



Solar Farm

Mallard Pass Solar Farm

Consideration of Additional Cumulative Long List Developments (Clean)

Deadline 9 - November 2023

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Consideration of Additional Cumulative Long List Developments

At Deadline 6 the cumulative long list was updated based on a search for any new developments since submission of the DCO [REP6-004a]. The search identified eight developments meeting the long list criteria. Since Deadline 8, Lincolnshire County Council (LCC) have also asked the Applicant to consider an additional project. Table 1 outlines the consolidated list of additional developments included on the long list.

Table 1: Additions to Cumulative Long List

| No. | Project / Planning Reference | Description of other existing and/or approved development | Distance to Site | Status of Project | Tier/Confidence of Data | Relevant Authority |
|------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|-------------------------|--------------------|
| Planning Applications within 10km (updated at Deadline 6) | | | | | | |
| 71 | 2023/0133/SCO | EIA Scoping request in relation to proposed north western and southern extensions to Grange Top Quarry (the Site), Ketton Works, Ketco Avenue, Ketton, Stamford, Rutland. Castle Cement Ltd Ketton Works Ketco Avenue Ketton Rutland PE9 3SX | 8.5km south-west | Awaiting Decision | Tier C Low | Rutland CC |
| 72 | 2022/0227/MAO | Outline application for residential development (up to 650 dwellings) a local centre (up to 3000m ² of gross floor space for uses within Class E (a-g) and F.2 (a) and F.2 (b)), open space including a country park, access, drainage and landscaping. Land At Quarry Farm Old Great North Road Little Casterton Rutland | 3.5km south-west | Awaiting decision | Tier C Medium | Rutland CC |
| 73 | 2022/1476/FUL | Residential development of 47 dwellinghouses Land North Of College Close Great Casterton Rutland | 4.8km South west | Awaiting decision | Tier C Medium | Rutland CC |
| Solar NSIPs (beyond 10km) (updated at Deadline 6) | | | | | | |
| 74 | Beacon Fen Energy Park | A 600MW solar photovoltaic farm incorporating up to 600MVA Battery Energy Storage System (BESS) 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. | 41km northeast | Pre-application | Tier D Medium High | PINS |

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|-----|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|-------------------------|--------------------|
| 75 | Temple Oaks Renewable Energy Park | 250MW Solar Farm, accompanied by 400MWh Battery Energy Storage System | 20km north | Pre-application | Tier D Medium High | PINS |
| 76 | Tillbridge Solar Park | 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. | 81km North | Pre-application | Tier D Medium | PINS |
| 77 | Fosse Green Energy Park | The Scheme comprises the installation of solar photovoltaic (PV) panels, associated electrical equipment, cabling and on-site energy storage facilities together with grid connection infrastructure. At this early stage, the connection to the national grid is being explored. The generating capacity of the FGE Scheme will exceed 50MW and its capacity is anticipated to be approximately 320MW. | 56km north | Pre-application | Tier D Medium | PINS |
| 78 | Springwell Solar Farm | Springwell Solar Farm is a proposed new solar farm with battery storage and supporting grid connection infrastructure in North Kesteven, Lincs. | 46km North | Pre-application | Tier D Medium | PINS |
| 79 | One Earth Solar Farm | One Earth is a proposed new solar farm with associated Battery Storage located at the border of Nottinghamshire and Lincolnshire. The project would connect into the existing National Grid substation at High Marnham also in Nottinghamshire. | 58km North | Pre-application | Tier D Medium | PINS |

Cumulative development 73

Cumulative development 73 does not meet the shortlisting criterion of constituting EIA development, and as such has no potential for likely significant effects either alone or in combination with the Proposed Development.

Cumulative developments 71 and 72

In relation to cumulative developments 71 and 72, if there was an overlap in construction phases with the Proposed Development, they would contribute to the already reported cumulative Moderate beneficial effects on construction jobs.

These schemes are located within the same waterbody catchment as the Proposed Development. However, provided that standard and good practice mitigation is implemented through their respective Construction Environmental Management Plans (CEMPs), as per the conditions of the relevant planning permissions, there would not be any potential for significant cumulative effects on water resources during construction.

Furthermore, these schemes are supported by appropriate flood risk assessments and drainage strategies in line with relevant guidance and best practice. The Proposed Development has similarly been designed to ensure no adverse effects on water quality or increase in flood risk during operation.

During both the construction and operational phases of the Proposed Development and cumulative developments 71 and 72, the cumulative effects on the local highway network, accidents and safety, severance, driver delay, pedestrian delay and amenity and hazardous loads will be negligible. Therefore, there are not expected to be any significant cumulative effects with cumulative developments 71 and 72 in relation to Transport and Access as a result of the construction or operation of the Proposed Development.

Cumulative developments 74 to 79

In relation to cumulative developments 74-79 it is considered that they are sufficiently distanced from the Order limits, and there is a lack of impact-pathways to receptors affected by the Proposed Development, such that there is no potential for any cumulative effects with the exception of agricultural land.

Cumulative effects on agricultural land with developments 74-76 and 78 were considered at Deadline 3 in Appendix I to the Applicant Response to Interested Parties Deadline 2 Submissions [REP3-031]. The Appendix demonstrates that the Proposed Development in combination with these schemes would not have any significant cumulative effects on best and most versatile agricultural land.

Currently there is no project information publicly available on the amount of BMV within the proposed Order Limits for projects 77 and 79. However, it is considered that these proposals will be similar to Mallard Pass in terms of their direct effect to BMV soils, i.e. they will not be lost as BMV soils, but will not be used for agricultural purposes for the lifetime of the development. Although the inclusion of any BMV land for those projects will add to the total cumulative amount of BMV land within Lincolnshire affected by solar, the precedent of projects to date is that any one project takes up less than 0.1% of that total (given that the total all of the publicly available ones to date, including Mallard Pass, is 0.5%).

In relation to socio-economics, cumulative developments 74-79 would add to the moderate beneficial cumulative effect associated with construction employment, linked supply chain benefits and contribution to Gross Value Added (GVA) assessed Chapter 16: Interaction of Effects and Summary of Cumulative Effects [APP-046]. It is considered that the cumulative effect would remain moderate beneficial and significant taking these cumulative developments into account.

As such, the cumulative assessment presented in Chapter 16: Interaction of Effects and Summary of Cumulative Effects [APP-046] is still valid and does not require an update.

