Proposed Solar PV Development

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Environmental Statement
Appendix 13.1 In-combination Effects Table

Planning Act 2008

APFP Regulation 5(2)(a)

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

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Table of Contents

Table of Tables

1 Identification of 'other development' for CEA

1.1 Introduction

1.1.1 This appendix provides a matrix to summarise the in-combination effects from the Proposed Development, as set out in ES Chapter 5 to 12 (Document Reference 6.2.5 to 6.2.12).

Table 1-1 In-combination Effects Table

Sensitive Receptors	Biodiversity	Landscape and Visual	Cultural Heritage and Archaeology	Land Use and Socioeconomics	Hydrology and Flood Risk	Noise and Vibration	Traffic and Transport	Combined effects and mitigation proposed
Human receptors in proximity to the works - Construction	No interactions or combined effects identified	Changes to views for residential and recreational receptors.	No interactions or combined effects identified	Employment creation and supply chain opportunities. Access to community and recreational facilities. Diversion and/or closure of PRoW.	Risk of increased pollution to watercourses, groundwater and public water supply; and increased flood risk and altered flow pathways.	Traffic noise and vibration and activities on site.	Impacts upon severance and amenity to pedestrians, horse riders and cyclists; car driver and passenger driver delay; and car driver and passenger accidents and safety.	No significant effect interactions expected, each individual effect is unlikely to work in-combination to generate a significant effect. Impacts upon pollution, flood risk and noise and vibration are controlled via a CEMP. Further a CTMP will be in place to manage traffic and transport impacts, including noise from these and BPM will be used.
Human receptors in proximity to the works - Operation	No interactions or combined effects identified	Changes to views for residential and recreational receptors.	No interactions or combined effects identified	Diversion and/or closure of PRoW.	Risk of increased pollution to watercourses, groundwater and public water supply; and increased flood risk and altered flow pathways.	Traffic noise and vibration and activities on site.	Impacts upon severance and amenity to pedestrians, horse riders and cyclists; car driver and passenger driver delay; and car driver and passenger accidents and safety.	No significant effect interactions expected, each individual effect is unlikely to work in-combination to generate a significant effect. Impacts upon pollution, flood risk and noise and vibration are controlled via a LEMP. Further controls will be in place to manage traffic and transport impacts, including noise from these and BPM will be used.
Human receptors in proximity to the works - Decommissioning	No interactions or combined effects identified	Changes to views for residential and recreational receptors.	No interactions or combined effects identified	Employment creation and supply chain opportunities. Access to community and recreational facilities. Diversion and/or closure of PRoW.	Risk of increased pollution to watercourses, groundwater and public water supply; and increased flood risk and altered flow pathways.	Traffic noise and vibration and activities on site.	Impacts upon severance and amenity to pedestrians, horse riders and cyclists; car driver and passenger driver delay; and car driver and passenger accidents and safety.	No significant effect interactions expected, each individual effect is unlikely to work in-combination to generate a significant effect. Impacts upon pollution, flood risk and noise and vibration are controlled via a DEMP. Further controls will be in place to manage traffic and transport impacts, including noise from these and BPM will be used.
Ecological Designated Sites and county level designations and	Indirect impacts to designated sites through potential noise, water	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified – assessed	No interactions or combined effects identified	None – addressed intrinsically in the biodiversity assessment.

Sensitive Receptors	Biodiversity	Landscape and Visual	Cultural Heritage and Archaeology	Land Use and Socioeconomics	Hydrology and Flood Risk	Noise and Vibration	Traffic and Transport	Combined effects and mitigation proposed
priority habitats - Construction	quality, lighting or visual impacts – already assessed intrinsically.					inherently in biodiversity.		
Ecological Designated Sites and county level designations and priority habitats - Operation	Indirect impacts to designated sites through potential noise, water quality, lighting or visual impacts – already assessed intrinsically.	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified – assessed inherently in biodiversity.	No interactions or combined effects identified	None – addressed intrinsically in the biodiversity assessment.
Ecological Designated Sites and county level designations and priority habitats - Decommissioning	Indirect impacts to designated sites through potential noise, water quality, lighting or visual impacts – already assessed intrinsically.	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified – assessed inherently in biodiversity.	No interactions or combined effects identified	None – addressed intrinsically in the biodiversity assessment.
Protected Species - Construction	Direct priority habitat loss and protected species disturbance as a result of construction activity.	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified	Potential pollution risk to watercourses from construction activities.	No interactions or combined effects identified – assessed inherently in biodiversity.	No interactions or combined effects identified	Individual effects are unlikely to work in-combination to generate a significant effect. Risks to pollution are adequately managed via a CEMP and Water Drainage Strategy.
Protected Species - Operation	Increase in foraging habitat for bat species due to habitat and enhancement measures.	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified	Potential pollution risk to watercourses from operation activities.	No interactions or combined effects identified – assessed inherently in biodiversity.	No interactions or combined effects identified	Individual effects are unlikely to work in-combination to generate a significant effect. Risks to pollution are adequately managed via a Water Drainage Strategy.
Protected Species - Decommissioning	Protected species disturbance as a result of decommissioning activity.	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified	Potential pollution risk to watercourses from decommissioning activities.	No interactions or combined effects identified – assessed inherently in biodiversity.	No interactions or combined effects identified	Individual effects are unlikely to work in-combination to generate a significant effect. Risks to pollution are adequately managed via a DEMP and Water Drainage Strategy.
Designated Heritage features - Construction	No interactions or combined effects identified	Changes to views, although no specific visual assessment made relating to heritage features which is captured in the cultural heritage assessment – as such no interactions or combined effects identified – assessed inherently when	Impact upon known / unknown archaeological remains.	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified – assessed inherently when considering setting impacts.	No interactions or combined effects identified	None – addressed intrinsically in the heritage assessment.

Sensitive Receptors	Biodiversity	Landscape and Visual	Cultural Heritage and Archaeology	Land Use and Socioeconomics	Hydrology and Flood Risk	Noise and Vibration	Traffic and Transport	Combined effects and mitigation proposed
		considering setting impacts.						
Designated Heritage Features - Operation	No interactions or combined effects identified	Changes to views, although no specific visual assessment made relating to heritage features which is captured in the cultural heritage assessment – as such no interactions or combined effects identified – assessed inherently when considering setting impacts.	Setting impacts upon designated heritage assets in Bishopton village; Bishopton Conservation Area; and Scheduled monument motte and bailey castle 400m south east of Bishopton.	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified – assessed inherently when considering setting impacts.	No interactions or combined effects identified	None – addressed intrinsically in the heritage assessment.
Designated Heritage Features - Decommissioning	No interactions or combined effects identified	Changes to views, although no specific visual assessment made relating to heritage features which is captured in the cultural heritage assessment – as such no interactions or combined effects identified – assessed inherently when considering setting impacts.	No impacts during decommissioning identified.	No interactions or combined effects identified	No interactions or combined effects identified	No interactions or combined effects identified – assessed inherently when considering setting impacts.	No interactions or combined effects identified	None – addressed intrinsically in the heritage assessment.