

Appendix 8-5: Summary of 'Scoped out' Effects/Receptors

Calderdale Energy Park

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2009 – Reg 5 (2) (a).

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Appendix 8-5: Summary of Scoped out Effects/Receptors

Table A8-5-1: Summary of 'Scoped Out' Effects/Receptors

Ecological Feature	Importance – legislation and policy	Importance – project level	Environmental change	Justification for scoping out
South Pennine Moors SAC	International	International	Construction activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	The SAC designation does not include any species or species groups which are susceptible to construction disturbance.
			Changes in levels of recreational pressure resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	The SAC designation does not include any species or species groups which are susceptible to recreational disturbance during construction.
			Collision with turbine blades resulting in injury or death	The SAC designation does not include any species or species groups which are susceptible to collision.
			Permanent changes to the landscape that result in species displacement of protected or notable species	The SAC designation does not include any species or species groups which are susceptible to displacement.
			Disturbance of fauna resulting in displacement or a	The SAC designation does not include any species or species groups which

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			reduction in productivity/survival rates	are susceptible to recreational disturbance during operation.
South Pennine Moors SSSI	National	National	As per South Pennine Moors SAC	Impacts on ornithological features of the SSSI are assessed in Chapter 9: Ornithology . The SSSI designation does not include other species or species groups which are susceptible to disturbance, displacement or collision.
All Local Non-Statutory Sites (excluding Nan Scar Clough LWS and Corn Close and Bent Moor DWS)	County	County	Direct land take and land use change resulting in both permanent and temporary degradation and/ or loss of habitat	With the exception of the non-statutory sites identified in Section 8.8, the Proposed Development does not overlap with any other LWS, DWS or BHS and therefore direct habitat loss would not occur.
All Local Non-Statutory Sites	County	County	Changes in surface and sub-surface hydrology resulting in degradation and/ or loss of habitat	With the exception of Nan Scar Clough LWS and Corn Close and Bent Moor DWS all other sites are >30m from the Proposed Development and therefore outside of the ZoI of this likely significant effect. Construction within or adjacent to Nan Scar Clough LWS and Corn Close and

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				Bent Moor DWS is limited to access route construction and therefore, the environmental measures relating to hydrology will avoid impacts on habitats.
			Dust deposition resulting in degradation and/ or loss of habitat;	With the exception of Nan Scar Clough LWS and Corn Close and Bent Moor DWS all other sites are >50m from the Proposed Development and therefore outside of the ZoI of this likely significant effect. Construction within or adjacent to Nan Scar Clough LWS and Corn Close and Bent Moor DWS is limited to access route construction and therefore, the environmental measures relating to dust deposition will avoid impacts on habitats.
			Construction activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates.	Descriptions and designations do not include species or species groups susceptible to disturbance.

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			Changes in levels of recreational pressure resulting in degradation and/ or loss of habitat	Descriptions and designations do not include species or species groups susceptible to disturbance.
All Local Non-Statutory Sites (excluding Hardcastle Crags LWS, Sun Hill Clough, Oxenthorpe LWS, New High Laithe Farm LWS)	County	County	The introduction of toxic pollutants into the environment resulting in changes, loss or damage to terrestrial or freshwater environments and the species they support.	With the exception of the non-statutory sites identified in Section 8.8, no other sites are scoped in. All other sites are either >1km from the Proposed Development or are not connected via streams or other surface water features.
All Local Non-Statutory Sites (excluding Bent Moor DWS, Wycoller Pastures BHS, Nan Scar Clough LWS)	County	County	Changes in air quality as a result of vehicle emissions resulting in degradation and/ or loss of habitat	With the exception of the non-statutory sites identified in Section 8.8, no other sites are scoped in. All other sites are >200m from the Proposed Development

Ecological Feature	Importance – legislation and policy	Importance – project level	Environmental change	Justification for scoping out
All Local Non-Statutory Sites	County	County	All operational and maintenance effects	Designations do not include species or species groups which are susceptible to disturbance, displacement or collision.
All Local Non-Statutory Sites (excluding sites detailed in Section 8.10)	County	County	All decommissioning effects	With the exception of the non-statutory sites identified in Section 8.8, no other sites are scoped in. All other sites are outside of identified Zols or do not include species or species groups which are susceptible to disturbance.
Priority Habitats – Rivers	National	National	Construction activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	As a habitat, it is not susceptible to disturbance.
Priority Habitats – Rivers			Changes in levels of recreational pressure resulting in degradation and/ or loss of habitat	Whilst watercourses are widespread, changes to PRoW routing during construction would be designed to avoid watercourse crossings where practicable or would utilise existing features.
Priority Habitats – Rivers			Changes in air quality as a result of vehicle emissions resulting in degradation and/ or loss of habitat.	The majority of working areas are >50m from watercourse crossings. The nature of the watercourses (high energy,

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				headwaters) makes them less susceptible to air quality impacts.
Priority Habitats – Rivers			Changes in levels of recreational pressure resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	As a habitat, it is not susceptible to disturbance.
Priority Habitats – Rivers			All operational and maintenance effects	Rivers are not susceptible to disturbance, displacement or collision (the main operational and maintenance impacts identified). Effects of electromagnetic fields will be avoided through design.
Priority Habitats – Rivers			All decommissioning effects (excluding the introduction of toxic pollutants)	It is assumed that construction impacts at watercourses would be limited with culvert structures and routes remaining in situ.
Ancient Woodland and Veteran Trees	National	Local	All construction, operational and maintenance and decommissioning effects	No ancient woodland has been identified within the Proposed Development. One veteran tree is present within the Turbine Area. It is not within proposed infrastructure footprints

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				will not be impacted by the Proposed Development.
Bats	International	Regional	Construction activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates.	<p>No confirmed roosts or roost features have been identified within the Turbine Area. Construction lighting is not currently proposed as part of the Proposed Development. Should lighting be required, this would be subject to a sensitive lighting strategy. Further survey of the Access Routes and the Bradford West Cable Corridor will consider potential for bats.</p> <p>Where suitable habitat is identified, measures to avoid impacts will be adopted (i.e. micro-siting, timing of construction)</p>
Bats			Changes in levels of recreational pressure resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	<p>No confirmed roosts or roost features have been identified within the Turbine Area.</p> <p>Changes to recreational activity within the Access Routes and the Bradford West Cable Corridor will be limited during construction.</p>

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Bats			Changes in levels of recreational pressure resulting in degradation and/ or loss of habitat	Increased recreational pressure during operation will not result in substantial loss of additional habitat. Foraging habitat for bats is widespread.
Bats			Disturbance of fauna resulting in displacement or a reduction in productivity/survival rates.	No confirmed roosts or roost features have been identified within the Turbine Area. All operational and maintenance activities would be managed following the OEMP.
Bats			Effects of electro-magnetic fields (EMF) and heat produced by transmission cables beneath watercourses.	The potential impacts of EMF would be very localised to locations where cables are routed underneath watercourses. This would not result in significant loss of bat foraging habitat. Foraging habitat for bats is widespread.
Bats			Decommissioning activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	No confirmed roosts or roost features have been identified within the Turbine Area. All decommissioning activities would be managed following the proposed DEMP.

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				Pre-commencement surveys would be completed of suitable habitat features. If roosts are identified, measures to avoid impacts will be adopted (i.e. micro-siting, timing of activities)
Amphibians	International	County	Construction activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates.	Construction activity is all >200m from known GCN ponds. Appropriate measures within the CEMP will ensure avoidance of disturbance.
Amphibians			Changes in levels of recreational pressure resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	Ponds are not widely distributed. Changes to PRoWs will be designed to avoid conflict with ponds where practicable. Changes to recreational activity within the Access Routes and the Bradford West Cable Corridor will be limited during construction.
Amphibians			All operational and maintenance effects	Impacts of collision are not applicable. Ponds are not widely distributed and are unlikely to come into conflict with recreational users being located >50m from proposed tracks. All other operational and maintenance activities would be managed following the proposed OEMP.

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Amphibians			Decommissioning activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	All decommissioning activities would be managed following the DEMP. Pre-commencement surveys would be completed of suitable habitat features. If ponds are identified, measures to avoid impacts will be adopted (i.e. micro-siting, timing of activities)
Reptiles	National	Local	Construction activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates.	All construction will be completed following a CEMP which will include specific measures to account for potential impacts on reptiles
Reptiles			Changes in levels of recreational pressure resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	Suitable habitat for reptiles is widespread throughout the Turbine Area with reptiles occurring at a low density. The risk of disturbance is therefore negligible. Changes to recreational activity within the Access Routes and the Bradford West Cable Corridor will be limited during construction.
Reptiles			All operational and maintenance Effects	Impacts of collision are not applicable. All other operational and maintenance activities would be managed following the proposed OEMP.

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Reptiles			Decommissioning activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	All decommissioning activities would be managed following the proposed DEMP. Pre-commencement surveys would be completed of suitable habitat features. If suitable reptile habitat is identified, measures to avoid impacts will be adopted (i.e. micro-siting, timing of activities)
Otter and Water Vole	International/National	County/Local	Changes in levels of recreational pressure resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	Suitable habitat (watercourses and ponds) for otter and water vole is widespread. If present both occur at low densities there would be very low risk of interaction with recreational users. Changes to PRow routing during construction would be designed to avoid watercourse crossings where practicable or would utilise existing features. Changes to recreational activity within the Access Routes and the Bradford West Cable Corridor will be limited during construction.
Otter and Water Vole			All operational and maintenance effects	Impacts of collision are not applicable. All other operational and maintenance activities would be managed following the OEMP.

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Otter and Water Vole			Decommissioning activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	No confirmed holts or burrows have been identified within the Turbine Area. All decommissioning activities would be managed following the DEMP. Pre-commencement surveys would be completed of suitable habitat features. If holts or burrows are identified, measures to avoid impacts will be adopted (i.e. micrositing, timing of activities)
CHEGD Fungi Assemblage	International	International	Construction activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates.	Fungi are not susceptible to visual or aural disturbance.
CHEGD Fungi Assemblage			Changes in levels of recreational pressure resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	Fungi are not susceptible to visual or aural disturbance.
CHEGD Fungi Assemblage			All operational and maintenance Effects	Impacts of collision are not applicable. All other operational and maintenance activities would be managed following the OEMP.

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CHEGD Fungi Assemblage			Decommissioning activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	All decommissioning activities would be managed following the DEMP. Pre-commencement surveys would be completed of suitable habitat features. If areas of fungi are identified, measures to avoid impacts will be adopted (i.e. micro-siting, timing of activities)
Invertebrates	National	County	Construction activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates.	Invertebrates are not susceptible to visual or aural disturbance.
Invertebrates			Changes in levels of recreational pressure resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	Invertebrates are not susceptible to visual or aural disturbance.
Invertebrates			All operational and maintenance Effects	Impacts of collision are not applicable. All other operational and maintenance activities would be managed following the OEMP.
Invertebrates			Decommissioning activity resulting in disturbance of	All decommissioning activities would be managed following the DEMP.

Ecological Feature	Importance – legislation and policy	Importance – project level	Environmental change	Justification for scoping out
			fauna resulting in displacement or a reduction in productivity/survival rates	Invertebrates are not susceptible to visual or aural disturbance.
Fish	International	County	Construction activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates.	Fish are not susceptible to visual or aural disturbance.
Fish			Changes in levels of recreational pressure resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	Fish are not susceptible to visual or aural disturbance.
Fish			All operational and maintenance effects (Excluding EMF)	All operational and maintenance activities would be managed following the OEMP.
Fish			Decommissioning activity resulting in disturbance of fauna resulting in displacement or a reduction in productivity/survival rates	Fish are not susceptible to visual or aural disturbance.

