

East Meath - North Dublin Grid Upgrade Environmental Impact Assessment Report (EIAR): Volume 2

Chapter 22 – Summary of Significant Residual Impacts

EirGrid

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22. Summary of Significant Residual Impacts

This Chapter summarises the likely potential significant residual impacts, which may result from the Construction and Operational Phases of the East Meath - North Dublin Grid Upgrade (hereafter referred to as the Proposed Development). Please refer to Chapter 5 to Chapter 20 in Volume 2 of this Environmental Impact Assessment Report (EIAR) for full assessments and residual impacts.

Residual impacts are the final or intended impacts which occur after the proposed mitigation measures have been implemented. They refer to the degree or change that will occur after the proposed mitigation measures have taken effect. Significant residual impacts are those remaining impacts assessed as Significant or higher, unless otherwise stated in Table 22.1. All other residual impacts are detailed within Chapter 5 to Chapter 20 in Volume 2 of this EIAR.

Table 22.1 presents the residual impact significance, following the implementation of mitigation measures that are set out in Chapter 5 to Chapter 20 in Volume 2 of this EIAR, and summarised in Chapter 21 (Summary of Mitigation and Monitoring Measures).

The terminology used in this Chapter to describe the residual impact significance reflects the assessment terminology and guidelines used within Chapter 5 to Chapter 20 in Volume 2 of this EIAR. While the terminology in the Environmental Protection Agency (EPA) Guidelines on the Information to be Contained in Environmental Impact Assessment Reports (EPA 2022) is predominantly used, some chapters use discipline specific guidelines, and this terminology is presented within this Chapter to maintain consistency with the assessments undertaken in Chapter 5 to Chapter 20.

Table 22.1: Summary of Significant Residual Impacts from the Construction and Operational Phases of the Proposed Development

EIAR Chapter	Residual Impact Description	Impact Significance (Pre-Mitigation)	Residual Impact Significance (Post-Mitigation)
Chapter 5 (Population)	Construction and Operational Phases		
	No significant residual impacts are predicted as a result of the Construction Phase or Operational Phase of the Proposed Development.		
Chapter 6 (Human Health)	Construction and Operational Phases		
	No significant residual impacts are predicted as a result of the Construction Phase or Operational Phase of the Proposed Development.		
Chapter 7 (Air Quality)	Construction and Operational Phases		
	No significant residual impacts are predicted as a result of the Construction Phase or Operational Phase of the Proposed Development.		
Chapter 8 (Climate)	Construction and Operational Phases		
	No significant residual impacts are predicted as a result of the Construction Phase or Operational Phase of the Proposed Development.		
Chapter 9 (Noise and Vibration)	Construction Phase		
	Noise impacts as a result of traffic on proposed diversion routes 1.2, 1.14, 1.16 and 1.24.	Adverse, Significant and Temporary.	Adverse, Significant and Temporary.
	Noise impacts as a result of traffic on proposed diversion routes 1.6, 1.18, 1.20, 1.21 and 1.23.	Adverse, Moderate to Significant and Temporary	Adverse, Moderate to Significant and Temporary
	Operational Phase		
	No significant residual impacts are predicted as a result of the Operational Phase of the Proposed Development.		
Chapter 10 (Biodiversity)	Construction Phase		
	Habitat loss (temporary and permanent) and habitat degradation – surface water quality on Drainage ditches (FW4) Fossitt habitat type.	Local Level.	Local Level.
	Habitat loss (temporary and permanent) and on Dry calcareous grassland (GS1) Fossitt habitat type.	Local Level.	Local Level.
	Habitat loss (temporary and permanent) and fragmentation on Dry meadows and grassy verges (GS2) Fossitt habitat type.	Local Level.	Local Level.
	Habitat loss (temporary and permanent) fragmentation and degradation on Wet grassland (GS4) Fossitt habitat type.	Local Level.	Local Level.
	Habitat loss (temporary and permanent) and fragmentation on (Mixed) broadleaved woodland (WD1) Fossitt habitat type.	Local Level.	Local Level.
	Habitat loss (temporary and permanent) and fragmentation on Hedgerows (WL1) species rich Fossitt habitat type.	County Level.	Local to County Level.
	Habitat loss (temporary and permanent) and fragmentation on Hedgerows (WL1) species poor Fossitt habitat type.	County Level.	Local Level.

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EIAR Chapter	Residual Impact Description	Impact Significance (Pre-Mitigation)	Residual Impact Significance (Post-Mitigation)
	Habitat loss (temporary and permanent) and fragmentation on Treeline (WL2) Fossitt habitat type.	County Level.	Local to County Level.
	Habitat loss (temporary and permanent) and fragmentation on Scrub (WS1) Fossitt habitat type.	Local Level.	Local Level.
	Habitat loss (temporary and permanent) and fragmentation on Immature woodland (WS2) Fossitt habitat type.	Local Level.	Local Level.
	Operational Phase		
	No significant residual impacts are predicted as a result of the Operational Phase of the Proposed Development.		
Chapter 11 (Soils, Geology and Hydrogeology)	Construction and Operational Phases		
	No significant residual impacts are predicted as a result of the Construction Phase or Operational Phase of the Proposed Development.		
Chapter 12 (Hydrology)	Construction and Operational Phases		
	No significant residual impacts are predicted as a result of the Construction Phase or Operational Phase of the Proposed Development.		
Chapter 13 (Archaeology, Architectural Heritage and Cultural Heritage)	Construction Phase		
	Removal of AY_47 (a Recorded Monument) required during the Construction Phase.	Negative, Moderate and Permanent.	Negative, Moderate and Permanent.
	Operational Phase		
	No significant residual impacts are predicted as a result of the Operational Phase of the Proposed Development.		
Chapter 14 (Traffic and Transport)	Construction Phase		
	Delay to vehicles users caused by road closures requiring the use of proposed diversion routes 1.02, 1.07, 1.09 and 1.12.	Significant and Temporary.	Significant and Temporary.
	Operational Phase		
	No significant residual impacts are predicted as a result of the Operational Phase of the Proposed Development.		
Chapter 15 (Agronomy and Equine)	Construction and Operational Phases		
	No significant residual impacts are predicted as a result of the Construction Phase or Operational Phase of the Proposed Development.		
Chapter 16 (Waste)	Construction and Operational Phases		
	No significant residual impacts are predicted as a result of the Construction Phase or Operational Phase of the Proposed Development.		
Chapter 17 (Material Assets)	Construction Phase		
	No significant residual impacts are predicted as a result of the Construction Phase of the Proposed Development.		
	Operational Phase		
	Increased electricity infrastructure in the region.	Positive, Significant and Long-Term.	Positive, Significant and Long-Term.

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EIAR Chapter	Residual Impact Description	Impact Significance (Pre-Mitigation)	Residual Impact Significance (Post-Mitigation)
Chapter 18 (Landscape and Visual)	Construction and Operational Phases		
	No significant residual impacts are predicted as a result of the Construction Phase or Operational Phase of the Proposed Development.		
Chapter 19 (Risk of Major Accidents and / or Disasters)	Construction and Operational Phases		
	No significant residual impacts are predicted as a result of the Construction Phase or Operational Phase of the Proposed Development.		
Chapter 20 (Cumulative Impacts and Environmental Interactions)	Construction Phase		
	Cumulative biodiversity impact as a result of the removal of calcareous / natural grassland habitat at Belcamp Substation as a result of the Proposed Development and the CP1213 Belcamp 220kV Extension (Planning Ref No. F23A/0040).	Negative, Significant, and Long-Term	Negative, Significant, and Medium-Term
	Operational Phase		
	Cumulative archaeological, architectural and cultural heritage impact on DL_05 (Designed Landscape) due to the presence of the Montague Ventures Limited development (Planning Ref No. 309833 / FW21A/0003), the Glenveagh Homes Limited development (Planning Ref No. 312271), and the Glenveagh Homes Ltd development (Planning Ref No. FW21A/0042), and the permanent access tracks and Joint Bays for the Proposed Development, within the demesne.	Negative, Moderate and Permanent.	Negative, Moderate and Permanent.
	Cumulative land take agronomy impact on land parcel Ref No. 39 as a result of the Proposed Development and the Greater Dublin Drainage Project (Planning Ref No. 312131).	Negative, Profound and Permanent	Negative, Profound and Permanent
	Cumulative land take agronomy impact on land parcel Ref No. 40 as a result of the Proposed Development and the Greater Dublin Drainage Project (Planning Ref No. 312131) and the CP1213 Belcamp 220kV Extension (Planning Ref No. F23A/0040).	Negative, Significant and Permanent	Negative, Significant and Permanent
Cumulative material assets impact on the regional electricity network once the Proposed Development and each of the following developments are operational: CP0466 North South Interconnector EirGrid development (Planning Ref No. PCI0001), CP0966 Kildare Meath Upgrade EirGrid development (Planning Ref No. 316372), Mayne Stability Limited development (Planning Ref No. F21A/0681 / 3041/22), ESB Engineering & Major Projects development (Macetown / Corduff underground cable) (Planning Ref No. FW19A/0177), CP1213 Belcamp 220kV Extension (Planning Ref No. F23A/0040), ESB	Positive, Significant and Long-Term	Positive, Significant and Long-Term	

EIAR Chapter	Residual Impact Description	Impact Significance (Pre-Mitigation)	Residual Impact Significance (Post-Mitigation)
	development at Darndale (Planning Ref No. 4367/19), and CP1194 EirGrid Station Redevelopment (Planning Ref No. 221550) are operational.		

22.1 References

EPA (2022). Guidelines on the Information to be Contained in Environmental Impact Assessment Reports