codling wind park

Environmental Impact Assessment Report

Volume 5

Chapter 34 Summary of Residual Effects


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Abbreviations

Abbreviation	Term in Full
AAM	Alternative alignment for the purposes of modelling
ATC	Air Traffic Control
CCRA	Climate Change Risk Assessment
CDWMP	Construction and Demolition Waste Management Plan
CWP	Codling Wind Park
DCIHR	Dublin City Industrial Heritage Record
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
EMF	Electromagnetic field
EPA	Environmental Protection Agency
GHG	Greenhouse Gas
GHGA	Greenhouse Gas Assessment
INNS	Invasive non-native species
IRCG	Irish Coast Guard
LCA	Landscape Character Area
LoD	Limit of deviation
OECC	Offshore export cable corridor
OfTi	Offshore transmission infrastructure
OSS	Offshore substation structure
OTI	Onshore transmission infrastructure
OWF	Offshore wind farm
O&M	Operations and maintenance
PA	Preferred alignment
PTS	Permanent threshold shift
NM	Nautical mile
NSL	Noise Sensitive Location
RMP	Record of Monuments and Places
RPS	Record of Protected Structures
SAC	Special Area of Conservation
SAR	Search and rescue

SSC	Suspended sediment concentration
TCA	Townscape Character Area
TTS	Temporary threshold shift
UXO	Unexploded ordnance
VERS	Valued ecological receptor species
WFD	Water Framework Directive
WTG	Wind turbine generator
ZTV	Zone of Theoretical Visibility

Definitions

Glossary	Meaning
array site	The red line boundary area within which the wind turbine generators (WTGs), inter-array cables (IACs) and the Offshore Substation Structures (OSSs) are proposed.
Codling Wind Park (CWP) Project	The proposed development as a whole is referred to as the Codling Wind Park (CWP) Project, comprising of the offshore infrastructure, the onshore infrastructure and any associated temporary works.
Environmental Impact Assessment (EIA)	A systematic means of assessing the likely significant effects of a proposed project, undertaken in accordance with the EIA Directive and the relevant Irish legislation.
Environmental Impact Assessment Report (EIAR)	The report prepared by the Applicant to describe the findings of the EIA for the CWP Project.
generating station	Comprising the wind turbine generators (WTGs), inter-array cables (IACs) and the interconnector cables.
landfall	The point at which the offshore export cables are brought onshore and connected to the onshore export cables via the transition joint bays (TJB). For the CWP Project The landfall works include the installation of the offshore export cables within Dublin Bay out to approximately 4 km offshore, where water depths that are too shallow for conventional cable lay vessels to operate.
limit of deviation (LoD)	Locational flexibility of permanent and temporary infrastructure is described as a LoD from a specific point or alignment.
O&M phase	This is the period of time during which the CWP Project will be operated and maintained.
offshore export cable corridor (OECC)	The area between the array site and the landfall, within which the offshore export cables cable will be installed along with cable protection and other temporary works for construction.
offshore transmission infrastructure (OfTI)	The offshore transmission assets comprising the OSSs and offshore export cables. The EIAR considers both permanent and temporary works associated with the OfTI.
onshore transmission infrastructure (OTI)	The offshore transmission assets comprising the OSSs and offshore export cables. The EIAR considers both permanent and temporary works associated with the OfTI.
wind turbine generator	All the components of a wind turbine, including the tower, nacelle and rotor.

34 SUMMARY OF RESIDUAL EFFECTS

34.1 Introduction

1. This chapter summarises the potential residual effects, which may result from the construction, operation and maintenance (O&M) and decommissioning phases of the Codling Wind Park (CWP) Project.

2. Residual effects are the final, predicted effects which are likely to occur after the proposed mitigation measures have been implemented. They refer to the degree of change that will occur after the proposed mitigation measures have taken effect.

3. **Table 34-1** presents the residual effect significance, following the implementation of mitigation as set out in **Chapters 6 - 32** of the Environmental Impact Assessment Report (EIAR), and as summarised in **Chapter 33 Summary of Mitigation and Monitoring**. Please refer to **Chapters 6 - 32** of this EIAR for the full impact assessments.

4. The terminology used in this chapter to describe the residual significance of effects reflects the assessment terminology and guidelines used within **Chapters 6 - 32** of this EIAR. While the terminology in the Environmental Protection Agency's (EPA) Draft Guidelines on the Information to be Contained in Environmental Impact Assessment Reports (EPA 2017) is predominantly used, some chapters use discipline specific guidelines, and this terminology is presented within this summary chapter to maintain consistency with the assessments undertaken and presented in the EIAR chapters.

34.2 Representative scenario approach

5. Where the CWP Project planning application seeks design flexibility in the form of options (i.e. WTG layout options) or dimensional flexibility for infrastructure or installation methods, the impacts on the environment are assessed using a representative scenario approach.

6. To achieve this, and at the same time to produce application documents that are concise and readable, each relevant chapter of the EIAR identifies a representative scenario for each impact that forms the presentational basis of the assessment.

7. In addition, detailed consideration of the alternative scenario(s) is provided in an appendix to each relevant chapter, in order to demonstrate that the representative scenario for any given impact identifies, describes and assesses all of the likely significant effects on the environment. Where alternative scenarios could give rise to new effects or a materially different magnitude of effects, or will introduce a material change in the sensitivity of the receptor, these scenarios have been fully assessed and the results presented in the relevant EIAR chapter.

8. As noted above, this approach has been applied only where flexibility in project infrastructure design exists, either in terms of options or dimensional flexibility (i.e. a parameter range), or where flexibility for installation methods has been sought.

9. As is evident from **Chapter 4 Project Description**, the Applicant is seeking limited flexibility in relation to options and dimensional flexibility in relation to the generating station and offshore transmission infrastructure (OfTI) only, with some limited flexibility also being sought for installation methods associated with these main components (i.e. offshore cable installation techniques). Therefore, a representative scenario approach is applied only for EIA topics that consider the construction and operational impacts of the generating station and OfTI, using an appendix to the main EIAR chapter,

as noted above. For the onshore components of the CWP Project, no flexibility is sought by the Applicant in terms of options, dimensional flexibility or construction methods, and therefore a representative scenario approach or a standalone appendix to consider alternative scenarios is not required for EIAR chapters that consider only these components.

10. Overall, the most significant component of the CWP Project for which flexibility is sought is the WTG size, and therefore the number of WTGs that will be installed. Two WTG layout options are therefore proposed. This forms a key consideration in the EIA. Consequently, **Table 34-1** provides a summary of the WTG layout option assessed as the representative scenario for each relevant impact in the EIA. As noted above, the other option is considered in representative Scenario appendices to relevant EIAR chapters.

34.3 Summary

34.3.1 Construction phase

11. In summary, during the construction phase of the CWP Project, significant residual effects for the project alone are predicted in **Chapter 23 Landscape and Visual Impact Assessment** only. Landscape and visual impact assessment (LVIA) is the assessment of effects that might occur as a result of the onshore transmission infrastructure (OTI) on the landscape, and on people's views and visual amenity.

12. Whilst short term, reversible significant effects are predicted on two visual receptors from the CWP Project during construction, no significant landscape and visual effects are predicted during the operation of the project.

34.3.2 O&M phase

13. During the O&M phase, significant residual effects are predicted in **Chapter 15 Seascape, Landscape and Visual Impact Assessment** only (see Annex A of this summary chapter). The Seascape, Landscape and Visual Impact Assessment (SLVIA) describes and assesses the impacts of the CWP Project generating station (including the WTGs) and OfTI on seascape, landscape and townscape character, national designated landscapes, and visual receptors including main (named) settlements and key routes.

14. The coastal element of CWP Project's SLVIA study area includes a varied coastline of bays, headlands, points with rocky outcrops, arches, stacks and islands. The Dublin Hills and Wicklow Mountains form a backdrop to the coastal edge. Elevated ground, headlands and some straighter sections of the coast have expansive views out across a large-scale, simple seascape where the CWP array would form a relatively small component of the available views. Bays may offer more contained views and a greater focus on the more immediate coastal and defining landscape features whilst from other locations there are no seaward views.

15. Significant effects are predicted on SLVIA receptors from the CWP Project on its own and cumulatively with other developments on certain receptors. An effect that is assessed to be significant (and adverse) in landscape and visual terms does not necessarily mean that such an impact would be unacceptable or should necessarily be regarded as an "undue consequence" (GLVIA3 (Landscape Institute and IEMA, 2013) para 5.40). As such where significant effects have been identified, it is not necessarily the case that the effects are unacceptable in isolation or in aggregate.

16. Significant effects experienced by SLVIA receptors from the CWP Project would be directly from points opposite or close to the CWP Project's offshore infrastructure. The level of effects would diminish with

distance from the Proposed Development. The angle of view alongside the influence of elements and features that screen, or filter views such as vegetation, built form also have an influence on the nature of views and the significance of effects on visual receptors and the aesthetic and perceptual qualities of local landscape townscape and seascape character.

17. The professional judgment of the assessors of the SLVIA concluded that the CWP Project could be accommodated in SLVIA terms.

34.3.3 Decommissioning phase

18. Generally, decommissioning of the CWP Project is anticipated to be a reverse of the construction and installation process, with construction activities such as vessel movements offshore and vehicle movements onshore expected to the same or less than that described for the construction phase of the project.

19. Consequently, it is generally anticipated that effects resulting from decommissioning shall be of a significance equivalent to or lesser than those predicted for construction activities.

20. Overall, during the decommissioning phase of the CWP Project, no significant residual effects have been predicted.

Table 34-1 Summary of Residual Effects

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Chapter 6 Marine Geology, Sediments and Coastal Processes						
Construction						
Impact 1: Temporary disturbance of the seabed resulting from pre-installation methods and effects, cable and monopile installation, leading to increases in suspended sediment concentrations and associated deposition.	Wider seabed, its morphology and underlying geology, the prevailing hydrodynamic and wave regime and the sediment transport regime and coastal processes.	WTG Layout Option A	Negligible / Minor (adverse)	No additional mitigation required	Negligible / Minor (adverse)	N
Impact 2: Temporary disturbance of the seabed resulting from pre-sweeping / sandwave levelling activities, leading to increases in suspended sediment concentrations and associated deposition.	Wider seabed, its morphology and underlying geology, the prevailing hydrodynamic and wave regime and the sediment transport regime and coastal processes.	WTG Layout Option B	Negligible / Minor or Minor (adverse)	No additional mitigation required	Negligible / Minor or Minor (adverse)	N
Impact 3: Alteration to seabed morphology during seabed preparation.	Wider seabed, its morphology and underlying geology, the prevailing hydrodynamic and wave regime and the sediment transport regime.	WTG Layout Option B	Negligible / Minor or Minor (adverse)	No additional mitigation required	Negligible / Minor or Minor (adverse)	N
Impact 4: Localised alteration to the hydrodynamic, wave and sediment regimes and coastal processes.	Wider seabed, its morphology and underlying geology, the prevailing hydrodynamic and wave regime and the sediment transport regime and coastal processes.	WTG Layout Option A	Negligible / Minor (adverse)	No additional mitigation required	Negligible / Minor (adverse)	N
Operations and maintenance						
Impact 1: Localised alteration of hydrodynamic and wave conditions across the site and effects on the sediment transport regime and coastal processes.	Prevailing hydrodynamic, wave and sediment transport regimes, seabed morphology and coastal processes.	WTG Layout Option A	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 2: Scour around installed structures and associated sediment transportation and deposition, leading to changes in seabed composition, structure or morphology.	Wider seabed, its morphology and underlying geology.	WTG Layout Option A	Negligible / Minor (adverse)	No additional mitigation required	Negligible / Minor (adverse)	N
Impact 3: Operation and maintenance.	Wider seabed, its morphology and underlying geology.	No difference in assessment details between WTG layout options	Negligible / Minor (adverse)	No additional mitigation required	Negligible / Minor (adverse)	N
Decommissioning						
Impact 1: Temporary increases in suspended sediment concentration during removal of foundations and / or cables.	Wider seabed, its morphology and underlying geology.	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 2: Localised alteration of hydrodynamic and wave conditions across the site and effects on the sediment transport regime and coastal processes.	Hydrodynamic, wave and sediment regimes and wider seabed, its morphology and underlying geology and coastal processes.					N
Impact 3: Alteration to seabed morphology during decommissioning.	Wider seabed, its morphology and underlying geology.					N
Chapter 7 Marine Water Quality						
Construction						
Impact 1: Direct temporary disturbance resulting in temporary increases in SSC	Offshore waters (>1 NM)	WTG Layout Option A	Not Significant (adverse)	No additional mitigation required	Not Significant (adverse)	N
	WFD waterbodies (<1 NM)		Slight to Slight / Not Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 7.10.1** of **Chapter 7 Marine Water Quality.**	Slight to Slight / Not Significant (adverse)	N
Impact 2: Direct disturbance resulting in resuspension of contaminated sediments	Offshore waters (>1 NM)	WTG Layout Option A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	WFD waterbodies (<1 NM)		Not Significant (adverse)	No additional mitigation required	Not Significant (adverse)	N
Impact 3: Accidental pollution events	Offshore waters (>1 NM)	WTG Layout Option A	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	WFD waterbodies (<1 NM)		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
Operations and maintenance						
Impact 1: Direct temporary disturbance resulting in temporary increases in SSC	Offshore waters (>1 NM)	No difference in assessment details between WTG layout options	Not Significant (adverse)	No additional mitigation required	Not Significant (adverse)	N
	WFD waterbodies (< 1 NM)		Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
Impact 2: Direct disturbance resulting in resuspension of contaminated sediments	Offshore waters (> 1 NM)	No difference in assessment details between WTG layout options	Not Significant (adverse)	No additional mitigation required	Not Significant (adverse)	N
	WFD waterbodies (< 1 NM)		Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
Impact 3: Accidental pollution events	Offshore waters (> 1 NM)	No difference in assessment details between WTG layout options	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	WFD waterbodies (< 1 NM)		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
Decommissioning						
Impact 1: Direct temporary disturbance resulting in temporary increases in SSC	Offshore waters (> 1 NM)	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
	WFD waterbodies (< 1 NM)					N
Impact 2: Direct disturbance resulting in resuspension of contaminated sediments	Offshore waters (> 1 NM)					N
	WFD waterbodies (< 1 NM)					N
Impact 3: Accidental pollution events	Offshore waters (> 1 NM)					N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	WFD waterbodies (< 1 NM)					N
Chapter 8 Subtidal and Intertidal Ecology						
Construction						
Impact 1: Temporary habitat disturbance	Subtidal coarse sediment habitats	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal sand habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	Intertidal habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	River Liffey habitats		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 2: Temporary increase in suspended sediment concentration (SSC)	Subtidal coarse sediment habitats	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal sand habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	Subtidal mud habitats		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Subtidal rock habitats		Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
	Subtidal mixed habitats		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Intertidal habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	River Liffey habitats		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 3: Remobilisation of contaminated sediments	Subtidal coarse sediment habitats	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal sand habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal mud habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal rock habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	Subtidal mixed habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Intertidal habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	River Liffey habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
Impact 4: Introduction of INNS	Subtidal coarse sediment habitats	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal sand habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal mud habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Subtidal rock habitats		Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
	Subtidal mixed habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Intertidal habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	River Liffey habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
Impact 5: Accidental pollution events	Subtidal coarse sediment habitats	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal sand habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal mud habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal rock habitats		Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
	Subtidal mixed habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Intertidal habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	River Liffey habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal coarse sediment habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal sand habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
Operations and maintenance						
Impact 1: Long-term habitat loss	Subtidal coarse sediment habitats	WTG Layout Option A	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	Subtidal sand habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	River Liffey habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
Impact 2: Habitat creation (increase in hard substrate)	Subtidal coarse sediment habitats	WTG Layout Option A	Slight (positive)	No additional mitigation required	Slight (positive)	N
	Subtidal sand habitats		Slight (positive)	No additional mitigation required	Slight (positive)	N
	River Liffey habitats		Slight (positive)	No additional mitigation required	Slight (positive)	N
Impact 3: Temporary habitat disturbance	Subtidal coarse sediment habitats	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal sand habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	Intertidal habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	River Liffey habitats		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 4: Presence of EMF and / or Temperature changes resulting from presence of electrical infrastructure	Subtidal coarse sediment habitats	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal sand habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Intertidal habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
Impact 5: Introduction of INNS	Subtidal coarse sediment habitats	No difference in assessment details between WTG layout options	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal sand habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal mud habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal rock habitats		Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
	Subtidal mixed habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Intertidal habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	River Liffey habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
Impact 6: Accidental pollution events	Subtidal coarse sediment habitats	No difference in assessment details between WTG layout options	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal sand habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal mud habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Subtidal rock habitats		Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
	Subtidal mixed habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Intertidal habitats		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	River Liffey habitats		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
Decommissioning						
Impact 1: Temporary habitat disturbance	Subtidal coarse sediment habitats	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.** In relation to impact 4 specifically, the potential impact from decommissioning is considered to be equivalent to or lesser in nature than that of long-term habitat loss during operation and maintenance which have been assessed as **not significant.**				N
	Subtidal sand habitats					N
	Intertidal habitats					N
	River Liffey habitats					N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 2: Temporary increase in suspended sediment concentration (SSC)	Subtidal coarse sediment habitats					N
	Subtidal sand habitats					N
	Subtidal mud habitats					N
	Subtidal rock habitats					N
	Subtidal mixed habitats					N
	Intertidal habitats					N
	River Liffey habitats					N
Impact 3: Remobilisation of contaminated sediments	Subtidal coarse sediment habitats					N
	Subtidal sand habitats					N
	Subtidal mud habitats					N
	Subtidal rock habitats					N
	Subtidal mixed habitats					N
	Intertidal habitats					N
	River Liffey habitats					N
Impact 4: Long-term habitat loss	Subtidal coarse sediment habitats					N
	Subtidal sand habitats					N
	River Liffey habitats					N
Impact 5: Introduction of INNS	Subtidal coarse sediment habitats					N
	Subtidal sand habitats					N
	Subtidal mud habitats					N
	Subtidal rock habitats					N
	Subtidal mixed habitats					N
	Intertidal habitats					N
	River Liffey habitats					N
Impact 6: Accidental pollution events	Subtidal coarse sediment habitats					N
	Subtidal sand habitats					N
	Subtidal mud habitats					N
	Subtidal rock habitats					N
	Subtidal mixed habitats					N
	Intertidal habitats					N
	River Liffey habitats					N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Chapter 9 Fish, Shellfish and Turtle Ecology						
Construction						
Impact 1: Temporary seabed habitat disturbance	Mobile fish with overlapping spawning and nursery habitat	WTG Layout Option A	Imperceptible to Slight / Not significant (adverse)	No additional mitigation required	Imperceptible to Slight / Not significant (adverse)	N
	Mobile fish without overlapping spawning and nursery habitat		Imperceptible to Slight / Not significant (adverse)	No additional mitigation required	Imperceptible to Slight / Not significant (adverse)	N
	Shellfish		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
Impact 2: Noise and vibration	Group 1	WTG Layout Option A (offshore pile driving and general construction noise) No difference in assessment details between WTG layout options (Geophysical surveys/UXO clearance)	Not significant to Slight / Not significant (adverse)	No additional mitigation required	Not significant to Slight / Not significant (adverse)	N
	Group 2		Not significant to Slight / Not significant (adverse)	No additional mitigation required	Not significant to Slight / Not significant (adverse)	N
	Group 3		Not significant to Slight / Not significant (adverse)	No additional mitigation required	Not significant to Slight / Not significant (adverse)	N
	Group 4		Not significant to slight (adverse)	No additional mitigation required	Not significant to slight (adverse)	N
	Shellfish		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Turtles		Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
	All species (UXO)		Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	All species (Geophysical Surveys / General Construction Noise)		Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
	Migratory species (Barrier effects in the River Liffey)		Slight / Not significant to Very Significant / Profound (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 9.10.1** of **Chapter 9 Fish, Shellfish and Turtle Ecology**	Slight (adverse)	N
Impact 3: Temporary disturbance of the seabed leading to increases in SSC and associated deposition.	Mobile fish with overlapping spawning and nursery habitat	WTG Layout Option A	Not significant to Slight (adverse)	No additional mitigation required	Not significant to Slight (adverse)	N
	Mobile fish without overlapping spawning and nursery habitat		Imperceptible to Slight / Not significant (adverse)	No additional mitigation required	Imperceptible to Slight / Not significant (adverse)	N
	Shellfish		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 4: Collision with vessels	Turtle / basking shark	WTG Layout Option A	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
Impact 5: Accidental pollution events	All VERS species	WTG Layout Option A	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
Impact 6: Invasive Non-native species (INNS)	All VERS species	WTG Layout Option A	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
Operations and maintenance						
Impact 1: Long term habitat loss	Mobile fish with overlapping spawning and nursery habitat	WTG Layout Option A	Imperceptible to Slight / Not significant (adverse)	No additional mitigation required	Imperceptible to Slight / Not significant (adverse)	N
	Mobile fish without overlapping spawning and nursery habitat		Imperceptible to Slight / Not significant (adverse)	No additional mitigation required	Imperceptible to Slight / Not significant (adverse)	N
	Shellfish		Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
Impact 2: Electromagnetic Fields (EMF) from cables	Elasmobranchs and turtles	WTG Layout Option A	Imperceptible to Slight / Not significant (adverse)	No additional mitigation required	Imperceptible to Slight / Not significant (adverse)	N
	Other fish		Imperceptible to Slight / Not significant (adverse)	No additional mitigation required	Imperceptible to Slight / Not significant (adverse)	N
	Shellfish		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
Impact 3: Operational noise	All receptors	WTG Layout Option A	Slight / Not significant (adverse)	No additional mitigation required	Slight / Not significant (adverse)	N
Impact 4: Temporary disturbance of the seabed including associated increases in SSC and deposition	Mobile fish with overlapping spawning and nursery habitat	WTG Layout Option A	Not significant to slight (adverse)	No additional mitigation required	Not significant to slight (adverse)	N
	Mobile fish without overlapping spawning and nursery habitat		Imperceptible to Slight / Not significant (adverse)	No additional mitigation required	Imperceptible to Slight / Not significant (adverse)	N
	Shellfish		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
Impact 5: Collision with vessels	Turtle / basking shark	No difference in assessment details between WTG layout options	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
Impact 6: Accidental pollution events	All VERS species	No difference in assessment details between WTG layout options	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
Impact 7: Invasive Non-Native Species (INNS)	All VERS species	No difference in assessment details between WTG layout options	Slight (adverse)	No additional mitigation required	Slight (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Decommissioning						
Impact 1: Long- term habitat loss	All VERS species	The corresponding potential impact resulting from decommissioning is considered to be equivalent to or lesser in nature than that of long-term habitat loss during operation and maintenance which has been assessed as **not significant.**				N
Impact 2: Noise and vibration	All VERS species	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
Impact 3: Temporary disturbance of the seabed including associated increases in SSC and deposition.	All VERS species					N
Impact 4: Collision with vessels	Turtle / basking shark					N
Impact 5: Accidental pollution events	All VERS species					N
Impact 6: Invasive Non-Native Species (INNS)	All VERS species					N
Chapter 10 Ornithology						
Construction						
Impact 1: Direct effects on habitat (Array site and OECC)	All seabird species	WTG Layout Option B (Array site) N/A (OECC)	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 1: Direct effects on habitat (Intertidal OECC landfall)	Oystercatcher	N/A	Not significant (adverse)	No specific additional mitigation is required, but seasonal and temporal restrictions to address disturbance and displacement impacts also alter receptor sensitivity and impact magnitude in relation to direct effects on habitat as detailed in **Section 10.10.2** of **Chapter 10 Ornithology**	Imperceptible (adverse)	N
	Bar-tailed godwit		Not significant (adverse)		Imperceptible (adverse)	N
	Knot		Slight (adverse)		Imperceptible (adverse)	N
	Dunlin		Slight (adverse)		Imperceptible (adverse)	N
	Common tern		Not significant (adverse)		Imperceptible (adverse)	N
	Arctic tern		Not significant (adverse)		Imperceptible (adverse)	N
	Roseate tern		Not significant (adverse)		Imperceptible (adverse)	N
	Other species		Imperceptible (adverse)		Imperceptible (adverse)	N
Impact 1: Direct effects on habitat (Onshore)	Greenfinch	N/A	Not significant (adverse)	Yes, additional mitigation will be implemented detailed in **Section 10.10.2** of **Chapter 10 Ornithology**	Imperceptible (adverse)	N
	Linnet		Not significant (adverse)		Imperceptible (adverse)	N
	sand martin		Moderate (adverse)	Yes, additional mitigation will be implemented detailed in **Section 10.10.2** of **Chapter 10 Ornithology**	Not significant (adverse)	N
Impact 1: Direct effects on habitat (Estuarine / Liffey)	Black guillemot	N/A	Moderate (adverse)	Yes, additional mitigation will be implemented detailed in **Section 10.10.2** of **Chapter 10 Ornithology**	Not significant (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 2: Disturbance and displacement (Array site)	Guillemot	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Razorbill		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Puffin		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Red-throated diver		Not significant (adverse)	Yes, additional mitigation will be implemented detailed in **Section 10.10.2** of **Chapter 10 Ornithology**	Not significant (adverse)	N
	Manx shearwater		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Gannet		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Migratory species		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Other seabird species	Screened out				
Impact 2: Disturbance and displacement (OECC)	Guillemot	N/A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Razorbill		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Puffin		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Red-throated diver		Not significant (adverse)	Yes, additional mitigation will be implemented, as detailed in **Section 10.10.2** of **Chapter 10 Ornithology**	Not significant (adverse)	N
	Black guillemot		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Great northern diver		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Cormorant		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Shag		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Common scoter		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Other seabird species	Screened out				
Impact 2: Disturbance and displacement (Intertidal OECC landfall)	Light-bellied Brent Goose	N/A	PA & AAM[1] - Slight (adverse)	Yes, additional mitigation will be implemented, asdetailed in **Section 10.10.2** of **Chapter 10 Ornithology**	PA & AAM - Imperceptible (adverse)	N
	Shelduck		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Pintail		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N

[1] Where the application for permission seeks locational flexibility for infrastructure, the impacts on the environment are assessed using a Limit of Deviation (LoD). However, for the purposes of noise modelling within the intertidal an approach has been taken which identifies the alternative alignment for the purposes of modelling (AAM), which is the furthest distance that a specified element of the CWP Project can be constructed, alongside the preferred alignment (PA). The AAM is adopted to ensure that impacts from noise are considered from both the more central PA but also the peripheral areas from the intertidal sections of the OECC which maybe subject to noisy activities.

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Shoveler		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Teal		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Oystercatcher		PA & AAM - Slight (adverse)		PA & AAM - Imperceptible (adverse)	N
	Golden plover		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Grey plover		PA & AAM – Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Ringed plover		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Curlew		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Bar-tailed godwit		PA & AAM - Not significant (adverse)		PA & AAM - Imperceptible (adverse)	N
	Black-tailed godwit		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Turnstone		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Knot		PA & AAM - Significant (adverse)		PA & AAM - Imperceptible (adverse)	N
	Sanderling		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Dunlin		PA - Slight / AM - Significant (adverse)		PA & AAM - Imperceptible (adverse)	N
	Redshank		PA & AAM - Slight (adverse)		PA & AAM - Imperceptible (adverse)	N
	Black-headed gull		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Great crested grebe		PA - Imperceptible / AAM - Slight (adverse)		PA & AAM - Imperceptible (adverse)	N
	red-breasted merganser		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Red-throated diver		PA & AAM – Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Herring gull		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Little egret		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Greenshank		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Mediterranean gull		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Common gull		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Great black-backed gull		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Lesser black-backed gull		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Shag		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Black guillemot		PA & AAM - Imperceptible (adverse)		PA & AAM - Imperceptible (adverse)	N
	Common scoter		PA & AAM - Not significant (adverse)		PA & AAM - Imperceptible (adverse)	N
	Grey heron		PA & AAM - Not significant (adverse)		PA & AAM - Imperceptible (adverse)	N
	Common tern		PA & AAM - Significant (adverse)	Yes, additional mitigation will be implemented, as detailed in **Section 10.10.2** of **Chapter 10 Ornithology**	PA & AAM - Slight (adverse)	N
	Arctic tern		PA & AAM - Significant (adverse)		PA & AAM - Slight (adverse)	N
	Roseate tern		PA & AAM - Significant (adverse)		PA & AAM - Slight (adverse)	N
	Sandwich tern		PA & AAM - Significant (adverse)		PA & AAM - Not significant (adverse)	N
	Other species	Screened out				
Impact 2: Disturbance and displacement (Onshore)	Light-bellied Brent Goose	N/A	Moderate (adverse)	Yes, additional mitigation will be implemented detailed in **Section 10.10.2** of **Chapter 10 Ornithology**	Not Significant (adverse)	N
	Greenfinch		Not Significant (adverse)		Imperceptible (adverse)	N
	Linnet		Not Significant (adverse)		Imperceptible (adverse)	N
	Peregrine falcon		Not Significant (adverse)		Imperceptible (adverse)	N
	Sand martin		Not Significant (adverse)		Imperceptible (adverse)	N
Impact 2: Disturbance and displacement (Estuarine / Liffey)	Arctic tern	N/A	Significant (adverse)	Yes, additional mitigation will be implemented detailed in **Section**	Imperceptible (adverse)	N
	Black guillemot		Not Significant (adverse)		Imperceptible (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Black-headed gull		Not Significant (adverse)	**10.10.2** of **Chapter 10 Ornithology**	Imperceptible (adverse)	N
	Common tern		Slight (adverse)		Imperceptible (adverse)	N
Impact 3: Changes in prey availability (Array site and OECC)	Little tern	WTG Layout Option A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Other species		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 3: Changes in prey availability (Intertidal OECC landfall)	Oystercatcher	N/A	Not significant (adverse)	No specific additional mitigation is required, but seasonal and temporal restrictions to address disturbance and displacement impacts also alter receptor sensitivity and impact magnitude in relation to direct effects on habitat as detailed in **Section 10.10.2** of **Chapter 10 Ornithology**	Imperceptible (adverse)	N
	Bar-tailed godwit		Not significant (adverse)		Imperceptible (adverse)	N
	Knot		Slight (adverse)		Imperceptible (adverse)	N
	Dunlin		Slight (adverse)		Imperceptible (adverse)	N
	Common tern		Not significant (adverse)		Imperceptible (adverse)	N
	Arctic tern		Not significant (adverse)		Imperceptible (adverse)	N
	Roseate tern		Not significant (adverse)		Imperceptible (adverse)	N
	Other species		Imperceptible (adverse)		Imperceptible (adverse)	N
Impact 4: Pollution (Array Site, OECC and intertidal OECC landfall)	All species	No difference in assessment details between WTG layout options	Imperceptible to slight (adverse)	No additional mitigation required	Imperceptible to slight (adverse)	N
Impact 5: Introduction of invasive non-native species (Array Site, OECC and intertidal OECC landfall)	All species	WTG Layout Option A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 5: Introduction of invasive non-native species (Onshore)	Light-bellied Brent Goose	N/A	Not significant (adverse)	Yes, additional mitigation will be implemented detailed in **Section 10.10.2** of **Chapter 10 Ornithology**	Imperceptible (adverse)	N
Operations and maintenance						
Impact 1: Direct effects on habitat (Array site and OECC)	All seabird species	WTG Layout Option B (array site) N/A (OECC)	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 1: Direct effects on habitat (Intertidal OECC landfall)	All species	N/A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 2: Disturbance and displacement (Array site)	Guillemot	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Razorbill		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Puffin		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Red-throated diver		Slight (adverse)	Yes, additional mitigation will be implemented detailed in **Section**	Slight (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
				10.10.3 of **Chapter 10 Ornithology**		
	Manx shearwater		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Gannet		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Migratory species		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Other seabird species	Screened out				
Impact 2: Disturbance and displacement (OECC)	Red-throated diver	N/A	Not significant (adverse)	Yes, additional mitigation will be implemented detailed in **Section 10.10.3** of **Chapter 10 Ornithology**	Not significant (adverse)	N
	Guillemot		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Razorbill		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Puffin		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Black guillemot		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Great northern diver		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Cormorant		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Shag		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Common scoter		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Other seabird species	Screened out				
Impact 2: Disturbance and displacement (Intertidal OECC landfall)	All species	N/A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 2: Disturbance and displacement (Onshore)	All species	Screened out				
Impact 2: Disturbance and displacement (Estuarine / Liffey)	Common tern	N/A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Arctic tern		Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 3: Changes in prey availability (Array site and OECC)	All seabird species	WTG Layout Option A (array site) N/A (OECC)	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 3: Changes in prey availability (Intertidal OECC landfall)	All species	N/A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 4: Pollution (Array site, OECC and intertidal OECC landfall)	All species	No difference in assessment details between WTG layout options	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 5: Introduction of invasive non-native species (Array site, OECC and intertidal OECC landfall)	All species	No difference in assessment details between WTG layout options	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Impact 6: Collision (Array site)	Kittiwake	WTG Layout Option A	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	Common gull	WTG Layout Option A	Imperceptible (adverse))	No additional mitigation required	Imperceptible (adverse))	N
	Great black-backed gull	WTG Layout Option A	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	Herring gull	Both	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	Common tern	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Gannet	WTG Layout Option A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Migratory species	WTG Layout Option A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Other seabird species	Screened out				
Impact 2: Presence of onshore buildings / infrastructure (Estuarine / Liffey)	Arctic tern	N/A	Slight (adverse)	No additional mitigation required	Slight (adverse)	N
	Common tern		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
Decommissioning						
Impact 1: Direct effects on habitat (Array site and OECC)	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**					
Impact 1: Direct effects on habitat (Intertidal OECC landfall)						
Impact 1: Direct effects on habitat (Onshore)	Greenfinch	N/A	Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	Linnet		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
	sand martin		Not significant (adverse)	No additional mitigation required	Not significant (adverse)	N
Impact 1: Direct effects on habitat (Estuarine / Liffey)	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**					
Impact 2: Disturbance and displacement (Array site)						
Impact 2: Disturbance and displacement (OECC)						
Impact 2: Disturbance and displacement						

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
(Intertidal OECC landfall)						
Impact 2: Disturbance and displacement (onshore)						
Impact 2: Disturbance and displacement (Estuarine / Liffey)						
Impact 3: Changes in prey availability (Array site and OECC)						
Impact 3: Changes in prey availability (Intertidal OECC landfall)						
Impact 4: Pollution (Array site, OECC and Intertidal OECC landfall)						
Impact 5: Introduction of invasive non-native species (Array site, OECC and Intertidal OECC landfall)						
Impact 5: Introduction of invasive non-native species (onshore)						
Chapter 11 Marine Mammals						
Construction						
Impact 1: Auditory injury (PTS) from pre-construction surveys	All marine mammals	No difference in assessment details between WTG layout options	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 2: Disturbance from pre-construction surveys	All marine mammals	No difference in assessment details between WTG layout options	Negligible to Minor (adverse)	No additional mitigation required	Negligible to Minor (adverse)	N
Impact 3: Auditory Injury (PTS) from UXO	Minke whale	No difference in assessment details between WTG layout options	Moderate (adverse)	Yes, both primary and additional mitigation will be implemented as detailed in **Section 11.10.1** of **Chapter 11 Marine Mammals**	Negligible (adverse)	N
	All others		Minor (adverse)			
Impact 4: Disturbance from UXO (26 km EDR)	All marine mammals	No difference in assessment details between WTG layout options	Minor (adverse)	No additional mitigation required	Negligible to Minor (adverse)	N
Impact 4: Disturbance from UXO (5 km EDR)			Negligible to Minor (adverse)			

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 4: Disturbance from UXO (TTS)			Minor (adverse)			
Impact 5: Auditory injury (PTS) from piling – WTGs	Harbour porpoise	WTG Layout Option A	Minor (adverse)	Yes, both primary and additional mitigation will be implemented as detailed in **Section 11.10.1** of **Chapter 11 Marine Mammals**	Negligible (adverse)	N
	Dolphins		Negligible (adverse)			
	Minke whale		Minor (adverse)			
	Seals		Negligible (adverse)			
Impact 6: Disturbance from piling – WTGs and OSSs	Harbour porpoise	WTG Layout Option A	Negligible (adverse)	No additional mitigation required	Negligible to Minor (adverse)	N
	Dolphins		Negligible to Minor (adverse)			
	Minke whale		Negligible (adverse)			
	Harbour seal		Negligible (adverse)			
	Grey seal		Negligible (adverse)			
Impact 7: Auditory injury (PTS) from piling – onshore substation	All marine mammals	N/A	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 8: Disturbance from piling – onshore substation	All marine mammals	N/A	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 9: Auditory injury (PTS) from other construction activities	Minke whale	WTG Layout Option A	Minor (adverse)	No additional mitigation required	Negligible to Minor (adverse)	N
	All others		Negligible (adverse)			
Impact 10: Disturbance from other construction activities	Cetaceans	WTG Layout Option A	Minor (adverse)	No additional mitigation required	Negligible to Minor (adverse)	N
	Seals		Negligible (adverse)			
Impact 11: Vessel collision	All marine mammals	WTG Layout Option A	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
Impact 12: Disturbance from vessels	All marine mammals	WTG Layout Option A	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 13: Indirect impacts to prey	All marine mammals	As per Fish, Shellfish and Turtle Ecology above.	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Operations and maintenance						
Impact 1: Auditory Injury (PTS) from operational noise	Minke whale	Both	Minor (adverse)	No additional mitigation required	Negligible to Minor (adverse)	N
	All others		Negligible (adverse)			
Impact 2: Disturbance from operational noise	Minke whale	Both	Minor (adverse)	No additional mitigation required	Negligible to Minor (adverse)	N
	All others		Negligible (adverse)			
Impact 3: Vessel collision	All marine mammals	No difference in assessment details between WTG layout options	Minor (adverse)	No additional mitigation required	Minor (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 4: Disturbance from vessels	All marine mammals	No difference in assessment details between WTG layout options	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
Impact 5: Indirect impacts to prey	All marine mammals	As per Fish, Shellfish and Turtle Ecology above.	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Decommissioning						
Impact 1: Auditory injury (PTS) and disturbance from decommissioning	All marine mammals	N/A	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
Impact 2: Vessel collision	All marine mammals	N/A	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
Impact 3: Indirect impacts to prey	All marine mammals	N/A	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Chapter 12 Commercial Fisheries						
Construction						
Impact 1: Loss of grounds or restricted access to fishing grounds within the array site	Potting: whelk	WTG Layout Option A	Moderate (adverse)	Yes, additional mitigation will be implemented detailed in **Section 12.10.1** of **Chapter 12 Commercial Fisheries**	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: razor clam		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: king scallop		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Pelagic trawl: sprat and herring		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Charter angling		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Aquaculture		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 2: Loss of grounds or restricted access to fishing grounds within the OECC	Potting: whelk	N/A	Moderate (adverse)	Yes, additional mitigation will be implemented detailed in **Section 12.10.1** of **Chapter 12 Commercial Fisheries**	Minor (adverse)	N
	Potting: crab and lobster		Moderate (adverse)	Yes, additional mitigation will be implemented detailed in **Section 12.10.1** of **Chapter 12 Commercial Fisheries**	Minor (adverse)	N
	Dredge: mussel seed		Minor (adverse)	No additional mitigation required	Minor (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Dredge: razor clam		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: king scallop		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Pelagic trawl: sprat and herring		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Charter angling		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Aquaculture		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 3: Displacement of fishing activity into other areas	Potting: whelk	WTG Layout Option A (array site) N/A (OECC)	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: razor clam		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: king scallop		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Pelagic trawl: sprat and herring		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Charter angling		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Aquaculture		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
Impact 4: Interference with fishing activities	Potting: whelk	WTG Layout Option A	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: razor clam		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: king scallop		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Pelagic trawl: sprat and herring		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Charter angling		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Aquaculture		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 5: Potential for snagging of gear	Potting: whelk	WTG Layout Option A	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: razor clam		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: king scallop		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Pelagic trawl: sprat and herring		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Charter angling	N/A				
	Aquaculture	N/A				
Impact 6: Increased steaming times to fishing grounds	Potting: whelk	WTG Layout Option A	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: razor clam		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: king scallop		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Pelagic trawl: sprat and herring		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Charter angling	N/A				
	Aquaculture	N/A				
Impact 7: Effects on commercially exploited species	Potting: whelk	As per Fish, Shellfish and Turtle Ecology above.	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Minor (adverse)	No additional mitigation required	Minor (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Dredge: razor clam		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: king scallop		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Pelagic trawl: sprat and herring		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Charter angling		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Aquaculture	N/A				
Operations and maintenance						
Impact 1: Loss of grounds or restricted access to fishing grounds within the array site	Potting: whelk	WTG Layout Option A	Moderate (adverse)	Yes, additional mitigation will be implemented detailed in **Section 12.10.2** of **Chapter 12 Commercial Fisheries**	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: razor clam		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: king scallop		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Pelagic trawl: sprat and herring		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Charter angling		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Aquaculture		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 2: Loss of grounds or restricted access to fishing grounds within the OECC	Potting: whelk	N/A	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: razor clam		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: king scallop		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Beam trawl: sole and mixed flatfish		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Pelagic trawl: sprat and herring		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Charter angling		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Aquaculture		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 3: Displacement of fishing activity into other areas	Potting: whelk	WTG Layout Option A (array site) N/A (OECC)	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: razor clam		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: king scallop		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Pelagic trawl: sprat and herring		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Charter angling		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Aquaculture		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 4: Interference with fishing activities	Potting: whelk	No difference in assessment details between WTG layout options	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: razor clam		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: king scallop		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Pelagic trawl: sprat and herring		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Charter angling		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Aquaculture		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 5: Potential for snagging of gear	Potting: whelk	WTG Layout Option A	Minor (adverse)	No additional mitigation required	Minor (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: razor clam		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: king scallop		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Pelagic trawl: sprat and herring		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Charter angling	N/A				
	Aquaculture	N/A				
Impact 6: Increased steaming times to fishing grounds	Potting: whelk	WTG Layout Option A (array site) N/A (OECC)	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: razor clam		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: king scallop		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Beam trawl: sole and mixed flatfish		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Demersal otter trawl: nephrops and mixed demersal		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Pelagic trawl: sprat and herring		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Charter angling	N/A				
	Aquaculture	N/A				
Impact 7: Effects on commercially exploited species	Potting: whelk	As per Fish, Shellfish and Turtle Ecology above.	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Potting: crab and lobster		Minor (adverse)	No additional mitigation required	Minor (adverse)	N
	Dredge: mussel seed		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: razor clam		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Dredge: king scallop		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Netting: Blonde ray, sole and mixed demersal		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Beam trawl: sole and mixed flatfish		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Demersal otter trawl: nephrops and mixed demersal		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Pelagic trawl: sprat and herring		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Charter angling		Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
	Aquaculture	N/A				
Decommissioning						
The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**						
Chapter 13 Offshore Bats						
Construction						
Impact 1: Disturbance	Offshore bats – foraging or migrating	WTG Layout Option A	Not significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 13.9** of **Chapter 13 Offshore Bats.** However, the additional measures outlined in **Section 13.10.1** of **Chapter 13 Offshore Bats** will be implemented as a matter of good practice.	Not significant (adverse)	N
Impact 2: Lighting	Foraging bats	WTG Layout Option A	Not significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 13.9** of **Chapter 13 Offshore Bats.** However, the additional measures outlined in **Section 13.10.1** of **Chapter 13 Offshore Bats** will be implemented as a matter of good practice.	Not significant (adverse)	N
Operations and maintenance						
Impact 1: Disturbance	Offshore bats – foraging or migrating	WTG Layout Option A	Not significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 13.9** of **Chapter 13 Offshore Bats.** However, the additional measures outlined in **Section 13.10.2** of **Chapter 13 Offshore Bats** will be implemented as a matter of good practice.	Not significant (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 2: Collision	Migrating bats	WTG Layout Option A	Slight for all species except Daubenton's, which would be Not significant	No additional mitigation is required.	Not significant (adverse)	N
Impact 3: Lighting	Offshore bats – foraging or migrating	WTG Layout Option A	Not significant (adverse)	No additional mitigation is required.	Not significant (adverse)	N
Decommissioning						
Impact 1: Disturbance	Offshore bats – foraging or migrating	N/A	Not significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 13.9** of **Chapter 13 Offshore Bats.** However, the additional measures outlined in **Section 13.10.3** of **Chapter 13 Offshore Bats** will be implemented as a matter of good practice.	Not significant (adverse)	N
Impact 2: Lighting	Offshore bats – foraging or migrating	N/A	Not significant (adverse)	No additional mitigation is required.	Not significant (adverse)	N
Chapter 14 Marine Archaeology & Cultural Heritage						
Construction						
Impact 1: Direct disturbance to seabed causing damage to receptors	Known and potential palaeogeography receptors	WTG Layout Option A	Slight to Significant, Slight to Profound (adverse)	Yes, additional mitigation will be implemented detailed in **Section 14.10.1** of **Chapter 14 Marine Archaeology & Cultural Heritage**.	Profound beneficial (as long as samples are retained, analysed and reported on by a qualified geoarchaeologist)	N
	Known and recorded maritime and aviation receptors (A1s)		Slight (adverse)	No additional mitigation is required	Slight (adverse)	N
	Geophysical anomalies of possible anthropogenic origin (A2s)		Slight (adverse)	No additional mitigation is required	Slight (adverse)	N
	Currently unknown archaeological sites and artefacts		Profound (adverse)	Yes, additional mitigation will be implemented detailed in **Section 14.10.1** of **Chapter 14 Marine Archaeology & Cultural Heritage**.	Moderate beneficial	N
Impact 2: Indirect disturbance to receptors caused by changes to the hydrodynamic and SSC due to spoil removal and suspended sediment redistribution	Known and potential palaeogeography, maritime and aviation receptors	WTG Layout Option A	Not significant (adverse)	No further mitigation is required	Not significant (adverse)	
Operations and maintenance						

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 1: Direct disturbance to previously not impacted seabed causing damage to receptors	Known and potential palaeogeography, maritime and aviation receptors	No difference in assessment details between WTG layout options	Profound (adverse)	Yes, additional mitigation will be implemented detailed in **Section 14.10.2** of **Chapter 14 Marine Archaeology & Cultural Heritage**.	Moderate beneficial (not significant)	N
Impact 2: Indirect disturbance to receptors caused by changes SSC and scour associated with installation structures	Known and potential palaeogeography, maritime and aviation receptors	WTG Layout Option A	Not significant (adverse)	No further mitigation is required	Not significant (adverse)	N
Decommissioning						
The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**						
Chapter 15 Seascape, Landscape Visual Impact Assessment						
Construction, Operations and maintenance, and Decommissioning						
The summary of effects in relation to Seascape, Landscape Visual Impact Assessment are included as an annex to this Appendix.						
Chapter 16 Shipping and Navigation						
Construction						
Impact 1: Vessel displacement leading to increased encounters and collision risk	All third-party vessels	WTG Layout Option A	Tolerable (adverse)	No additional mitigation required	Tolerable (adverse)	N
Impact 2: Increased collision risk (third party with project vessel)	All third-party vessels	WTG Layout Option A	Tolerable (adverse)	Yes, additional mitigation will be implemented detailed in **Section 16.10.1** of **Chapter 16 Shipping and Navigation**	Tolerable (adverse)	N
Impact 3: Vessel to structure allision risk (vessel to structure)	All third-party vessels	WTG Layout Option A	Tolerable (adverse)	No additional mitigation required	Tolerable (adverse)	N
Impact 4: Reduction in emergency response capability	All third-party vessels, emergency responders	WTG Layout Option A	Tolerable (adverse)	Yes, additional mitigation will be implemented detailed in **Section 16.10.1** of **Chapter 16 Shipping and Navigation**	Tolerable (adverse)	N
Impact 5: Port access restrictions	Port services and users	WTG Layout Option A	Tolerable (adverse)	Yes, additional mitigation will be implemented detailed in **Section 16.10.1** of **Chapter 16 Shipping and Navigation**	Tolerable (adverse)	N
Operations and maintenance						
Impact 1: Vessel displacement leading to increased encounters and collision risk	All third-party vessels	WTG Layout Option A	Tolerable (adverse)	No additional mitigation required	Tolerable (adverse)	N
Impact 2: Increased collision risk (third party with project vessel)	All third-party vessels	WTG Layout Option A	Tolerable (adverse)	Yes, additional mitigation will be implemented detailed in **Section 16.10.2** of **Chapter 16 Shipping and Navigation**	Tolerable (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 3: Vessel to structure allision risk (vessel to structure)	All third-party vessels	WTG Layout Option A	Tolerable (adverse)	No additional mitigation required	Tolerable (adverse)	N
Impact 4: Reduction in emergency response capability	All third-party vessels, emergency responders	WTG Layout Option A	Tolerable (adverse)	Yes, additional mitigation will be implemented detailed in **Section 16.10.2** of **Chapter 16 Shipping and Navigation**	Tolerable (adverse)	N
Impact 5: Port Access Restrictions	Port services and users	WTG Layout Option A	Broadly acceptable (adverse)	No additional mitigation required	Broadly acceptable (adverse)	N
Impact 6: Reduction in under keel clearance	All third-party vessels	WTG Layout Option A	Tolerable (adverse)	Yes, additional mitigation will be implemented detailed in **Section 16.10.2** of **Chapter 16 Shipping and Navigation**	Tolerable (adverse)	N
Impact 7:Anchor interaction with subsea cables	Anchored vessels	WTG Layout Option A	Broadly acceptable (adverse)	No additional mitigation required	Broadly acceptable (adverse)	N
Decommissioning						
Impact 1: Vessel displacement leading to increased encounters and collision risk	All third-party vessels	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				
Impact 2: Increased collision risk (third party with project vessel)	All third-party vessels					
Impact 3: Vessel to structure allision risk (vessel to structure)	All third-party vessels					
Impact 4: Reduction in emergency response capability	All third-party vessels, emergency responders					
Impact 5: Port Access Restrictions	Port services and users	N/A	Broadly acceptable (adverse)	No additional mitigation required	Broadly acceptable (adverse)	N
Chapter 17 Aviation, Military and Radar						
Construction						
Impact 1: Potential impact on Dublin Airport IFPs due to presence of wind turbines.	Dublin Airport IFPs	WTG Layout Option B	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Impact 2: Physical obstructions to low flying aircraft (including IRCG SAR helicopter operations) due to presence of obstacles (cranes, stationary wind turbines, offshore substation structure (OSS))	Low flying aircraft (including IRCG SAR helicopter operations)	WTG Layout Option B	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N
Operations and maintenance						
Impact 1: Potential impact on Dublin Airport ATC radar due to presence of wind turbines	Dublin Airport ATC radar	WTG Layout Option B	Negligible (adverse)	No additional mitigation required	Negligible (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 2: Potential impact on Met Eireann Dublin Airport meteorological radar due to presence of wind turbines	Met Eireann Dublin Airport meteorological radar	WTG Layout Option B	Minor (adverse)	No additional mitigation required	Minor (adverse)	N
Decommissioning						
Impact 1: Potential impact on Dublin Airport IFPs due to presence of wind turbines.	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**					
Impact 2: Physical obstructions to low flying aircraft (including IRCG SAR helicopter operations) due to presence of obstacles (cranes, stationary wind turbines, offshore substation structure (OSS))						
Chapter 18 Material Assets - Marine Infrastructure						
Construction						
Impact 1: Direct effects on marine infrastructure	Subsea utilities (cables and pipelines)	WTG Layout Option A	Moderate (adverse)	Yes, additional mitigation will be implemented detailed in **Section 18.10.1** of **Chapter 18 Material Assets – Marine Infrastructure**	Imperceptible (adverse)	N
	Power plants' discharge channel (two power plants discharge to the river Liffey)					
Impact 2: Indirect effects on marine infrastructure	Subsea utilities (cables and pipelines)	WTG Layout Option A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Oil and gas licensed exploration areas					
	Marine aggregates					
	Power plants' discharge channel (two power plants discharge to the river Liffey)					
Operations and maintenance						
Impact 1: Direct effects on marine infrastructure	Subsea utilities (cables and pipelines)	WTG Layout Option A	Moderate (adverse)	No additional mitigation required, in addition to primary mitigation detailed in **Section 18.9** of **Chapter 18 Material Assets – Marine Infrastructure**	Imperceptible (adverse)	N
	Power plants' discharge channel (two power plants discharge to the river Liffey)					
Impact 2: Indirect effects on marine infrastructure	Subsea utilities (cables and pipelines)	WTG Layout Option A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
	Oil and gas licensed exploration areas					
	Marine aggregates					
	Power plants' discharge channel (two power plants discharge to the river Liffey)					

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 3: Interference of TV and radio reception	TV and radio reception	WTG Layout Option A	Imperceptible (adverse)	implemented detailed in **Section 18.10.2** of **Chapter 18 Material Assets – Marine Infrastructure**	Imperceptible (adverse)	N
Decommissioning						
Impact 1: Direct effects on marine infrastructure	Subsea utilities (cables and pipelines)	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
	Power plants' discharge channel (two power plants discharge to the river Liffey)					
Impact 2: Indirect effects on marine infrastructure	Subsea utilities (cables and pipelines)					
	Oil and gas infrastructure					
	Marine aggregates					
	Power plants' discharge channel (two power plants discharge to the river Liffey)					
Chapter 19 Land Soils and Geology						
Construction						
Impact 1: Excavation of contaminated land	Underlying soils and construction workers	N/A	Slight/Not Significant (adverse) (onshore substation and along onshore export cable)	Yes, additional mitigation will be implemented as detailed in **Section 19.10.1** of **Chapter 19 Land, Soils and Geology**.	Not Significant (adverse) (onshore substation and along onshore export cable)	N
			Moderate (adverse) (landfall)		Slight (adverse) (landfall)	N
Impact 2: Potential for release of ground gas	Construction workers	N/A	Moderate (adverse) (landfall)	Yes, additional mitigation will be implemented as detailed in **Section 19.10.1** of **Chapter 19 Land, Soils and Geology**.	Slight (adverse) (landfall)	N
Impact 3: Soil settlement	Infrastructure & utilities	N/A	Slight (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 19.9** of **Chapter 19 Land, Soils and Geology**. However, the additional measures outlined in **Section 19.10.1** of **Chapter 19 Land, Soils and Geology** will be implemented as a matter of good practice.	Imperceptible (adverse)	N
Impact 4: Risk of leaks or spills impacting on land and soils	Underlying soils	N/A	Not Significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 19.9** of **Chapter 19 Land, Soils**	Imperceptible (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
				and Geology. However, the measures outlined in **Section 19.10.1** of **Chapter 19 Land, Soils and Geology** will also be implemented as a matter of good practice.		
Decommissioning						
Impact 1: Excavation of contaminated land	Underlying soils and construction workers	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
Impact 2: Potential for release of ground gas	Construction workers					
Impact 3: Soil settlement	Infrastructure & utilities					
Impact 4: Risk of leaks or spills during decommissioning works impacting surrounding land and soils	Underlying soils					
Chapter 20 Hydrology and Hydrogeology						
Construction						
Impact 1: Risk of leaks or spills impacting on groundwater quality.	Groundwater	N/A	Not Significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 20.10** of **Chapter 20 Hydrology and Hydrogeology**. However, additional mitigation will be implemented as detailed in **Section 20.10.1** of **Chapter 20 Hydrology and Hydrogeology**.	Imperceptible (adverse)	N
Impact 2: Mobilisation of historical contamination, resulting in in impacts to groundwater quality..	Groundwater	N/A	Not Significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 20.10** of **Chapter 20 Hydrology and Hydrogeology**. However, additional mitigation will be implemented as detailed in **Section 20.10.1** of **Chapter 20 Hydrology and Hydrogeology**.	Imperceptible (adverse)	N
Impact 3: Discharge of water generated during the construction phase, resulting in impacts to groundwater quality	Groundwater	N/A	Not Significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 20.10** of **Chapter 20 Hydrology and Hydrogeology**. However, additional mitigation will be implemented as detailed in **Section 20.10.1** of **Chapter 20 Hydrology and Hydrogeology**.	Imperceptible (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Operations and maintenance						
Impact 1: Alteration of the groundwater flow regime as a result of the presence of installed structures	Groundwater	N/A	Not Significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 20.10**. However, additional mitigation will be implemented as detailed in **Section 20.10.2**	Imperceptible (adverse)	N
Decommissioning						
Impact 1: Accidental spillage or release of hydrocarbons or chemicals resulting in impacts to groundwater quality.	Groundwater	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
Impact 2: Mobilisation of historical contamination, resulting in in impacts to groundwater quality.	Groundwater					
Chapter 21 Onshore Biodiversity						
Construction						
Impact 1: Temporary habitat loss	Habitats	N/A	Not Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 21.11.1** of **Chapter 21 Onshore Biodiversity**	Not Significant (adverse)	N
Impact 1: Permanent and temporary habitat loss			Significant (adverse)		Not Significant (adverse)	N
Impact 2: Habitat degradation as a result of the introduction / spread of INNS	Habitats	N/A	Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 21.11.1** of **Chapter 21 Onshore Biodiversity**	Not Significant (adverse)	N
Impact 3: Habitat degradation as a result of air quality impacts	Habitats	N/A	Not Significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 21.10** of **Chapter 21 Onshore Biodiversity**. However, the measures outlined in **Section 21.11.1** of **Chapter 21 Onshore Biodiversity** will also be implemented as a matter of good practice.	Not Significant (adverse)	N
Impact 4: Permanent /temporary loss of breeding / resting places or commuting and/or foraging	Badger	N/A	Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 21.11.1** of **Chapter 21 Onshore Biodiversity**	Not Significant (adverse)	N
	Otter		Not Significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section**	Not Significant (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
				21.10 of **Chapter 21 Onshore Biodiversity**. However, the measures outlined in **Section 21.11.1** of **Chapter 21 Onshore Biodiversity** will also be implemented as a matter of good practice.		
	Bats		Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 21.11.1** of **Chapter 21 Onshore Biodiversity**	Not Significant (adverse)	N
	Other Mammal Species		Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 21.11.1** of **Chapter 21 Onshore Biodiversity**	Not Significant (adverse)	N
Impact 5: Disturbance /displacement (noise, vibration and lighting) to protected terrestrial species / other mammal species during construction phase activities	Badger	N/A	Not Significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 21.10** of **Chapter 21 Onshore Biodiversity**. However, the measures outlined in **Section 21.11.1** of **Chapter 21 Onshore Biodiversity** will also be implemented as a matter of good practice.	Not Significant (adverse)	N
	Otter		Not Significant (adverse)		Not Significant (adverse)	N
	Bats		Not Significant (adverse)		Not Significant (adverse)	N
	Other Mammal Species		Not Significant (adverse)		Not Significant (adverse)	N
Operations and maintenance						
Impact 1: Disturbance /displacement (noise and /or lighting) to protected terrestrial species / other mammal species during operation and maintenance activities	Badger	N/A	Not Significant (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 21.10** of **Chapter 21 Onshore Biodiversity**. However, the measures outlined in **Section 21.11.2** of **Chapter 21 Onshore Biodiversity** will also be implemented as a matter of good practice.	Not Significant (adverse)	N
	Bats		Not Significant (adverse)		Not Significant (adverse)	N
	Otter		Not Significant (adverse)		Not Significant (adverse)	N
	Other mammal species		Not Significant (adverse)	No additional mitigation is required	Not Significant (adverse)	N
Decommissioning						
Impact 1: Permanent and temporary loss of habitat.	Habitats	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
Impact 2: Habitat degradation as a result of the introduction / spread of INNS.	Habitats					

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 3: Habitat degradation as a result of air quality impacts (dust).	Habitats					
Impact 4: Permanent / temporary loss of breeding / resting places or commuting and / or foraging habitat for protected terrestrial species.	• Badger • Bats • Otter • Other mammal species					
Impact 5: Disturbance / displacement (noise, vibration and lighting) to protected terrestrial species / other mammal species during decommissioning phase activities	• Badger • Bats • Otter • Other mammal species					
Construction, Operation & maintenance and decommissioning						
European sites	South Dublin Bay SAC	N/A	**Construction and decommissioning phases:** Significant (adverse) **O&M phase:** Not Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 21.12.1** of **Chapter 21 Onshore Biodiversity**	Not Significant (adverse)	N
Designated sites	South Dublin Bay pNHA	N/A	**Construction and decommissioning phases:** Significant (adverse) **O&M phase**: Not Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 21.12.2** of **Chapter 21 Onshore Biodiversity**	Not Significant (adverse)	N
Chapter 22 Onshore Archaeology, Architectural and Cultural Heritage						
Onshore						
Construction						
Impact 1: Permanent loss or disturbance of archaeological features or deposits located within the onshore development area and within the zone of archaeological potential for block house and fort (RMP DU019-027, RPS 6794)	Block house and fort ZAP (RMP DU019-027, RPS 6794).	N/A	Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 22.1.10** of **Chapter 22 Onshore Archaeology, Architectural and Cultural Heritage**	Slight (adverse)	N
Impact 2: Permanent loss or disturbance of archaeological features or deposits located within the onshore development area and within the zone of archaeological potential for the Ballast Wall, including the Pigeon House harbour wall (RMP DU018-066/DU019-029, RPS 6797).	Ballast Wall Zone of Archaeological Potential and Pigeon Householdarbour wall, RMP DU018-066/DU019-029, RPS 6797).	N/A	Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 22.1.10** of **Chapter 22 Onshore Archaeology, Architectural and Cultural Heritage**	Slight (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 3: Permanent loss or disturbance of archaeological features or deposits that may survive beneath the current ground level within the onshore development area and outside of the designated Zones of Archaeological Potential.	Onshore development lands outside of designated Zones of Archaeological Potential	N/A	Slight - profound (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 22.1.10** of **Chapter 22 Onshore Archaeology, Architectural and Cultural Heritage**	Slight (adverse)	N
Impact 4: Temporary disturbance to the setting of recorded archaeological and built heritage sites, the Pigeon House Harbour Conservation Area and the DCIHR outfall works, during the construction phase	Recorded archaeological and built heritage sites (including Pigeon House Harbour Conservation Area and outfall works)	N/A	Moderate (adverse)	Due to the nature of the construction process, which is a visually intrusive operation, it is not possible to mitigate indirect impacts on the setting of sensitive receptors, although the duration of the impact will be short-term.	Moderate (adverse)	N
Impact 5: Temporary disturbance to the setting of the Dublin Port cultural heritage landscape, during the construction phase.	Dublin Port Landscape	N/A	Slight (adverse)	Due to the nature of the construction process, which is a visually intrusive operation, it is not possible to mitigate indirect impacts on the setting of sensitive receptors, although the duration of the impact will be short-term.	Slight (adverse)	N
Operations and maintenance						
Impact 1: Long term change to the setting of recorded archaeological and built heritage sites, the Pigeon House Harbour Conservation Area and DCIHR outfall works, due to the presence of the onshore substation	Recorded archaeological and built heritage sites (including Pigeon House Harbour Conservation Area and outfall works	N/A	Moderate (adverse)	No additional mitigation is required	Moderate (adverse)	N
Impact 2: Long term change to the setting of the Dublin Port cultural heritage landscape, due to the presence of the onshore substation.	Dublin Port Landscape	N/A	Slight (adverse)	No additional mitigation is required	Slight (adverse)	N
Decommissioning						
Impacts on the receiving environment due to the removal of the OTI	The settings of onshore archaeological, built heritage and cultural heritage sites	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
Offshore						
Operations and maintenance						
Permanent disturbance to the setting of archaeological and architectural heritage sites directly linked to the coast, within the Zone of Theoretical Visibility (ZTV), from offshore turbines (WTG Layout Option A and WTG Layout Option B).	The setting of archaeological and architectural heritage sites directly linked to the coast.	Both	Ranges from Imperceptible to Moderate (adverse)	It is not possible to mitigate impacts upon sensitive receptors due to the fact that the offshore turbines are a minimum distance of approximately 13 km offshore.	Ranges from Imperceptible to Moderate (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Chapter 23 Landscape and Visual Impacts						
Construction						
Impact 1: Impacts on landscape features within the onshore development area.	Specimen trees	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
	Amenity screen planting	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
	Naturally regenerated scrub	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
Impact 2: Impacts on landscape / townscape character.	Poolbeg Peninsula TCA	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
	Mudflats LCA	N/A	Moderate (adverse)	No additional mitigation is required	Moderate (adverse)	N
Impact 3: Impacts on visual amenity.	Viewpoint 1: Bull Wall	N/A	Moderate-minor (adverse)	No additional mitigation is required	Moderate-minor (adverse)	N
	Viewpoint 2: Great South Wall	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
	Viewpoint 3: Pigeon House Road	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
	Viewpoint 4: Sandymount Promenade	N/A	Moderate (adverse)	No additional mitigation is required	Moderate (adverse)	N
	Viewpoint 5: Sandymount Strand	N/A	Moderate (adverse)	No additional mitigation is required	Moderate (adverse)	Y
	Viewpoint 6: Clontarf Promenade	N/A	Moderate-minor (adverse)	No additional mitigation is required	Moderate-minor (adverse)	N
	Viewpoint 7: Strand Road	N/A	Moderate-minor (adverse)	No additional mitigation is required	Moderate-minor (adverse)	N
	Viewpoint 8: Dublin Port Ferry Terminal	N/A	Moderate (adverse)	No additional mitigation is required	Moderate (adverse)	N
	Footpath between Sandymount and the Great South Wall	N/A	Moderate (adverse)	No additional mitigation is required	Moderate (adverse)	Y
	Pigeon House Road	N/A	Moderate-minor (adverse)	No additional mitigation is required	Moderate-minor (adverse)	N
Operations and maintenance						
Impact 1: Impacts on landscape features within the onshore development area.	Specimen trees	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
	Amenity screen planting	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	Naturally regenerated scrub	N/A	Negligible (adverse)	No additional mitigation is required	Negligible (adverse)	N
Impact 2: Impacts on landscape / townscape character.	Poolbeg Peninsula TCA	N/A	Negligible (adverse)	No additional mitigation is required	Negligible (adverse)	N
Impact 3: Impacts on visual amenity.	Viewpoint 1: Bull Wall	N/A	Moderate-minor (adverse)	No additional mitigation is required	Moderate-minor (adverse)	N
	Viewpoint 2: Great South Wall	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
	Viewpoint 3: Pigeon House Road	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
	Viewpoint 4: Sandymount Promenade	N/A	Moderate-minor (adverse)	No additional mitigation is required	Moderate-minor (adverse)	N
	Viewpoint 5: Sandymount Strand	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
	Viewpoint 6: Clontarf Promenade	N/A	Moderate-minor (adverse)	No additional mitigation is required	Moderate-minor (adverse)	N
	Viewpoint 7: Strand Road	N/A	Minor (adverse)	No additional mitigation is required	Minor (adverse)	N
	Viewpoint 8: Dublin Port Ferry Terminal	N/A	Moderate-minor (adverse)	No additional mitigation is required	Moderate-minor (adverse)	N
	Footpath between Sandymount and the Great South Wall	N/A	Ranges from moderate-minor (adverse) to minor (adverse)	No additional mitigation is required	Ranges from moderate-minor (adverse) to minor (adverse)	N
	Pigeon House Road	N/A	Moderate-minor (adverse)	No additional mitigation is required	Moderate-minor ((adverse)	N
Decommissioning						
Impact 1: Impacts on landscape features within the onshore development area.	• Specimen trees • Amenity screen planting • Naturally regenerated scrub	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
Impact 2: Impacts on landscape / townscape character.	• Poolbeg Peninsula TCA • Mudflats LCA					
Impact 3: Impacts on visual amenity.	• Viewpoint 1: Bull Wall • Viewpoint 2: Great South Wall • Viewpoint 3: Pigeon House Road • Viewpoint 4: Sandymount Promenade • Viewpoint 5: Sandymount Strand • Viewpoint 6: Clontarf Promenade • Viewpoint 7: Strand Road					

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
	• Viewpoint 8: Dublin Port Ferry Terminal • Footpath between Sandymount and the Great South Wall • Pigeon House Road					
Chapter 24 Noise and Vibration						
Construction						
Impact 1 to 6: Construction noise associated with OTI and OfTI (intertidal area)	NSLs	N/A	Ranges from Not Significant to Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 24.9.1** of **Chapter 24 Noise and Vibration**	Not Significant to Moderate	N
Impact 7 to 11: Construction vibration associated with OTI and OfTI (intertidal area)	VSRs (cosmetic damage to buildings)	N/A	Ranges from Not Significant to Significant (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 24.9.1** of **Chapter 24 Noise and Vibration**	Not Significant (adverse)	N
	VSRs (Human response to vibration)	N/A	Ranges from Not Significant to Significant (adverse)		Not Significant to Moderate (adverse)	N
Impact 12: Temporary road traffic noise level at NSLs due to construction traffic	NSLs	N/A	Not Significant (adverse)	No additional mitigation required	Not Significant (adverse)	N
Impact 13: Temporary noise level at onshore NSLs associated with the WTG monopiling	NSLs	Both	Not Significant (adverse)	No additional mitigation required	Not Significant (adverse)	N
Operations and maintenance						
Impact 14a: Permanent noise level at onshore NSLs associated with the WTG (Option A)	NSLs	WTG Layout Option A	As the predicted noise levels for either option are below the 35 dB L_{A90} threshold, there is no further consideration of operational noise from the WTGs.			N
Impact 14b: Permanent noise level at onshore NSLs associated with the WTG (Option B)	NSLs	WTG Layout Option B				N
Impact 15: Permanent noise level at NSLs associated with the onshore substation operational plant	NSLs	N/A	Imperceptible (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 24.9.4** of **Chapter 24 Noise and Vibration**	Imperceptible (adverse)	N
Decommissioning						
Impact 16 to 18: Decommissioning activities	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**					N
Chapter 25 Air Quality						

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Construction						
Impact 1: Impact of construction dust from earthworks, construction and trackout in terms of dust soiling, human health and ecosystems	Residential, commercial and ecological receptors	N/A	Slight (adverse)	Yes, additional mitigation will be implemented as detailed in **Section 25.10.1 Chapter 25 Air Quality**.	Not Significant (adverse)	N
Operations and maintenance						
N/A	Residential, commercial and ecological receptors	N/A	Imperceptible (adverse)	No additional mitigation required	Imperceptible (adverse)	N
Decommissioning						
Impact 1: Dust soiling from decommissioning activities in terms of dust soiling, human health and ecosystems.	Residential, commercial and ecological receptors	Potential impacts will be no greater to those identified during the construction phase and have been assessed as such, with the exception of the demolition of the OTI infrastructure. However, the same mitigation measures implemented during the construction phase will be applied during the decommissioning works and are also considered appropriate for the decommissioning demolition works. **Not Significant** (adverse)				N
Chapter 26 Material Assets - Built Services						
Construction						
Impact 1: Disruption to Utility Assets	Utility Assets	N/A	Slight (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 26.9** of **Chapter 26 Material Assets – Built Services**. However, the measures outlined in **Section 26.10.2** of **Chapter 26 Material Assets – Built Services** will be implemented as a matter of good practice.	Slight (adverse)	N
Decommissioning						
Impact 1: Disruption to Utility assets	Utility Assets	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
Chapter 27 Traffic and Transport						
Construction						
Impact 1: Construction Stage Traffic Network	All road users	N/A	Ranges from Imperceptible to Moderate-Slight (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 27.10** of **Chapter 27 Traffic and Transport.** However, the measures outlined in **Section 27.12** of **Chapter 27 Traffic and Transport** will be implemented as a matter of good practice.	Ranges from Imperceptible to Slight (adverse)	N
Impact 2: Construction Stage Traffic - Junctions	All road users	N/A	Ranges from Imperceptible to Slight (adverse)		Imperceptible (adverse)	N
Impact 3: Construction Stage Traffic – Pedestrian and Cyclists Accessibility	Pedestrian, and cyclists	N/A	Imperceptible (adverse)		Imperceptible (adverse)	N
Decommissioning						

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 1: Decommissioning Stage Traffic Network	All road users	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
Impact 2: Decommissioning Stage Traffic - Junctions	All road users					N
Impact 3: Decommissioning Stage Traffic – Pedestrian and Cyclists Accessibility	Pedestrian, and cyclists					N
Chapter 28 Climate - Carbon Balance Assessment						
Construction						
Impact 1: GHGA: GHG emissions associated with the OTI and offshore infrastructure throughout the CWP Project's lifecycle (construction, O&M, and decommissioning phases)	Climate	OTI and offshore infrastructure	Significant (beneficial)	Yes, additional mitigation will be implemented as detailed in **Section 28.10.1** of **Chapter 28 Climate – Carbon Balance Assessment**.	Significant (beneficial)	Y (beneficial)
Operations and maintenance						
Impact 1: GHGA emissions associated with the OTI and offshore infrastructure throughout the CWP Project's lifecycle (construction, O&M, and decommissioning phases)	Climate	OTI and offshore infrastructure	Significant (beneficial)	Yes, additional mitigation will be implemented as detailed in **Section 28.10.1** of **Chapter 28 Climate – Carbon Balance Assessment**.	Significant (beneficial)	Y (beneficial)
Impact 2: CCRA – CWP Project OTI and offshore infrastructure vulnerability to climate change (construction, O&M, and decommissioning phases)	Climate	OTI and offshore infrastructure	Imperceptible (adverse)	No additional mitigation is required	Imperceptible (adverse)	N
Decommissioning						
Impact 1: GHGA emissions associated with the OTI and offshore infrastructure throughout the CWP Project's lifecycle (construction, O&M, and decommissioning phases)	Climate	OTI and offshore infrastructure	Significant (beneficial)	No additional mitigation is required	Significant (beneficial)	Y (beneficial)
Chapter 29 Population						
Construction						
Impact 1: Impacts on onshore and nearshore recreation receptors during the construction of the OTI and landfall.	Recreational receptors	N/A	Slight (adverse)	Additional mitigation is not required beyond the primary mitigation described in **Section 29.9** of **Chapter 29 Population.** However, the measures outlined in **Section 29.10.1** of **Chapter 29 Population** will be implemented as a matter of good practice.	Not Significant (adverse)	N

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 2: Impact on the tourism economy during the construction phase of the offshore infrastructure.	Tourism economy	N/A	Not Significant (neutral)	No additional mitigation is required	Not Significant (neutral)	N
Impact 3: Economic effects associated with construction of the CWP Project.	Surrounding economy	N/A	Moderate–Slight (beneficial)	No additional mitigation is required	Moderate–Slight (beneficial)	N
Operations and maintenance						
Impact 1: Impacts on recreational receptors associated with the O&M phase of the offshore infrastructure	Recreational receptors	Impacts on recreation receptors are assessed in the following EIAR chapters respectively: • Chapter 15 Seascape, Landscape and Visual Impact • Chapter 16 Shipping and Navigation				-
Impact 2: Impacts on the tourism economy associated with the O&M phase of the offshore infrastructure.	Tourism economy	N/A	Not Significant (neutral)	N/A	Not Significant (neutral)	N
Impact 3: Economic effects associated with the O&M of the CWP Project.	Surrounding economy	N/A	Moderate–Slight (beneficial)	N/A	Moderate–Slight (beneficial)	N
Decommissioning						
Onshore transmission infrastructure and landfall	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**					N
Offshore Infrastructure						
Chapter 30 Human Health						
Construction, Operation and maintenance, and Decommissioning Phases						
Impact 1: Air Quality – health impacts due to air emissions (dusts emissions, traffic emissions)	Human Health receptors	**Chapter 30 Human Health** of the EIAR has summarised the potential environmental impacts on human health from the construction, O&M and decommissioning phases of the CWP Project. The individual impact assessment summaries for each of the environmental factors reviewed in terms of human health (i.e., air, noise, vibration, water, land and soils) are outlined in their respective topic chapters of this EIAR: • Chapter 19 Land, Soils and Geology; • Chapter 20 Hydrology and Hydrogeology; • Chapter 24 Noise and Vibration; • Chapter 25 Air Quality; and • Chapter 27 Traffic and Transport. Overall, the human health impact assessment concludes that with the standard best practice mitigation measures applied, any effects on human health, from the construction, O&M, and decommissioning phases, would be not significant in EIA terms.				N
Impact 2: Noise and Vibration – health impacts due to noise and vibration emissions						N
Impact 3: Water Quality – health impacts related to water quality (emissions to water, contamination)						N
Impact 4: Land and Soils – health impacts due to soil contamination						N
Impact 5: Traffic – health impacts due to traffic disruption within the local road network						N
Chapter 31 Waste & Resource Management						
Construction						

Potential Impact	Receptor	WTG layout option assessed as representative scenario in main chapter (N/A – No consideration of WTGs)	Significance of effect (pre-mitigation)	Additional mitigation	Residual significance of effect	Significant in EIA terms (Y / N)
Impact 1: Generation and management of excavated materials	Waste and resource management receptors	N/A	Not Significant (adverse)	None, other than that outlined within the **CDWMP** and **Chapter 19 Land, Soils and Geology**.	Imperceptible (adverse)	N
Impact 2: Generation and management of waste (other than excavated materials) associated with the installation of the OTI and landfall	Waste and resource management receptors	N/A	Not Significant (adverse)	None, other than that outlined within the **CDWMP**.	Imperceptible (adverse)	N
Decommissioning						
Impact 1: Generation and management of excavated materials	Waste and resource management receptors	The corresponding potential impacts resulting from decommissioning are considered to be equivalent to or lesser in nature than those considered for construction activities, which have been assessed as **not significant.**				N
Impact 2: Generation and management of waste (other than excavated materials) associated with the decommissioning of the OTI and landfall	Waste and resource management receptors					N
Chapter 32 Risk of Major Accidents and Disasters						
Construction, Operations and maintenance, and Decommissioning Phases						
Potential environmental impacts on risk of major accidents and disasters from the construction, O&M and decommissioning phases of the CWP Project.	N/A	**Chapter 32 Risk of Major Accidents and Disasters** of the EIAR has assessed the potential environmental impacts on risk of major accidents and disasters from the construction, O&M and decommissioning phases of the CWP Project. Error! Reference source not found. **of Chapter 32 Risk of Major Accidents and Disasters** confirms the significance of any residual effects following the application of additional mitigation measures. Following the assessment with additional mitigation measures, it was concluded that there will not be any significant environmental effects arising from the risk of major accidents and / or natural disasters.				N

ANNEX A SLVIA ASSESSMENT SUMMARY

Table 15-23 Summary of potential impacts and residual effects (Seascape)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
Seascape								
Construction / decommissioning								
Impact 1: Direct / indirect temporary impacts on seascape / landscape / townscape / national designated landscapes and visual receptors v during construction. **Impact 1:** Direct / indirect temporary impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during	RSCA 13	Medium	Medium Large Short term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	RSCA 14	Medium	Medium Large Short term Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	RSCA 15	High–Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	RSCA 16	Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
decommissioning								
Impact 2: Direct / indirect temporary night-time impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during construction. **Impact 2:** Direct / indirect temporary night-time impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during decommissioning .	RSCA 13	Medium	Low Medium Short term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	RSCA 14	Medium	Medium–Low Medium Short term Intermediate	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	RSCA 15	High–Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	RSCA 16	Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
Operation / Maintenance								
Impact 1: Direct/ indirect long-term, although reversible impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during operation / maintenance	RSCA 13	Medium	Medium Medium Long term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	RSCA 14	Medium	High Large Long term Intermediate	Significant (significant)	High	Significant (significant)	Embedded	Significant (significant)
	RSCA 15	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	RSCA 16	Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
Impact 2: Direct / indirect long-term, although reversible night-time impacts on	RSCA 13	Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
seascape / landscape / townscape / national designated landscapes and visual receptors during operation / maintenance	RSCA 14	Medium	Medium–Low Medium-Small Long term Localised	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	RSCA 15	High–Medium	Low–Negligible Small–Negligible Long term localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	RSCA 16	Medium	Low–Negligible Small–Negligible Long term localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

653. In **Table 15-24**, where the baseline and environmental effects are the same, LCAs / TCAs have been grouped for ease of presentation.

Table 15-24 Summary of potential impacts and residual effects (landscape and townscape character)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
Visual amenity – sequential routes								
Construction / decommissioning								
Impact 1: Direct / indirect temporary impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during construction.	**Fingal County Council Landscape Character Types and Areas**							
	LCT 1 Coastal							
	LCA 1a Rush LCA 1b Portrane LCA 1c Porthmarnock	High–Medium	Negligible Negligible Short term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA1d Howth LCA1e Ireland's Eye	High	Low-Negligible Medium–Small Short term Intermediate	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight-Not Significant (**not significant**)
Impact 1: Direct / indirect temporary	LCA1f Lambay Island	High–Medium	Negligible Small Short term	Not Significant (**not**	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not**

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during decommissioning			Intermediate or Wide	**significant**)				**significant**)
	LCT 2 Estuary							
	LCA 2a Rogerstown LCA 2b Swords / Mlahide LCA 2c Balydole	High–Medium	Negligible Negligible Short term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCT 3 High-lying agricultural land							
	LCT 3 High lying agricultural land	High–Medium	Negligible Negligible Short term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCT 4 Low-lying agricultural land							
	LCA 4a Dublin airport LCA 4b Lusk	Medium–Low	Negligible Negligible Short term Intermediate	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	LCT 5 Rolling hills with tree belts							

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LCA 5 Rolling hills with tree belts	High–Medium	Negligible Negligible Short term Intermediate/ localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCT 6 River Valleys / Canals							
	LCA4a Tolka and Liffey Valleys	High–Medium	Negligible Negligible Short term Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Dublin Townscape Character Assessment							
	TCA 2 Dublin Docklands	Low	Negligible Small Short term Limited	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	TCA 6 North Bull Island	High	Low–Negligible Medium–Small Short term Intermediate	Slight–Not significant (**not significant**)	Low - Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	TCA 7 Poolbeg Peninsula	Low	Low–Negligible Medium–Small Short term Intermediate	Not significant (**not significant**)	Low - Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	TCA 8 Sandymount	High–medium	Low–Negligible Medium–Small Short term Intermediate	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	TCA 12 St Anne's Park	High–medium	Negligible Negligible Short term Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	South Dublin Landscape Character Assessment							
	LCA Dodder and Glensamole	High–medium	Negligible Small Short term Localised / Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Dun Laoghaire Landscape Character Areas							

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LCA 5. Kiltiernan Plain LCA	High–medium	Negligible Small Short term Intermediate / Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 6. Ballycorus	Medium	Negligible Small Short term Intermediate / Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 7. Glencullen Valley	High–medium	Negligible Small Short term Intermediate / Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 8 Glendoo Valley	High–medium	Negligible Small Short term Intermediate / Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 9 Barnacullia	Medium	Negligible Small Short term	Not Significant	Negligible	Not Significant (**not significant**)	Embedded	Not Significant

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Intermediate	(**not significant**)				(**not significant**)
	LCA 10 Rathmichael	Medium	Medium–Low Medium Short term Wide/ Intermediate	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCA 11 Ballyman	Medium	Medium–Low Medium Short term Intermediate	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCA 12 Shanganagh	Medium	Medium–Low Medium Short term Intermediate	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCA 13 Carrickmines	Medium-Low	Negligible Small Short term Limited	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LCA 14 Cherrywood / Rathmichael	Medium–Low	Negligible Small Short term Intermediate	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	Dun Laoghaire Townscape Character Areas							
	TCA 2 Dun Laoghaire / Monkstown	High–medium	Low–Negligible Medium–small Short term Intermediate	Not Significant (**not significant**)	Low–Negligible	Not significant (**not significant**)	Embedded	Not Significant (**not significant**)
	TCA 4 Dalkey	High–medium	Low Medium Short term Limited	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	TCA 5 Dalkey Island	High–medium	Medium Medium Short term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	TCA 6 Killiney Bay TCA 7 Shankill	High–medium	Low Medium Short term	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Localised					
	TCA 8 Loughlinstown Commons / Ballybrack TCA 10 Woodside / Ballyogan	Medium–Low	Negligible Small Short term Localised	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	TCA 9 Carrick Mines Wood	Medium–Low	Negligible Small Short term Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Wicklow Landscape Categories and Landscape Areas							
	LC 1 Mountain and Lakeshore AONB							
	LA 1a The Mountain Uplands	High–Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LA 1c The Bray Mountain Group	High–Medium	Medium–Low	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Medium–Small Short term Intermediate					
	LA 1d The North Eastern Valley	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LC 2 Coastal Area AONB							
	LA 2a The Northern Coastal Area	High–Medium	Medium Medium Short term Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	LA 2b Southern Coastal Area	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LC 3 Areas of High Amenity							

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LA 3a North Eastern Mountain Lowlands	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LA 3b South East Mountain Lowlands	High–Medium	Medium–Low Medium-small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LA 3C Southern Hills	High–Medium	Low–Negligible Medium–small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LC 4 Corridor Area							
	LA 4a NR11	Medium–Low	Low–Negligible Medium–Small Short term	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Localised					
	LC 5 Rolling Lowland Areas 1–6							
	LC 5 Lowlands–Rolling Lowland Areas 1–6	Medium–Low	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LC 6 Urban Areas							
	TCA 6a Greystones 6d Wicklow	High–Medium	Medium–Low Medium–small Short term Intermediate	Moderate–Slight (**not significant**)	Medium-Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	TCA 6b Kilcoole TCA 6c Newcastle	Medium–Low	Medium–Low Medium-small Short term Intermediate	Slight (**not significant**)	Medium-Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	TCA 6l Arklow TCA 6v Bray	High–Medium	Low–Negligible Medium-small Short term Localised	Not Significant (**not significant**)	Low - Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Wexford Landscape Character Assessment and Landscape Character Units							
	LCU 1 Uplands	High–medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCU 2 Lowlands	High–medium	Low–Negligible Medium–Small Short term Intermediate / Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCU 4 Coastal	High–medium	Low–Negligible Medium–Small	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Short term Localised					
	LCU 5 Distinctive LCU							
	LCU 5a Kilmichael Point	High–medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCU 5b Ask Hill LCU 5c Tara Hill LCU 5d Ballyminaun Hill	High–medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
Impact 2: Direct / indirect temporary nighttime impacts on seascape / landscape/ townscape /	**Fingal County Council Landscape Character Types and Areas**							
	LCT 1 Coastal							
	LCA 1a Rush LCA 1b Portrane LCA 1c Porthmarnock	High–Medium	Negligible Negligible Short term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
national designated landscapes and visual receptors during construction **Impact 2**: Direct / indirect temporary night-time impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during decommissioning	LCA 1d Howth LCA 1e Ireland's Eye	High	Low–Negligible Medium–Small Short term Intermediate	Slight-Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight-Not Significant (**not significant**)
	LCA 1f Lambay Island	High–Medium	Negligible Small Short term Intermediate or Wide	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCT 2 Estuary							
	LCT 2a Rogerstown LCT 2b Swords / Mlahide LCT 2c Balydole	High–Medium	Negligible Negligible Short term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCT 3 High lying agricultural land							
	LCT 3 High lying agricultural land	High–Medium	Negligible Negligible Short term	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Intermediate					
	LCT 4 Low lying agricultural land							
	LCA 4a Dublin airport LCA 4b Lusk	Medium–Low	Negligible Negligible Short term Intermediate	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	LCT 5 Rolling hills with tree belts							
	LCT 5 Rolling hills with tree belts	High–Medium	Negligible Negligible Short term Intermediate/ localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	6 River Valleys / Canals LCT							
	LCA 6a Tolka and Liffey Valleys	High-–Medium	Negligible Negligible Short term Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Dublin Townscape Character Assessment							
	TCA 2 Dublin Docklands	Low	Negligible Small Short term	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Limited					
	TCA 6 North Bull Island	High	Low–Negligible Medium–Small Short term Intermediate	Slight–Not significant (**not significant**)	Low–Negligible	Slight–Not significant (**not significant**)	Embedded	Slight–Not significant (**not significant**)
	TCA 7 Poolbeg Peninsula	Low	Low–Negligible Medium-small Short term Intermediate	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	TCA 8 Sandymount	High–medium	Low–Negligible Medium-small Short term Intermediate	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	TCA 12 St Anne Park	High–medium	Negligible Negligible Short term Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	South Dublin Landscape Character Assessment							
	Dodder and Glensamole LCA	High–medium	Negligible Small Short term Localised / limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Dun Laoghaire Landscape Character Areas							
	LCA 5. Kiltiernan Plain	High–medium	Negligible Small Short term Intermediate / Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 6. Ballycorus	Medium	Negligible Small Short term Intermediate / Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 7. Glencullen Valley	High–medium	Negligible Small Short term Intermediate / Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LCA 8. Glendoo Valley	High–medium	Negligible Small Short term Intermediate / Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 9. Barnacullia	Medium	Negligible Small Short term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 10. Rathmichael	Medium	Medium–Low Medium Short term Wide/ Intermediate	Slight (**not significant**)	Medium-Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCA 11. Ballyman	Medium	Medium–Low Medium Short term Intermediate	Slight (**not significant**)	Medium-Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCA 12. Shanganagh	Medium	Medium–Low Medium	Slight (**not significant**)	Medium-Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Short term Intermediate					
	LCA 13 Carrickmines	Medium–Low	Negligible Small Short term Limited	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	CA 14 Cherrywood / Rathmichael	Medium–Low	Negligible Small Short term Intermediate	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	Dun Laoghaire Townscape Character Areas							
	TCA 2 Dun Laoghaire / Monkstown	High–Medium	Low–Negligible Medium-small Short term Intermediate	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	TCA 4 Dalkey	High–Medium	Low Medium Short term Limited	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	TCA 5 Dalkey Island	High–Medium	Medium Medium Short term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	TCA 6 Killiney Bay TCA 7 Shankill	High–Medium	Low Medium Short term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	TCA 8 Loughlinstown Commons / Ballybrack TCA 10 Woodside / Ballyogan	Medium–Low	Negligible Small Short term Localised	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	TCA 9 Carrick Mines Wood	Medium–Low	Negligible Small Short term Limited	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	Wicklow Landscape Categories and Landscape Areas							
	LC 1 Mountain and Lakeshore AONB							

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LA1a The Mountain Uplands	High–Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LA 1c The Bray Mountain Group	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LA1d The North Eastern Valley	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LC 2 Coastal Area AONB							
	LA 2a The Northern Coastal Area	High–Medium	Medium Medium Short term Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LA 2b Southern Coastal Area	High–Medium	Medium–Low Medium-small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LC 3 Areas of High Amenity							
	LA 3a North Eastern Mountain Lowlands	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LA 3b South East Mountain Lowlands	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LA 3c Southern Hills	High–Medium	Low–Negligible Medium–Small Short term	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Localised					
	Corridor Area							
	LA 4a NR11	Medium–Low	Low–Negligible Medium–mall Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LC 5 Lowlands–Rolling Lowland Areas 1–6							
	LC 5 Lowlands–Rolling Lowland Areas 1–6	Medium–Low	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	6 Urban Areas							
	TCA 6a Greystones TCA 6d Wicklow TCA	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	TCA 6b Kilcoole TCA 6c Newcastle	Medium–Low	Medium–Low Medium–Small Short term Intermediate	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	TCA 6l Arklow TCA 6v Bray	High–Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Wexford Landscape Character Assessment and Landscape Character Units							
	LCU 1 Uplands LCU	High–Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCU 2 Lowlands	High–Medium	Negligible Small Short term	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Intermediate / Localised					
	LCU 4 Coastal	High–Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCU 5 Distinctive							
	LCU 5a Kilmichael Point	High–Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCU 5b Ask Hill LCU 5c Tara Hill LCU 5d Ballyminaun Hill	High–medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
Operation / Maintenance								
Impact 1: Direct/ indirect long-term, although reversible impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during operation / maintenance	**Fingal County Council Landscape Character Types and Areas**							
	LCT 1 Coastal							
	LCA 1a Rush LCA1b Portrane LCA1c Porthmarnock	High–Medium	Negligible Negligible Long term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA1d Howth LCA 1e Ireland's Eye	High	Low Small Long term Intermediate or Wide	Moderate–Slight (**not significant**)	Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LCA1f Lambay Island	High–Medium	Low Small Long term Intermediate or Wide	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCT 2 Estuary							
	LCA 2a Rogerstown LCA2 b	High–Medium	Negligible Negligible Long term	Not Significant	Negligible	Not Significant (**not significant**)	Embedded	Not Significant

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Swords / Malahide LCA 2c Balydole		Intermediate	(**not significant**)				(**not significant**)
	LCT 3 High-lying agricultural land							
	LCT 3 High lying agricultural land	High–Medium	Negligible Negligible Long term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCT 4 Low-lying agricultural land							
	LCA 4a Dublin airport LCA 4b Lusk	Medium–Low	Negligible Negligible Long term Intermediate	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	LCT 5 Rolling hills with tree belts							
	LCT 5 Rolling hills with tree belts	High–Medium	Negligible Negligible Long term Intermediate / Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCT 6 River Valleys / Canals							

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LCT 6a Tolka and Liffey Valleys	High-Medium	Negligible Negligible Long term Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Dublin Townscape Character Areas							
	TCA 2 Dublin Docklands	Low	Negligible Small Long term Limited	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	TCA 6 North Bull Island	High	Low Small Long term Intermediate	Moderate–Slight (**not significant**)	Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	TCA 7 Poolbeg Peninsula	Low	Low Small Long term Localised	Not Significant (**not significant**)	Low	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	TCA 8 Sandymount	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	TCA 10 St Anne's Park	High–medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	South Dublin Landscape Character Assessment							
	LCA Dodder and Glensamole	High–medium	Negligible Small Long term Localised / Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Dun Laoghaire Landscape Character Areas and Townscape Character Areas							
	LCA 5. Kiltiernan Plain	High–medium	Low Small Long term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCA 6. Ballycorus	Medium	Low Small Long term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LCA 7. Glencullen Valley	High–Medium	Low Small Long term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCA 8. Glendoo Valley	High–Medium	Low Small Long term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCA 9. Barnacullia	Medium	Low - Negligible Small-negligible Long term Intermediate	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 10. Rathmichael	Medium	Medium Medium Long term Wide / intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LCA 11. Ballyman	Medium	Medium Medium Long term intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	LCA 12. Shanganagh	Medium	Medium Medium Long term wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	LCA 13 Carrickmines	Medium–Low	Negligible Small negligible Long term Limited	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	LCA 14 Cherrywood / Rathmichael	Medium–Low	Low–Negligible Small-negligible Long term Intermediate	Not Significant (**not significant**)	Low–Negligible	Not significant (**not significant**)	Embedded	Not significant (**not significant**)
	Dun Laoghaire Townscape Character Areas							
	TCA 2 Dun Laoghaire / Monkstown	High–medium	Low Medium	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Long term Limited					
	TCA 4 Dalkey	High–medium	Low Medium- Long term Limited	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	TCA 5 Dalkey Island	High–Medium	Medium Medium Long term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	TCA 6 Killiney Bay TCA 7 Shankill	High–Medium	Medium Medium Long term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	TCA 8 Loughlinstown Commons / Ballybrack TCA 10 Woodside / Ballyogan	Medium–Low	Low–Negligible Small–Negligible Long term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	TCA 9 Carrick Mines Wood	Medium–Low	Negligible Small–Negligible Long term Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Wicklow Landscape Categories and Landscape Areas							
	LC 1. Mountain and Lakeshore AONB							
	LA 1a The Mountain Uplands	High–Medium	Medium–Low Medium–Small Long term Localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LA1c The Bray Mountain Group	High–Medium	High–Medium Large–Medium Long term Intermediate	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)
	LA 1d The North Eastern Valley	High–Medium	Medium Medium Long term Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LC 2 Coastal Area AONB							
	LA 2a The Northern Coastal Area	High–Medium	High–Medium Large medium Long term Intermediate	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)
	LA 2b Southern Coastal Area	High–Medium	High–Medium Large–Medium Long term Intermediate	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)
	LC 3 Areas of High Amenity							
	LA 3a North Eastern Mountain Lowlands	High–Medium	Medium Medium Long term Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	LA 3b South East Mountain Lowlands	High–Medium	Medium Medium– Long term Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LA 3c Southern Hills	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LC 4 Corridor Area							
	LA 4a NR11	Medium–Low	Medium–Low Medium–Small Long term Localised	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LC 5 Rolling Lowland Areas 1–6							
	LC 5 Lowlands–Rolling Lowland Areas 1-6	Medium–Low	Low Medium–Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LC 6 Urban Areas							
	TCA 6a Greystones	High–Medium	Medium Medium–	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	TCA 6d Wicklow		Long term Intermediate					
	TCA 6b Kilcoole TCA 6c Newcastle	Medium–Low	Medium Medium–Long term Intermediate	Slight (**not significant**)	Medium	Slight (**not significant**)	Embedded	Slight (**not significant**)
	TCA 6l Arklow TCA 6v Bray	High–Medium	Low–Negligible Small Long term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Wexford Landscape Character Assessment and Landscape Character Units							
	LCU 1 Uplands	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCU 2 Lowlands	High–Medium	Medium–Low Medium–Small Long term Intermediate / Localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LCU 4 Coastal	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	5 Distinctive LCU							
	LCU 5a Kilmichael Point	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCU 5b Ask Hill LCU 5c Tara Hill LCU 5d Ballyminaun Hill	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
Impact 2: Direct / indirect long-term, although reversible night-time impacts on seascape / landscape/	**Fingal County Council Landscape Character Types and Areas**							
	LCT 1 Coastal							
	LCA1a Rush LCA1b Portrane LCA1c Porthmarnock	High–Medium	Negligible Negligible Long term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
townscape / national designated landscapes and visual receptors during operation / maintenance								
	LCA1d Howth LCA1e Ireland's Eye	High	Low-Negligible small Long term Intermediate / Wide	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	LCA1f Lambay Island	High–Medium	Low–Negligible Small – Negligible Long term Intermediate or Wide	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	2 Estuary LCT							
	LCA 2a Rogerstown LCA 2b Swords / Mlahide LCA 2c Balydole	High–Medium	Negligible Negligible Long term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LCT 3 High-lying agricultural land LCT							
	LCT 3 High-lying agricultural land	High–Medium	Negligible Negligible Long term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCT 4 Low-lying agricultural land LCT							
	LCA 4a Dublin airport LCA4b Lusk	Medium–Low	Negligible Negligible Long term Intermediate	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	5 Rolling hills with tree belts LCT							
	5 Rolling hills with tree belts	High–Medium	Negligible Negligible Long term Intermediate/ localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	6 River Valleys / Canals LCT							
	LCA 6a Tolka and Liffey Valleys	High–Medium	Negligible Negligible Long term Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Dublin Townscape Character Areas							
	TCA 2 Dublin Docklands	Low	Negligible Negligible Long term Limited	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	TCA 6 North Bull Island	High	Low–Negligible Small–Negligible Long term Intermediate	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight-Not significant (**not significant**)
	TCA 7 Poolbeg Peninsula	Low	Low–Negligible Small–Negligible Long term Localised / Limited	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	TCA 8 Sandymount	High–Medium	Low–Negligible Small–Negligible Long term	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Localised / Limited					
	TCA 10 St Anne's Park	High–medium	Low–Negligible Small–Negligible Long term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	South Dublin Landscape Character Assessment							
	LCA Dodder and Glensamole	High–Medium	Negligible Negligible Long term Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Dun Laoghaire Landscape Character Areas and Townscape Character Areas							
	LCA 5. Kiltiernan Plain	High–Medium	Negligible Negligible Long term Localised/ Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 6. Ballycorus	Medium	Negligible Small Long term	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Intermediate / Localised					
	LCA 7. Glencullen Valley	High–Medium	Negligible Small Long term Intermediate / Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 8. Glendoo Valley	High–Medium	Negligible Small Long term Intermediate / localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 9. Barnacullia	Medium	Negligible Negligible Long term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCA 10. Rathmichael	Medium	Low Small Long term Wide / intermediate	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCA 11. Ballyman	Medium	Low Small	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Long term intermediate					
	LCA 12. Shanganagh	Medium	Low Small Long term wide	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCA 13 Carrickmines	Medium–Low	Negligible Negligible Long term Limited	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	LCA 14 Cherrywood / Rathmichael	Medium–Low	Negligible Negligible Long term Intermediate	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	Dun Laoghaire Townscape Character Areas							
	TCA 2 Dun Laoghaire / Monkstown	High–Medium	Negligible Small Long term Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	TCA 4 Dalkey	High–Medium	Negligible Small Long term	Not Significant	Negligible	Not Significant (**not significant**)	Embedded	Not Significant

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Limited	(**not significant**)				(**not significant**)
	TCA 5 Dalkey Island	High–Medium	Low Small Long term Wide	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	TCA 6 Kiliney Bay TCA 7 Shankill	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	TCA 8 Loughlinstown Commons / Ballybrack TCA 10 Woodside / Ballyogan	Medium–Low	Negligible Negligible Long term Localised	Imperceptible (**not significant**)	Negligible	Imperceptible (**not significant**)	Embedded	Imperceptible (**not significant**)
	TCA 9 Carrick Mines Wood	Medium–Low	Negligible Negligible Long term Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Wicklow Landscape Categories and Landscape Areas							
	LC 1.Mountain and Lakeshore AONB							

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	LA 1a The Mountain Uplands	High–Medium	Low–Negligible Small Long term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LA 1c The Bray Mountain Group	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LA1d The North Eastern Valley	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LC 2 Coastal Area AONB							
	LA 2a The Northern Coastal Area	High–Medium	Medium–Low Medium–Small Long term	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Intermediate					
	LA 2b Southern Coastal Area	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LC 3 Areas of High Amenity							
	LA 3a North Eastern Mountain Lowlands	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LA 3b South East Mountain Lowlands	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	LA 3c Southern Hills	High–Medium	Low Small Long term	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Localised					
	LC Corridor Area							
	LA 4a NR11	Medium–Low	Low Small Long term Localised	Slight (Not significant)	Low	Slight (Not significant)	Embedded	Slight (Not significant)
	LC Rolling Lowland Areas 1–6							
	LC Lowlands–Rolling Lowland Areas 1–6	Medium–Low	Low–Negligible Small–Negligible Long term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LC 6 Urban Areas							
	TCA 6a Greystones TCA 6d Wicklow	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	TCA 6b Kilcoole	Medium–Low	Medium–Low	Slight (Not significant)	Medium–Low	Slight (Not significant)	Embedded	Slight (Not significant)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	TCA 6c Newcastle		Medium–Small Long term Localised					
	TCA 6l Arklow TCA 6v Bray	High–Medium	Negligible Negligible Long term Limited	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Wexford Landscape Character Assessment and Landscape Character Units							
	LCU 1 Uplands	High–Medium	Low–Negligible Small–Negligible Long term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCU 2 Lowlands	High–Medium	Low Small Long term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	LCU 4 Coastal	High–Medium	Low–Negligible	Not Significant	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Small–Negligible Long term Localised	(**not significant**)				(**not significant**)
	LCU 5 Distinctive							
	LCU 5a Kilmichael Point	High–Medium	Low–Negligible Small–Negligible Long term Localised / Limited	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	LCU 5b Ask Hill LCU 5c Tara Hill LCU 5d Ballyminaun Hill	High–Medium	Low–Negligible Small–Negligible Long term Localised / Limited	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Table 15-25 Summary of potential impacts and residual effects (National Designated Landscape)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
National Designated Landscapes								
Construction / decommissioning								
Impact 1: Direct / indirect temporary impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during construction.	Howth SAA (Landscape)	High	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Howth SAA (Visual)	High	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
Impact 1: Direct / indirect temporary impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during	North Bull Island (Landscape)	High	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	North Bull Island (Visual)	High	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
construction	Bray Head (Landscape)	High	Medium–Low Medium Short term Intermediate	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Bray Head (Visual)	High	Medium–Low Medium Short term Intermediate	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
Impact 2: Direct / indirect temporary night-time impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during construction. Impact 2: Direct / indirect temporary night-time impacts on seascape / landscape/	Howth SAA (Landscape)	High	Low–Negligible Medium–Small Short term Intermediate/Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Howth SAA (Visual)	High	Low–Negligible Medium–Small Short term Intermediate/Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	North Bull Island (Landscape)	High	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	North Bull Island	High	Low–Negligible Medium–Small	Slight–Not Significant	Low–Negligible	Slight–Not Significant	Embedded	Slight–Not Significant

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
townscape / national designated landscapes and visual receptors during decommissioning.	(Visual)		Short term Intermediate / Localised	(**not significant**)		(**not significant**)		(**not significant**)
	Bray Head (Landscape)	High	Medium–Low Medium Short term Intermediate	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Bray Head (Visual)	High	Medium–Low Medium Short term Intermediate	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
Operation / Maintenance								
Impact 1: Direct / indirect long-term, although reversible impacts on seascape / landscape/ townscape / national designated landscapes and	Howth SAA (Landscape)	High	Low Small Long term Intermediate / Localised	Moderate–Slight Significant (**not significant**)	Low	Moderate–Slight Significant (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Howth SAA (Visual)	High	Medium–Low Medium–Small Long term Localised	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
visual receptors during operation / maintenance	North Bull Island (Landscape)	High	Low Small Long term Intermediate / Localised	Moderate–Slight Significant (**not significant**)	Low	Moderate–Slight Significant (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	North Bull Island (Visual)	High	Medium–Low Medium–Small Long term Localised	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Bray Head (Landscape)	High	High–Medium Large–medium Long term Intermediate	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)
	Bray Head (Visual)	High	High–Medium Large–medium Long term Intermediate	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)
Impact 2: Direct / indirect long-term, although reversible night-time impacts on seascape / landscape/	Howth SAA	High	Low–Negligible Small–Negligible Long term Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Howth SAA (Visual)	High	Low–Negligible Small–Negligible	Slight–Not Significant	Low–Negligible	Slight–Not Significant	Embedded	Slight–Not Significant

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
townscape / national designated landscapes and visual receptors during operation / maintenance			Long term Localised	(**not significant**)		(**not significant**)		(**not significant**)
	North Bull Island (Landscape)	High	Low–Negligible Small–Negligible Long term Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	North Bull Island (Visual)	High	Low–Negligible Small–Negligible Long term Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Bray Head (Landscape)	High	Medium–Low Medium–small Long term Intermediate	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Bray Head (Visual)	High	Medium–Low Medium–small Long term Intermediate	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Table 15-26 Summary of potential impacts and residual effects (Viewpoint Assessment)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
Visual Amenity - Viewpoints								
Construction decommissioning								
Impact 1: Direct / indirect temporary impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during construction. **Impact 1**: Direct / indirect temporary impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during	Viewpoint 1: Howth AV 17–18 degrees Distance 29.2 km Sit above the horizon	High V - National S - High	Low–Negligible Medium–Small Short term Intermediate/Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Viewpoint 2: North Bull Island AV 18 degrees Distance 32 km Sit above the horizon	High V - National S - High	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Viewpoint 3: Great South Wall, Poolbeg AV 14 degrees Distance 31 km Sit above the	High–Medium V - County S - High	Low–Negligible Medium–Small Short term intermediate/localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
decommissioning.	horizon							
	Viewpoint 4: Dun Laoghaire AV 14–16 degrees Distance 31.5 km Sit above the horizon	High–Medium V - County S - High	Low–Negligible Medium–Small Short term Intermediate / Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Viewpoint 5: Killiney AV 25–26 degrees Distance 22 km Sit above the horizon	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate / localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 6: Hill at Carrickgollogan AV 24–25 degrees Distance 23 km Sit above the horizon	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate / localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 7: Bray Promenade AV approx. 27 degrees Distance 18 km Sit above the horizon	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate / localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 8: Bray Head AV approx. 38 degrees Distance 17 km Sits above the horizon	High V - County S - High	Medium–Low Medium Short term Intermediate	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 9: Great Sugar Loaf AV approx. 25–28 degrees Distance 18 km Sits below the horizon	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 10: Greystones	High–Medium	Medium Large	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	AV approx. 44 degrees Distance 15 km Sits above the horizon	V - County S - High	Short term Wide / Intermediate					
	Viewpoint 11: Kilcoole (Railway Station) AV approx. 57 degrees Distance 14 km Sits above the horizon	High–Medium V - County S - High	Medium Large Short term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 12: Six Mile Point, Newcastle AV approx. 63 degrees Distance 13 km Sits above the horizon	High–Medium V - County S - High	Medium Large Short-term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 13: Wicklow Town Av approx. 48 degrees	High–Medium V - County S - High	Medium Medium Short term	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Distance 13 km Sits above the horizon		Wide / Intermediate					
	Viewpoint 14: Djouce Mountain Av approx. 31 degrees Distance 26 km Sits below the horizon	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate / LLocalised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 15: Brockagh Mountain Av approx. 23 degrees Distance 34 km Sits below the horizon	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate / Localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 18: Brittas Bay Av approx. 30 degrees Distance 20 km Sits above the horizon	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Medium–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 19: Arklow Pier (south side) Av approx. 21 degrees Distance 30 km Seen in context with Arklow OWF Sits above the horizon	High–Medium V - County S - High	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Viewpoint 20: Kilmichael Point Av approx. 18 degrees Distance 36 km Sits above the horizon	High–Medium V - County S - High	Negligible Small Short term Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Viewpoint 21: Shankill Beach Av approx. 30 degrees Distance 20 km Sits above the horizon	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate / Localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 22: Three Rock Mountain Av approx. 25 degrees Distance 29 km Sitting above landform Sits above the horizon	High–Medium V - County S - High	Low Medium Short term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 23: Maheramore Beach Av approx. 34 degrees Distance 14 km Sits above the horizon	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate	Moderate–Slight **not significant**	Medium–Low	Moderate–Slight **not significant**	Embedded	Moderate–Slight **not significant**
	Viewpoint 24: Kilcoole Rock Av approx. 52 degrees Distance 15 km Sits above the horizon	High–Medium V - County S - High	Medium Medium Short term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 26: Greystones Beach Bear AV 15 degrees Distance 14.7 km Sits above the horizon	High–Medium V - County S - High	Medium Medium Short term Wide/ Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
Impact 2: Direct / indirect temporary nighttime impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during operation / maintenance during construction. **Impact 2**: Direct / indirect temporary nighttime impacts on seascape /	Viewpoint 1: Howth AV 17–18 degrees Distance 29.2 km	High V -- National S High	Low–Negligible Medium–Small Short term Intermediate/localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Viewpoint 2: North Bull Island AV 18 degrees Distance 32 km	High V - National S - High	Low–Negligible Medium–Small Short term Intermediate/localised	Slight (**not significant**)	Low–Negligible	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 3: Great South Wall, Poolbeg AV 14 degrees Distance 31 km	High–Medium V - County S - High	Low–Negligible Medium–Small Short term Intermediate/localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Viewpoint 4:	High–	Low–Negligible	Not	Low–	Not	Embedded	Not

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
landscape/ towns cape / national designated landscapes and visual receptors during operation / maintenance during decommissioning.	Dun Laoghaire AV 14–16 degrees Distance 31.5 km	Medium V - County S - High	Medium–Small Short term Intermediate/localised	Significant (**not significant**)	Negligible	Significant (**not significant**)		Significant (**not significant**)
	Viewpoint 5: Killiney AV 25–26 degrees Distance 22 km	High–Medium V - County S - High	Low Medium Short term Intermediate/localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 6: Hill at Carrickgollogan AV 24–25 degrees Distance 23 km	High–Medium V - County S - High	Low Medium Short term Intermediate/localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 7: Bray Promenade AV approx. 27 degrees Distance 18 km	High–Medium V - County S - High	Low Medium Short term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 8: Bray Head	High V - local / county	Medium–Low Medium Short term	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	AV approx. 38 degrees Distance 17 km	S - High	Intermediate					
	Viewpoint 9: Great Sugar Loaf AV approx 25–28 degrees Distance 18 km	High-Medium V - County S - High	Medium–Low Medium Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 10: Greystones AV approx 44 degrees Distance 15 km	High–Medium	Medium Medium Short term Wide/ Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 11: Kilcoole (Railway Station) AV approx. 57 degrees Distance 14 km	High–Medium V - County S - High	Medium Large Short term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 12: Six Mile Point, Newcastle	High–Medium V - County S - High	Medium Large Short-term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	AV approx. 63 degrees Distance 13 km							
	Viewpoint 13: Wicklow Town AV approx. 48 degrees Distance 13 km	High–Medium V - County S - High	Medium Medium Short term Wide / Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 14: Djouce Mountain AV approx. 31 degrees Distance 26 km	High–Medium V - County S - High	Low–Negligible Medium–Small Short term Intermediate/ Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Viewpoint 15: Brockagh Mountain AV approx. 23 degrees Distance 34 km (further away compared to Great Sugar Loaf and Djouce)	High–Medium V - County S - High	Low–Negligible Medium–Small Short term Intermediate / Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 18: Brittas Bay AV approx. 30 degrees Distance 20 km (further away compared to Great Sugar Loaf and Djouce)	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate	Moderate–Slight (**not significant**)	Medium-Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 19: Arklow Pier (south side) AV approx. 21 degrees Distance 30 km Seen in context with Arklow	High–Medium V - County S - High	Low–Negligible Medium-Small Short term Localised	Not Significant (**not significant**)	Low-Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Viewpoint 20: Kilmichael Point AV approx. 18 degrees Distance 36 km	High–Medium V - County S - High	Negligible Small Short term Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Viewpoint 21: Shankill Beach	High–Medium	Low Medium–	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	AV approx. 30 degrees Distance 20 km	V - County S - High	Short term Intermediate / Localised					
	Viewpoint 22: Three Rock Mountain AV approx. 25 degrees Distance 29 km Sitting above landform	High–Medium V - County S - High	Low Medium Short term Intermediate /localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 23: Maheramore Beach AV approx. 34 degrees Distance 14 km	High–Medium V - County S - High	Medium–Low Medium Short term Intermediate	Moderate–Slight (**not significant**)	Medium-Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 24: Kilcoole Rock AV approx. 52 degrees Distance 15 km	High–Medium V - County S - High	Medium Medium Short term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 26: Greystones Beach Bear AV 15 degrees Distance 14.7 km Sits above the horizon	High-Medium	Medium Medium Short term Wide/ intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
Operation / Maintenance								
Impact 1: Direct / indirect long-term, although reversible impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during operation / maintenance	Viewpoint 1: Howth AV 17–18 degrees Distance 29.2 km	High V - National S - High	Medium–Low Medium–small Long term Localised	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 2: North Bull Island AV 18 degrees Distance 32 km	High V - National S - High	Medium–Low Medium–small Long term Localised	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 3: Great South Wall, Poolbeg AV 14 degrees Distance 31 km	High–Medium V - County S - High	Medium–Low Medium–small Long term Localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 4: Dun Laoghaire AV 14–16 degrees Distance 31.5 km	High-Medium V - County S - High	Medium–Low Medium–small Long term Localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 5: Killiney AV 25–26 degrees Distance 22 km	High–Medium V - County S - High	Medium Medium Long term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 6: Hill at Carrickgollogan AV 24–25 Distance 2 3km	High–Medium V - County S - High	Medium Medium Long term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 7: Bray Promenade AV approx. 27 degrees Distance 18 km	High–Medium V - County S - High	Medium Medium Long term intermediate Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 8: Bray Head	High V - Local /	High–Medium Large–medium	Significant (**significant**)	High	Significant (**significant**)	Embedded	Significant (**significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	AV approx. 38 degrees Distance 17 km Tipping point - distance	County S - High	Long term Intermediate					
	Viewpoint 9: Great Sugar Loaf AV approx. 25–28 degrees Distance 18 km	High–Medium V - County S - High	High–Medium Large-medium Long term Intermediate	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)
	Viewpoint 10: Greystones AV approx. 44 degrees Distance 15 km	High–Medium V - County S - High	High Large Long term Intermediate	Very Significant (**significant**)	High	Very Significant (**significant**)	Embedded	Very Significant (**significant**)
	Viewpoint 11: Kilcoole (Railway Station) AV approx. 57 degrees Distance 14 km	High–Medium V - County S - High	High Large Long term Wide	Very Significant (**significant**)	High	Very Significant (**significant**)	Embedded	Very Significant (**significant**)
	Viewpoint 12: Six Mile Point, Newcastle	High–Medium	High Large	Very Significant (**significant**)	High	Very Significant (**significant**)	Embedded	Very Significant (**significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	AV approx. 63 degrees Distance 13 km		Long term Wide					
	Viewpoint 13: Wicklow Town AV approx. 48 degrees Distance 13 km	High–Medium V - County S - High	High–Medium Large–medium Long term intermediate	Significant (**significant**)	High-Medium	Significant (**significant**)	Embedded	Significant (**significant**)
	Viewpoint 14: Djouce Mountain AV approx. 30 degrees Distance 27 km (further away compared to Great Sugar Loaf)	High–Medium V - County S - High	Medium Medium Long term Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 15: Brockagh Mountain AV approx. 23 degrees Distance 34 km	High–Medium V - County S - High	Medium Medium Long term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Skyline interrupt horizon							
	Viewpoint 18: Brittas Bay AV approx. 30 degrees Distance 20 km Seen in context with Arklow WF	High–Medium V - County S - High	Medium Medium Long term Intermittent / Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 19: Arklow Pier (south side) AV approx. 21 degrees Distance 30 km Seen in context with Arklow WF	High–Medium V - County S - High	Medium–Low Medium–Small Long term Localised	Moderate–Slight (**not significant**)	Medium-Low	Moderate–Slight **not significant**	Embedded	Moderate–Slight **not significant**
	Viewpoint 20: Kilmichael Point AV approx. 18 degrees Distance 36 km See in context with Arklow WF	High–Medium V - County S - High	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 21: Shankill Beach AV approx. 30 degrees Distance 20 km	High–Medium V - County S - High	Medium Medium Long term intermediate Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate- (**not significant**)
	Viewpoint 22: Three Rock Mountain AV approx. 25 degrees Distance 29 km Sitting above landform	High–Medium V - County S - High	Medium Medium Long term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Viewpoint 23: Maheramore Beach AV approx. 34 degrees Distance 14 km	High–Medium V - County S - High	High–Medium Large–Medium Long term Intermittent/ Localised	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)
	Viewpoint 24: Kilcoole Rock AV approx. 52 degrees Distance 15 km	High–Medium V - County S - High	High Large Long term Wide	Very Significant (**significant**)	High	Very Significant (**significant**)	Embedded	Very Significant (**significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 26: Greystones Beach Bear AV 15 degrees Distance 14.7 km Sits above the horizon	High–Medium V - County S - High	High Large Long term Intermediate	Very Significant (**significant**)	High	Significant (**significant**)	Embedded	Very Significant (**significant**)
Impact 2: Direct / indirect long-term, although reversible night-time impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during operation / maintenance .	Viewpoint 1: Howth AV 17–18 degrees Distance 29.2 km	High V - National S - High	Low–Negligible Small Long term Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Viewpoint 2: North Bull Island AV 18 degrees Distance 32 km	High V - National S - High	Low–Negligible Small Long term Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Viewpoint 3: Great South Wall, Poolbeg Av 14 degrees Distance 31 km	High–Medium V - County S - High	Low–Negligible Small Long term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Viewpoint 4:	High–	Low–Negligible	Not	Low–	Not	Embedded	Not

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Dun Laoghaire AV 14–16 degrees Distance 31.5 km	Medium V - County S - High	Small Long term Localised	Significant (**not significant**)	Negligible	Significant (**not significant**)		Significant (**not significant**)
	Viewpoint 5: Killiney AV 26 degrees Distance 22 km	High–Medium V - County S - High	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 6: Hill at Carrickgollogan AV 24–25 Distance 23km	High–Medium V - County S - High	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 7: Bray Promenade AV approx. 27 degrees Distance 18 km	High–Medium V - County S - High	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 8: Bray Head AV approx. 38 degrees	High V - County S - High	Medium–Low Medium–Small Long term Intermediate	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Distance 17 km							
	Viewpoint 9: Great Sugar Loaf AV approx. 25–28 degrees Distance 18 km	High–Medium V - County S - High	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 10: Greystones AV approx. 44 degrees Distance 15 km	High–Medium V - County S - High	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 11: Kilcoole (Railway Station) AV approx. 57 degrees Distance 14 km	High–Medium V - County S - High	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight **not significant**	Embedded	Moderate–Slight **not significant**
	Viewpoint 12: Six Mile Point, Newcastle AV approx. 63 degrees Distance 13 km	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight **not significant**	Embedded	Moderate–Slight **not significant**

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 13: Wicklow Town AV approx. 48 degrees Distance 13 km	High–Medium V - County S - High	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight **not significant**	Embedded	Moderate–Slight **not significant**
	Viewpoint 14: Djouce Mountain AV approx. 31 degrees Distance 26 km	High–Medium V - County S - High	Low Small Long term Intermediate	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 15: Brockagh Mountain AV approx. 23 degrees Distance 34 km (further away compared to Great Sugar Loaf)	High–Medium V - County S - High	Low Small Long-term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 18: Brittas Bay AV approx. 30 degrees Distance 20 km	High–Medium V - County S - High	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight **not significant**	Embedded	Moderate–Slight **not significant**

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 19: Arklow Pier (south side) AV approx. 21 degrees Distance 30 km Seen in context with Arklow	High–Medium V - County S - High	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 20: Kilmichael Point AV approx. 18 degrees Distance 36 km Lower than viewpoints given distance Seen in context with Arlow WF	High–Medium V - County S - High	Low Small long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 21: Shankill Beach AV approx. 30 degrees Distance 20 km	High–Medium V - County S - High	Low Small Long term Intermediate	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Viewpoint 22: Three Rock Mountain AV approx. 25 degrees Distance 29 km Sitting above landform	High–Medium V - County S - High	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Viewpoint 23: Maheramore Beach AV approx. 34 degrees Distance 14 km	High–Medium V - County S - High	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight **not significant**	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Viewpoint 24: Kilcoole Rock AV approx. 52 degrees Distance 15 km	High–Medium V - County S - High	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight **not significant**	Embedded	Moderate–Slight **not significant**
	Viewpoint 26: Greystones Beach Bear AV 15 degrees Distance 14.7 km	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Sits above the horizon							

Table 15-27 Summary of potential impacts and residual effects (Main (Named Settlements))

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
Visual Amenity - Settlements								
Construction / decommissioning								
Impact 1: Direct / indirect temporary impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during construction. **Impact 1**: Direct / indirect temporary impacts on seascape / landscape / townscape / national designated	Dublin	High–Medium	Low–Negligible Medium–Small Short term Intermediate / Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Dun Laoghaire	High–Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Killiney	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Bray	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
landscapes and visual receptors during decommissioning.	Greystones	High–Medium	Medium Medium Short term Wide / intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Kilcoole	High–Medium	Medium Medium Short term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Newtown Mount Kennedy	High–Medium	Negligible Negligible Short term Wide	Not significant (**not significant**)	Negligible	Not significant (**not significant**)	Embedded	Not significant (**not significant**)
	Newcastle	High–Medium	Negligible Small Short term Wide	Not significant (**not significant**)	Negligible	Not significant (**not significant**)	Embedded	Not significant (**not significant**)
	Wicklow	High–Medium	Medium Medium Short term Intermediate / Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Arklow	High–Medium	Low–Negligible Medium–Small Short term	Not significant	Low–Negligible	Not significant	Embedded	Not significant

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Localised	(**not significant**)		(**not significant**)		(**not significant**)
Impact 2: Direct / indirect temporary night-time impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during construction. **Impact 2**: Direct / indirect temporary night-time impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during	Dublin	HighMedium	Low–Negligible Medium–Small Short-term Intermediate/localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Dun Laoghaire	High–Medium	Low–Negligible Medium–Small Short-term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Killiney	High–Medium	Low Medium Short term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Bray	High–Medium	Low Medium Short term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Greystones	High–Medium	Medium Medium Short term	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
decommissioning			Wide / Intermediate					
	Kilcoole	High–Medium	Medium Medium Short term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Newtown Mount Kennedy	High–Medium	Negligible Negligible Short term Intermediate	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Newcastle	High–Medium	Negligible Small Short term Wide	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Wicklow	High–Medium	Medium Medium Short term Intermediate / Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Arklow	High–Medium	Low–Negligible Medium Short term Localised	Not Significant (**not significant**)	Low–Negilgible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
Operation / Maintenance								

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
Impact 1: Direct/ indirect long-term, although reversible impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during operation / maintenance	Dublin	High–Medium	Medium–Low Medium–Small Long-term Localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Dun Laoghaire	High–Medium	Medium–Low Medium–Small Long-term Localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Killiney	High–Medium	Medium Medium Long term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Bray	High–Medium	Medium Medium Long term Localised / Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Greystones	High–Medium	High Large Long-term Wide	Very Significant (**significant**)	High	Very Significant (**significant**)	Embedded	Very Significant (**significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Kilcoole	High–Medium	High Large Long term Wide	Very Significant (**significant**)	High	Very Significant (**significant**)	Embedded	Very Significant (**significant**)
	Newtown Mount Kennedy	High–Medium	Low Small–Negligible Long term Wide	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Newcastle	High–Medium	Low Small–Negligible Long term Wide	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Wicklow	High–Medium	High–Medium Large–Medium Long term Intermediate	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)
	Arklow	High–Medium	Medium–Low Medium–Small Long term Localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate-Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
Impact 2: Direct / indirect long term though reversible	Dublin	High–Medium	Low–Negligible Small Long-term	Not Significant	Low–Negligible	Not Significant	Embedded	Not Significant

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
night-time impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during operation / maintenance			Localised	(**not significant**)		(**not significant**)		(**not significant**)
	Dun Laoghaire	High–Medium	Low–Negligible Small Long term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Killiney	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Bray	High–Medium	Low Small Long term Intermediate	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Greystones	High–Medium	Medium–Low Medium–Small Long term Wide	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Kilcoole	High–Medium	Medium–Low Medium–Small Long term Wide	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Newtown Mount Kennedy	High–Medium	Negligible Negligible Long term Wide	Not significant (**not significant**)	Negligible	Not significant (**not significant**)	Embedded	Not significant (**not significant**)
	Newcastle	High–Medium	Low Small–Negligible Long term Wide	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Wicklow	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium-Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Arklow	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Table 15-28 Summary of potential impacts and residual effects (Sequential Key Routes)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
Visual Amenity – Sequential Routes								
Construction / decommissioning								
Impact 1: Direct / indirect temporary impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during construction. **Impact 1**: Direct / indirect temporary impacts on views / seascape / landscape /	Key roads							
	R105	High–medium (Medium as well)	Low–Negligible Medium–Small Short term Limited	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	R807	Medium–Low	Negligible Small Short term Limited	Imperceptible (**Not significant**)	Negligible	Imperceptible (**Not significant**)	Embedded	Imperceptible (**Not significant**)
	R131	Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	R119	Medium	Medium–Low Medium	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
townscape and national designated landscapes during decommissioning.			Short term Intermediate					
	R761	Medium	Low–Negligible Medium–Small Short term Intermediate / localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**	Embedded	Not Significant (**not significant**
	M11/N11	Medium	Low–Negligible Medium–Small Short term Intermediate / Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	R750	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Railway Lines							

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	DART / Dublin to Rosslare	Medium	Medium–Low Medium–Small Short term Intermediate	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Shipping / ferry/ recreational routes							
	Northern approach	Medium (also Medium–Low)	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Southern approach	Medium (also Medium–Low)	Medium–Low Medium Short term Intermediate	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Key walking routes							
	Howth Head Loop	High	Low–Negligible Medium–Small Short term Intermediate /localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**	Embedded	Slight–Not Significant (**not significant**

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	North Bull Wall	High	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**	Embedded	Slight–Not Significant (**not significant**
	Great South Wall	High–medium	Low–Negligible Medium–Small Short term Intermediate / Localised	Not Significant (**not significant**)	Low–Negligible	Not significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Bray-Greystones Cliff Walk	High–medium	Medium Medium Short term Wide / Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Greystones to Wicklow Trail	High–medium	Medium Medium Short term Wide / Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	The Wicklow Way	High–Medium	Low Medium Short term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
Impact 2: Direct / indirect temporary night-time impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during construction. **Impact 2**: Direct / indirect temporary night-time impacts on	Key Roads							
	R105	High–Medium	Low–Negligible Medium–Small Short term Limited	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	R807	Medium–Low	Negligible Small Short term Limited	Imperceptible (**not significant**)	Negligible	Imperceptible (Not significant)	Embedded	Imperceptible (**not significant**)
	R131	Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	R119	Medium	Medium–Low	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
seascape / landscape / townscapes / national designated landscapes and visual receptors during decommissioning			Medium Short term Intermediate					
	R761	Medium	Low–Negligible Medium–Small Short term Intermediate / Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	M11/N11	Medium	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	R750	High–Medium	Medium–Low Medium–Small Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Railway Lines							

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	DART / Dublin to Rosslare	Medium	Medium–Low Medium–Small Short term Intermediate	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Shipping / ferry / recreational routes							
	Northern approach	Medium (also Medium–Low)	Low–Negligible Medium–Small Short term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Southern approach	Medium (also Medium–Low)	Medium–Low Medium–Small Short term Intermediate	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Key Walking Routes							
	Howth Head Loop	High	Low–Negligible Medium–Small Short term	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**	Embedded	Slight–Not Significant (**not significant**

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Intermediate / Localised					
	North Bull Wall	High	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**	Embedded	Slight–Not Significant (**not significant**
	Great South Wall	High–medium	Low–Negligible Medium–Small Short term Intermediate / Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Bray-Greystones Cliff Walk	High–medium	Medium–Low Medium–Small Short term Wide / Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Greystones to	High–medium	Medium–Low Medium–Small	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	Wicklow Trail		Short term Wide / Intermediate					
	The Wicklow Way	High–medium	Low Medium Short term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
Operation / Maintenance								
Impact 1: Direct / indirect long-term, although reversible impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during operation / maintenance	Key roads							
	R105	High–Medium	Medium–Low Medium–Small Long term Limited	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**	Embedded	Moderate–Slight (**not significant**
	R807	Medium–Low	Low Small Long term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	R131	Medium	Low Small Long term	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Localised					
	R119	Medium	Medium Medium Long term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	R761	Medium	Medium–Low Medium–Small Long term Intermediate / Localised	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	M11/N11	Medium	Medium–Low Medium–Small Long term Intermediate / Localised	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	R750	High–Medium	Medium Medium Long term Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Railway Lines							

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	DART / Dublin to Rosslare	Medium	High–Medium Large–Medium Long term Wide	Moderate (**not significant**)	High–Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Shipping / ferry / recreational routes							
	Northern approach	Medium (also Medium–Low)	Medium–Low Medium–Small Long term Localised	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Southern approach	Medium (also Medium–Low)	Medium Medium Long term Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Key walking routes							
	Howth Head Loop	High	Medium–Low Medium–Small Long term Localised	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	North Bull Wall	High	Medium–Low Medium–Small Long term Localised	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Great South Wall	High–Medium	Medium–Low Medium–Small Long term Limited	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Bray-Greystones Cliff Walk	High–Medium	High Large Long term Wide/ intermediate	Very significant (significant)	High	Very Significant (significant)	Embedded	Very Significant (significant)
	Greystones to Wicklow Trail	High–Medium	High Large Long term Wide/ intermediate	Very significant (significant)	High	Very Significant (significant)	Embedded	Very Significant (significant)
	The Wicklow Way	High–Medium	Medium Medium Long term	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Intermediate / Localised					
Impact 2: Direct / indirect long-term, although reversible night-time impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during operation / maintenance.	Key roads							
	R105	High–Medium	Low–Negligible Medium–Small Long term Limited	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	R807	Medium–Low	Negligible Negligible Long term Localised	Not Significant (**not significant**)	Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	R131	Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	R119	Medium	Low Small Long term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
	R761	Medium	Low Small Long term Intermediate Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	M11/N11	Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	R750	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium-–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Railway Lines							
	DART / Dublin to Rosslare	Medium	Medium–Low Medium–Small Long term Wide	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Shipping / ferry/ recreational routes							
	Northern approach	Medium	Low–Negligible	Not Significant	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
		(also Medium–Low)	Small Long term Localised	(**not significant**)				(**not significant**)
	Southern approach	Medium (also Medium–Low)	Medium–Low Medium–Small Long term Intermediate	Slight (**not significant**)	Medium–Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Key walking routes							
	Howth Head Loop	High	Low–Negligible Small Long term Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	North Bull Wall	High	Low–Negligible Small Long term Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Great South Wall	High–Medium	Low–Negligible Small Long term	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)

Potential impact	Receptor	Receptor sensitivity	WTG Option A		WTG Option B		Additional mitigation	Residual effect
			Magnitude of impact	Significance of effect	Magnitude of impact	Significance of effect		
			Localised					
	Bray–Greystones Cliff Walk	High–Medium	Medium–Low Medium–Small Long term Wide / Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Greystones–Wicklow Trail	High–Medium	Medium–Low Medium–Small Long term Wide / Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	The Wicklow Way	High–Medium	Low Small Short term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)

Table 15-29 Summary of potential impacts and residual effects (Visual Receptor Groups)

Potential Impact	Receptor	Receptor Sensitivity	WTG Option A		WTG Option B		Additional Mitigation	Residual effect
			Magnitude of Impact	Significance of effect	Magnitude of impact	Significance of effect		
Visual Receptor Groups								
Construction / decommissioning								
Impact 1: Direct / indirect temporary impacts on seascape / landscape / townscape/ national designated landscapes and visual receptors during construction. **Impact 1**: Direct / indirect temporary impacts on seascape / landscape / townscape / national designated landscapes and	Visual Receptor Group 1	High	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Low–Negligible	Slight–Not Significant (**not significant**)	Embedded	Slight–Not Significant (**not significant**)
	Visual Receptor Group 2	High–Medium	Medium-Low Medium Short term Intermediate / Localised	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Visual Receptor Group 3	High	Medium–Low Medium Short term Intermediate / Localised	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Visual Receptor	High–Medium	Medium	Moderate (**not**	Medium	Moderate (**not**	Embedded	Moderate (**not**

Potential Impact	Receptor	Receptor Sensitivity	WTG Option A		WTG Option B		Additional Mitigation	Residual effect
			Magnitude of Impact	Significance of effect	Magnitude of impact	Significance of effect		
visual receptors during decommissioning	Group 4		Large Short term Wide	**significant**)		**significant**)		**significant**)
	Visual Receptor Group 5	High–Medium	Medium Medium Short term Wide / Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Visual Receptor Group 6	High–Medium	Medium–Low Medium Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Visual Receptor Group 7	High–Medium	Medium–Low Medium Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Visual Receptor Group 8	High–Medium	Medium–Low Medium Short term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential Impact	Receptor	Receptor Sensitivity	WTG Option A		WTG Option B		Additional Mitigation	Residual effect
			Magnitude of Impact	Significance of effect	Magnitude of impact	Significance of effect		
	Visual Receptor Group 9	High–Medium	Medium Large–Medium Short term Wide	Moderate adverse (**not significant**)	Medium	Moderate adverse (**not significant**)	Embedded	Moderate adverse (**not significant**)
Impact 2: Direct / indirect temporary night-time impacts on seascape / landscape / townscape / national designated landscapes and visual receptors during construction. **Impact 2**: Direct / indirect temporary night-time impacts seascape landscape / townscape/ national	Visual Receptor Group 1	High	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Low–Negligible Medium–Small Short term Intermediate / Localised	Slight–Not Significant (**not significant**)	Embedded	Slight–Not significant (**not significant**)
	Visual Receptor Group 2	High–Medium	Low Medium Short term Intermediate / Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**)
	Visual Receptor Group 3	High	Medium–Low Medium Short term Intermediate / Localised	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)

Potential Impact	Receptor	Receptor Sensitivity	WTG Option A		WTG Option B		Additional Mitigation	Residual effect
			Magnitude of Impact	Significance of effect	Magnitude of impact	Significance of effect		
designated landscapes during decommissioning.	Visual Receptor Group 4	High–Medium	Medium Large Short term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Visual Receptor Group 5	High–Medium	Medium Medium Short term Wide / Intermediate	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Visual Receptor Group 6	High–Medium	Medium–Low Medium Short ter Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Visual Receptor Group 7	High–Medium	Low–Negligible Medium–Small Short term Intermediate / Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Visual Receptor Group 8	High–Medium	Medium–Low Medium	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential Impact	Receptor	Receptor Sensitivity	WTG Option A		WTG Option B		Additional Mitigation	Residual effect
			Magnitude of Impact	Significance of effect	Magnitude of impact	Significance of effect		
			Short term Intermediate					
	Visual Receptor Group 9	High–Medium	Medium Medium Short term Intermediate	Moderate adverse (**not significant**)	Medium	Moderate adverse (**not significant**)	Embedded	Moderate adverse (**not significant**)
Operation / Maintenance								
Impact 1: Direct / indirect long-term, although reversible impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during operation / maintenance.	Visual Receptor Group 1	High	Medium–Low Medium–Small Long term Localised	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Visual Receptor Group 2	High–Medium	Medium Medium Long term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Visual Receptor Group 3	High	High–Medium Large-medium Long term Intermediate	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)

Potential Impact	Receptor	Receptor Sensitivity	WTG Option A		WTG Option B		Additional Mitigation	Residual effect
			Magnitude of Impact	Significance of effect	Magnitude of impact	Significance of effect		
	Visual Receptor Group 4	High–Medium	High Large Long term Wide	Very Significant (**significant**)	High	Very Significant (**significant**)	Embedded	Very Significant (**significant**)
	Visual Receptor Group 5	High–Medium	High–Medium Large–Medium Long term Intermediate	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)
	Visual Receptor Group 6	High–Medium	High–Medium Large-medium Long term Intermediate	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)
	Visual Receptor Group 7	High–Medium	Medium Medium Long term Localised	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Visual Receptor Group 8	High–Medium	High–Medium Large–Medium	Significant (**significant**)	High–Medium	Significant (**significant**)	Embedded	Significant (**significant**)

Potential Impact	Receptor	Receptor Sensitivity	WTG Option A		WTG Option B		Additional Mitigation	Residual effect
			Magnitude of Impact	Significance of effect	Magnitude of impact	Significance of effect		
			Long term Intermediate					
	Visual Receptor Group 9	High-Medium	High Large Long term Wide	Very Significant (**significant**)	High	Very Significant (**significant**)	Embedded	Very Significant (**significant**)
Impact 2: Direct / indirect long-term, although reversible nighttime impacts on seascape / landscape/ townscape / national designated landscapes and visual receptors during operation / maintenance.	Visual Receptor Group 1	High	Low–Negligible Small Long term Localised	Not Significant (**not significant**)	Low–Negligible	Not Significant (**not significant**)	Embedded	Not Significant (**not significant**)
	Visual Receptor Group 2	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**
	Visual Receptor Group 3	High	Medium–Low Medium–Small Long term Intermediate	Moderate (**not significant**)	Medium–Low	Moderate (**not significant**)	Embedded	Moderate (**not significant**)
	Visual Receptor Group 4	High–Medium	Medium–Low	Moderate-Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential Impact	Receptor	Receptor Sensitivity	WTG Option A		WTG Option B		Additional Mitigation	Residual effect
			Magnitude of Impact	Significance of effect	Magnitude of impact	Significance of effect		
			Medium–Small Long term Intermediate					
	Visual Receptor Group 5	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Visual Receptor Group 6	High–Medium	Medium–Low Medium–Small Long term Intermediate	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)
	Visual Receptor Group 7	High–Medium	Low Small Long term Localised	Slight (**not significant**)	Low	Slight (**not significant**)	Embedded	Slight (**not significant**
	Visual Receptor Group 8	High–Medium	Medium–Low Medium–Small	Moderate–Slight (**not significant**)	Medium–Low	Moderate–Slight (**not significant**)	Embedded	Moderate–Slight (**not significant**)

Potential Impact	Receptor	Receptor Sensitivity	WTG Option A		WTG Option B		Additional Mitigation	Residual effect
			Magnitude of Impact	Significance of effect	Magnitude of impact	Significance of effect		
			Long term Intermediate					
	Visual Receptor Group 9	High-Medium	Medium Medium Long term Wide	Moderate (**not significant**)	Medium	Moderate (**not significant**)	Embedded	Moderate (**not significant**)