

NATURA IMPACT REPORT

IN SUPPORT OF THE
APPROPRIATE ASSESSMENT

FOR THE
**DRAFT CARLOW-GRAIGUECULLEN
JOINT URBAN LOCAL AREA PLAN
2024-2030**

for: **Carlow and Laois County Councils**



by: **CAAS Ltd.**



DECEMBER 2023

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Section 1 Introduction

1.1 Background

This Natura Impact Report (NIR) has been prepared in support of the Appropriate Assessment (AA) of the Draft Carlow-Graiguecullen Joint Urban Local Area Plan 2024-2030 (the Draft Plan) in accordance with the requirements of Article 6(3) of Council Directive 92/43/EEC on the Conservation of Natural Habitats and of Wild Fauna and Flora (as amended) (hereafter referred to as the "Habitats Directive").

This report is part of the ongoing AA process that is being undertaken alongside the preparation of the Plan. It will be considered, alongside other documentation prepared as part of this process, at adoption of the Plan. An AA Conclusion Statement will be prepared following adaptation that will include the final AA determination expected to be made at adoption.

1.2 Legislative Context

The Habitats Directive provides legal protection for habitats and species of European importance. The overall aim of the Habitats Directive is to maintain or restore the "favourable conservation status" of habitats and species of European Community Interest. These habitats and species are listed in the Habitats and Birds Directives (Council Directive 2009/147/EC on the conservation of wild birds) with Special Areas of Conservation (SACs) and Special Protection Areas (SPAs) designated to afford protection to the most vulnerable of them. These two designations are collectively known as European sites (also known as Natura 2000 sites).

AA is required by the Habitats Directive, as transposed into Irish legislation by the European Communities (Birds and Natural Habitats) Regulations 2011 (as amended) and the Planning and Development Act 2000 (as amended). AA is an assessment of the potential for adverse effects of a plan or project, in combination with other plans or projects, on the conservation objectives of a European site. These sites consist of SACs and SPAs and provide for the protection and long-term survival of Europe's most valuable and threatened species and habitats.

1.3 Approach

The Draft Plan was informed by the AA process. The findings of the AA are detailed in this NIR, which has been prepared to accompany the Draft Plan on public display and inform the competent authority on conducting Stage 2 AA. Mitigation was integrated into the Draft Plan that allows the NIR to conclude that that the Draft Plan is not foreseen to give rise to any significant effects on designated European sites, alone or in combination with other plans or projects¹. The Draft Plan and AA NIR are placed on public display and submissions will be invited.

Submissions received may result in Material Alterations being proposed to the Plan. These alterations will be subject to Screening for AA and subsequent stages of AA as relevant.

The AA is based on best scientific knowledge and ecological expertise, and is supported by desktop research on national databases including the National Biodiversity Data Centre², the National Parks and Wildlife Service (NPWS)³ and the Environmental Protection Agency (EPA)⁴ mapping websites (including data collected for the most recent Article 12 and 17 conservation status reporting cycle, 2019).

The ecological desktop study completed for the AA of the Plan, comprised the following elements:

- Identification of European sites within 15 km of the Plan boundary;
- Examination of European sites hydrologically linked (via direct surface water connection or shared groundwater body) or other ecological links beyond 15 km of the Plan boundary;

¹ Except as provided for in Article 6(4) of the Habitats Directive, viz. There must be: a) no alternative solution available, b) imperative reasons of overriding public interest for the plan to proceed; and c) Adequate compensatory measures in place.

² Available at: <https://maps.biodiversityireland.ie/>

³ Available at: <https://www.npws.ie/protected-sites> and <https://dahg.maps.arcgis.com/apps/webappviewer/index.html?id=8f7060450de3485fa1c1085536d477ba>

⁴ Available at: <https://gis.epa.ie/EPAMaps/>

- Examination of the NPWS Qualifying Interests (for SACs), Special Conservation Interests (for SPAs) and Conservation Objectives for the above identified sites with potential pathways to the Plan area;
- Examination of available additional information on protected and or designated species as relevant/necessary.

There are four main stages in the AA process as follow:

Stage One: Screening

The process that identifies the likely impacts upon a European site of a project or plan, either alone or in combination with other projects or plans and considers whether these impacts are likely to be significant.

Stage Two: Appropriate Assessment

The consideration of the impact on the integrity of the European site of the project or plan, either alone or in combination with other projects or plans, with respect to the site's structure and function and its conservation objectives. Additionally, where there are adverse impacts, an assessment of the potential mitigation of those impacts. If adequate mitigation is proposed to ensure no significant adverse impacts on European sites, then the process may end at this stage. However, if the likelihood of significant impacts remains, then the process must proceed to Stage Three.

Stage Three: Assessment of Alternative Solutions

The process that examines alternative ways of achieving the objectives of the project or plan that avoids adverse impacts on the integrity of the European site.

Stage Four: Assessment where no alternative solutions exist and where adverse impacts remain

An assessment of compensatory measures where, in the light of an assessment of imperative reasons of overriding public interest (IROPI), it is deemed that the project or plan should proceed.

The Habitats Directive promotes a hierarchy of avoidance, mitigation and compensatory measures. This approach aims to avoid any impacts on European sites by identifying possible impacts early in the plan-making process and avoiding such impacts. Second, the approach involves the application of mitigation measures, if necessary, during the AA process to the point where no adverse impacts on the site(s) remain. If potential impacts on European sites remain, the approach requires the consideration of alternative solutions. If no alternative solutions are identified and the plan/project is required for imperative reasons of overriding public interest, then compensation measures are required for any remaining adverse effect(s). The assessment of potential effects on European sites is conducted following a standard source-pathway-receptor⁵ model, where, in order for an effect to be established all three elements of this mechanism must be in place. The absence or removal of one of the elements of the model is sufficient to conclude that a potential effect is not of any relevance or significance.

In the interest of this report, receptors are the ecological features that are known to be utilised by the qualifying interests or special conservation interests of a European site. A source is any identifiable element of the Plan provision that is known to interact with ecological processes. The pathways are any connections or links between the source and the receptor. This report provides information on whether direct, indirect and cumulative adverse effects could arise from the Plan.

The AA exercise has been prepared taking into account legislation including the aforementioned legislation and guidance including the following:

- Appropriate Assessment of Plans and Projects in Ireland. Guidance for Planning Authorities, Department of the Environment, Heritage and Local Government, 2009;
- "Commission Notice: Managing Natura 2000 sites - The provisions of Article 6 of the 'Habitats' Directive 92/43/EEC", European Commission 2018;
- Assessment of plans and projects in relation to Natura 2000 sites – Methodological guidance on the provisions of Article 6(3) and (4) of the Habitats Directive 92/43/EEC, European Commission Notice, Journal of the European Union, 2021; and
- Practice Note PN01: Appropriate Assessment Screening for Development Management, Office of the Planning Regulator, 2021.
-

This evaluation has been made in view of the conservation objectives of the habitats or species, for which the relevant European sites have been designated.

The scope of the AA was also informed by the submissions received on the scope of the accompanying Strategic Environmental Assessment⁶ (SEA) process being undertaken on the Draft Plan.

⁵ Source(s) – e.g., pollutant run-off from proposed works; Pathway(s) – e.g., groundwater connecting to nearby qualifying wetland habitats; and Receptor(s) – qualifying aquatic habitats and species of European sites.

⁶ Strategic Environmental Assessment (SEA) is the formal, systematic evaluation of the likely significant environmental effects of implementing a plan or programme before a decision is made to adopt it.

Section 2 Description of the Draft Plan

2.1 Introduction and Content

A mandatory Local Area Plan is required for Carlow Town having regard to Section 19 of the Planning and Development Act 2000 (as amended), which states that a Local Area Plan is required to be prepared in respect of an area that is:

- Designated as a town in the most recent census;
- Has a population in excess of 5,000; and,
- Is situated in the functional area of the planning authority which is the county council.

Carlow-Graiguecullen is a designated Key Town with a recorded population in excess of 27,000 in 2022. In accordance with Section 18(2) of the Act, Carlow County Council and Laois County Council are collaborating in the preparation of the Joint Urban Draft Local Area Plan (JULAP).

The Draft JULAP addresses spatial planning in the Carlow-Graiguecullen area and identifies the various social, economic, and environmental issues of relevance. Policies, objectives, and related provisions are outlined to guide future development in accordance with the proper planning and sustainable development of the area.

2.2 Form and Content of the Plan

The Draft Plan comprises a written statement and combined land use zoning map encompassing Carlow Town, Carlow Town Environs, and Graiguecullen. The land use zonings for Carlow Town (i.e., former Carlow Town Council area), were adopted in May 2022 as part of the preparation of the Carlow County Development Plan 2022-2028 and have been reflected in the Draft Plan.

The written statement and supporting maps comprise the primary policy document for the Draft JULAP and is set out over 12 Chapters as follows:

- Chapter 1 - Plan Review and Context
- Chapter 2 - Carlow-Graiguecullen Strategic Planning and Vision
- Chapter 3 - Core Strategy and Housing
- Chapter 4 - Economic Development, Retail and Tourism
- Chapter 5 - Urban Design, Town Centre and Regeneration
- Chapter 6 - Sustainable Travel and Transportation
- Chapter 7 - Infrastructure and Environmental Services
- Chapter 8 - Sustainable Communities
- Chapter 9 - Built Heritage
- Chapter 10 - Natural Heritage and Amenity
- Chapter 11 - Climate Action
- Chapter 12 - Land Use Zoning Objectives and Implementation

The Draft JULAP includes appendices and associated environmental reports i.e., the SEA Environmental Report, this Appropriate Assessment Natura Impact Report, and a Strategic Flood Risk Assessment. An Area Based Transport Assessment has also been prepared for the Urban Area. These documents complement and contribute to the evidence-led approach to the formulation of the written statement and supporting maps. In the event of any conflict or ambiguity between what is contained within the Written Statement and the supporting maps, the Written Statement shall take precedence. In the full interpretation of all policies and objectives for Carlow-Graiguecullen, it is essential that both the Carlow and Laois County Development Plans, as overarching policy documents, are read in tandem with the Draft Plan. Where conflicting policies and objectives arise between these County Development Plans and the JULAP, the policies and objectives of the County Development Plans, as they apply to lands in the functional area of County Carlow or County Laois, shall take precedence.

2.3 Vision and Strategic Objectives

The Vision for the Plan is: “To ensure that Carlow-Graigucullen maximises and builds on its Key Town designation, strategic accessible location, regional and inter-regional connectivity, and existing inherent strengths, prioritising quality of life considerations, the economic and employment potential of the town, town centre led urban regeneration, focusing on a low carbon and compact pattern of development, while seeking to conserve and enhance the town’s existing natural and built heritage assets.”

To contribute to the delivery of this vision and in order to maximise on the designation of the urban area as a Key Town a number of cross-cutting strategic objectives and priorities have been identified. These are intended to guide the future growth of the joint urban area in accordance with proper planning and sustainable development. They have been formulated to reflect and build on the town’s attributes, while also taking account of key issues and challenges into the future. The Plan’s Strategic Objectives are as follow:

- SO. 1: Encourage and support town centre led urban regeneration for Carlow-Graigucullen, focusing on the appropriate redevelopment and reuse of key derelict, vacant and underutilised sites and buildings, the consolidation of the town through the use of brownfield, infill and backland sites, the conservation of historic building stock, and the implementation of streetscape and public realm improvements.
- SO. 2: Encourage and facilitate balanced economic development and employment opportunities in Carlow-Graigucullen, ensuring a vibrant local economy that maximises business and investment opportunities and the existing economic attributes of the town, and supports the development of a diverse range of economic sectors.
- SO. 3: Improve the public realm and attractiveness of Carlow-Graigucullen through the delivery of high-quality urban design outcomes, taking account of the need to respond to the social and physical characteristics of the existing built environment and those features that should be protected and/or enhanced by, and inform, new development.
- SO. 4: Prioritise integrated transport and land use, supported by investment in public transport, active travel networks and shared, low-carbon mobility options, which will improve people’s travel choices and support safe, sustainable, and healthy lifestyles.
- SO. 5: Promote Carlow-Graigucullen as a priority location for regional level community and social infrastructure and support the expansion and enhancement of existing community facilities, the provision of residential development, and a range of new community facilities in tandem with population growth to meet the needs of future residents in the joint urban area.
- SO. 6: Transition Carlow-Graigucullen to a low-carbon and climate resilient town through a combination of effective mitigation and adaptation measures, in addition to maximising opportunities for energy efficiency, renewables, and decarbonisation.
- SO. 7: Manage the development of Carlow-Graigucullen in a manner that protects, conserves, and enhances the natural and built heritage of the area.
- SO. 8: Support the development of, and investment in new and existing arts, culture and tourism infrastructure and amenities in Carlow-Graigucullen.

2.4 Strategic work undertaken by the Councils to ensure contribution towards environmental protection and sustainable development

Far in advance of the placing of the Draft Plan on public display, Carlow and Laois County Councils undertook various works in order to inform the preparation of the Plan.

Strategic work undertaken by the Councils includes background work in relation to Plan provisions, including those relating to:

- Core Strategy and Housing;
- Economic Development, Retail and Tourism;
- Urban Design, Town Centre and Regeneration;
- Sustainable Travel and Transportation;

- Infrastructure and Environmental Services;
- Sustainable Communities;
- Built Heritage;
- Natural Heritage, Green Infrastructure and Landscape;
- Climate Action; and
- Land Use Zoning and Implementation.

The undertaking of the AA process was part of this strategic work and contributed towards the integration of mitigation into the Plan as detailed in Section 5 of this report.

2.5 Relationship with other relevant Plans and Programmes

It is acknowledged that many of the major issues affecting Carlow-Graiguecullen's development are contingent on national policy and government funding.

The Draft Plan sits within a hierarchy of statutory documents setting out public policy for, among other things, land use planning, infrastructure, sustainable development, tourism, environmental protection and environmental management. The Plan must comply with relevant higher-level strategic actions and will, in turn, guide lower-level strategic actions. These documents include plans and programmes such as those detailed in Appendix II. These documents have been subject to their own environmental assessment processes, as relevant.

The National Planning Framework sets out Ireland's planning policy direction for the years 2018-2040. The National Planning Framework is to be implemented through Regional Spatial and Economic Strategies and lower tier Development Plans and Local Area Plans. The Regional Spatial and Economic Strategy for the Eastern and Midland Region and the Southern Region set out objectives for land use planning, tourism, infrastructure, sustainable development, environmental protection and environmental management that have been subject to environmental assessment and must, as relevant and appropriate⁷, be implemented through the Carlow and Laois County Development Plans, that set out the overarching development strategy for the counties, and the Local Area Plan.

In order to be realised, projects included in the Local Area Plan (in a similar way to other projects from any other sector) will have to comply, as relevant, with various legislation, policies, plans and programmes (including requirements for lower-tier Appropriate Assessment, Environmental Impact Assessment and other licencing requirements as appropriate) that form the statutory decision-making and consent-granting framework.

⁷ Carlow-Graiguecullen includes the functional area of two local authorities and two regional assemblies. The area of the town around Graiguecullen in County Laois is in the functional area of the Eastern and Midland Region, while the greater area of Carlow Town within County Carlow is located with the Southern Region.

Section 3 Screening for Appropriate Assessment

3.1 Introduction to Screening

This stage of the process identifies any potential significant effects to European sites from a project or plan, either alone or in combination with other projects or plans.

An important element of the AA process is the identification of the “Conservation Objectives”, “Qualifying Interests” (QIs) and/or “Special Conservation Interests” (SCIs) of European sites requiring assessment. QIs are the habitat features and species listed in Annexes I and II of the Habitats Directive for which each European site has been designated and afforded protection. SCIs are wetland habitats and bird species listed within Annexes I and II of the Birds Directive. It is also vital that the threats to the ecological/environmental conditions that are required to support QIs and SCIs are considered as part of the assessment.

The following NPWS First Order Site-Specific Conservation Objectives have been considered in the screening:

- For SACs, to maintain or restore the favourable conservation condition of the Annex I habitat(s) and/or the Annex II species for which the SAC has been selected; and
- For SPAs, to maintain or restore the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA.

Where available, Site-Specific Conservation Objectives (SSCOs) designed to define favourable conservation status for a particular habitat⁸ or species⁹ at that site have been considered.

3.2 Identification of Relevant European Sites

The Department of the Environment (2009) Guidance on AA recommends a 15 km pathway consideration zone to be considered. A review of all sites within this zone, in the context of the nature and scope of the Draft Plan, has allowed a determination to be made that in the absence of significant hydrological links the characteristics of the Plan will not impose effects beyond the 15 km zone.

Details of European sites that occur within the 15 km Pathway Consideration Zone of the Plan area are listed in Table 3.1 and mapped on Figure 3.1. European sites, that have surface hydrological connectivity with, and/or occur within the same groundwater body¹⁰ as the Draft Plan area¹¹ (these can occur beyond the 15 km Pathway Consideration Zone) are mapped on Figure 3.2. No SPAs with terrestrial or hydrological connectivity to the Draft Plan area have been identified in this report (see Table 3.1, Figure 3.1 and Figure 3.2). Therefore, the main focus of this report will be on the QIs of connected European sites. However, ex-situ foraging of SCI species designated for SPAs which occur outside of the 15 km pathway consideration zone can still occur at varying scales and distances, and this potential interaction with the draft Plan area is also considered in this report.

Information on QIs site-specific vulnerabilities and sensitivities (see Appendix I) and background information (such as that within Ireland’s Article 17 Report to the European Commission, site synopses and Natura 2000 standard data forms) has also been considered by both the AA screening assessment (the findings of which are provided under this section) and Stage 2 AA (provided under Section 4). The Conservation Objectives of the European sites that have been considered by the assessment, were sourced from the following NPWS documents:

- NPWS (2011) Conservation Objectives for River Barrow and River Nore SAC [IE0002162] Version 1.
- NPWS (2011) Conservation Objectives for Slaney River Valley SAC [IE0000781] Version 1.
- NPWS (2019) Conservation Objectives for Holdenstown Bog SAC [IE0001757] Version 1.
- NPWS (2019) Conservation Objectives for Blackstairs Mountains SAC [IE0000770] Version 1.

⁸ Favourable conservation status of a habitat is achieved when: its natural range, and area it covers within that range, are stable or increasing; the specific structure and functions which are necessary for its long-term maintenance exist and are likely to continue to exist for the foreseeable future; and the conservation status of its typical species is favourable.

⁹ The favourable conservation status of a species is achieved when: population dynamics data on the species concerned indicate that it is maintaining itself on a long-term basis as a viable component of its natural habitats; the natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future; and there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis.

¹⁰ Special Areas of Conservation with groundwater sensitive Qualifying Interests

¹¹ Source: EPA datasets (<https://gis.epa.ie/EPAMaps/>). Accessed: October 2023

The assessment considers available conservation objectives. Since conservation objectives focus on maintaining the favourable conservation condition of the QIs/SCIs of each site, the screening process concentrated on assessing the potential effects of the Plan against the QIs/SCIs of each site. The conservation objectives for each site were consulted throughout the assessment process.

3.3 Screening and Potential Significant Effects

All policies and objectives contained within the Draft Plan are considered in this report with respect to the ecological sensitivities of each of the European sites identified. The sensitivities, threats and pressures of the QIs in relation to all potential sources for effects identified, and potential pathways for such effects identified above are then examined in Table 3.1 (Screening stage). Where sources within the Draft Plan and pathways for potential significant effects are identified, the European sites concerned will proceed to Stage 2 AA. Potential effects will be assessed in relation to the Conservation Objectives of each QI and the appropriate corresponding mitigation will be (detailed in Section 5) applied to each potential effect in Table 4.1.

3.3.1 Is the Plan Necessary to the Management of European Sites?

The overarching objective of the Plan is not the nature conservation management of the sites, but to coordinate and plan the future development of Carlow-Graigucullen. Therefore, the Plan is not considered to be directly connected with or necessary to the management of European sites.

3.3.2 Elements of the Plan with Potential to Give Rise to Significant Effects

All policies and objectives are considered in this assessment with respect to the likelihood for potential significant effects on the QIs and SCIs of each of the European sites identified by the assessment. This is carried out by considering the sensitivities and threats and pressures of each of the QIs and SCIs in relation to all potential sources for effects and potential pathways for such effects. Subsequently, where sources and pathways for effects are identified potential significant effects will be assessed in relation to the SSCOs.

The Plan will provide a framework for the sustainable development of the Carlow-Graigucullen Plan area. Plan elements that could present sources with pathways for potential significant effects to European sites are:

- The Plan's provisions, including those relating to housing, economic development, retail and tourism, urban design, town centre and regeneration, sustainable travel and transportation, infrastructure and environmental services, sustainable communities, built heritage, natural heritage, green infrastructure and landscape, climate action and land use zoning and implementation, which introduce sources for potential effects through construction phase such as habitat loss, light pollution, disturbance effects and hydrological interactions through surface hydrological connectivity and/or shared groundwater sources (Figure 3.2);
- Loading pressures from the operational phase of developments – these sources could result in habitat loss/fragmentation, light pollution, disturbance effects and interactions with water quality (surface and/or groundwater); and
- Increases in visitor numbers to ecologically sensitive areas during the operational phase of developments which have potential to introduce sources for significant effects, such as recreational and tourism developments.

All policies and objectives within the Draft Plan are considered in this assessment with respect to the ecological sensitivities of each of the European sites identified. Considering the sensitivities/vulnerabilities of the QIs in relation to all potential sources for effects and potential pathways for such effects. Where sources and pathways for potential significant effects are identified, these potential effects will be assessed in relation to the SSCOs.

3.3.3 Screening of Sites

Table 3.1 examines whether there is a likelihood of potential for significant effects on European sites, considering: information on potential effects provided above; the Conservation Objectives for each site; each site's QIs; and their threats and pressures – as provided in Appendix I. Sites are screened based on one or a combination of the following criteria:

- The existence of potential for pathways for likely significant effects, such as hydrological links between Plan proposals and the site to be screened;
- The distance of the relevant site from the Plan boundary; and
- The existence of a link between identified threats or vulnerabilities at a site to potential impacts that may arise from the Plan.

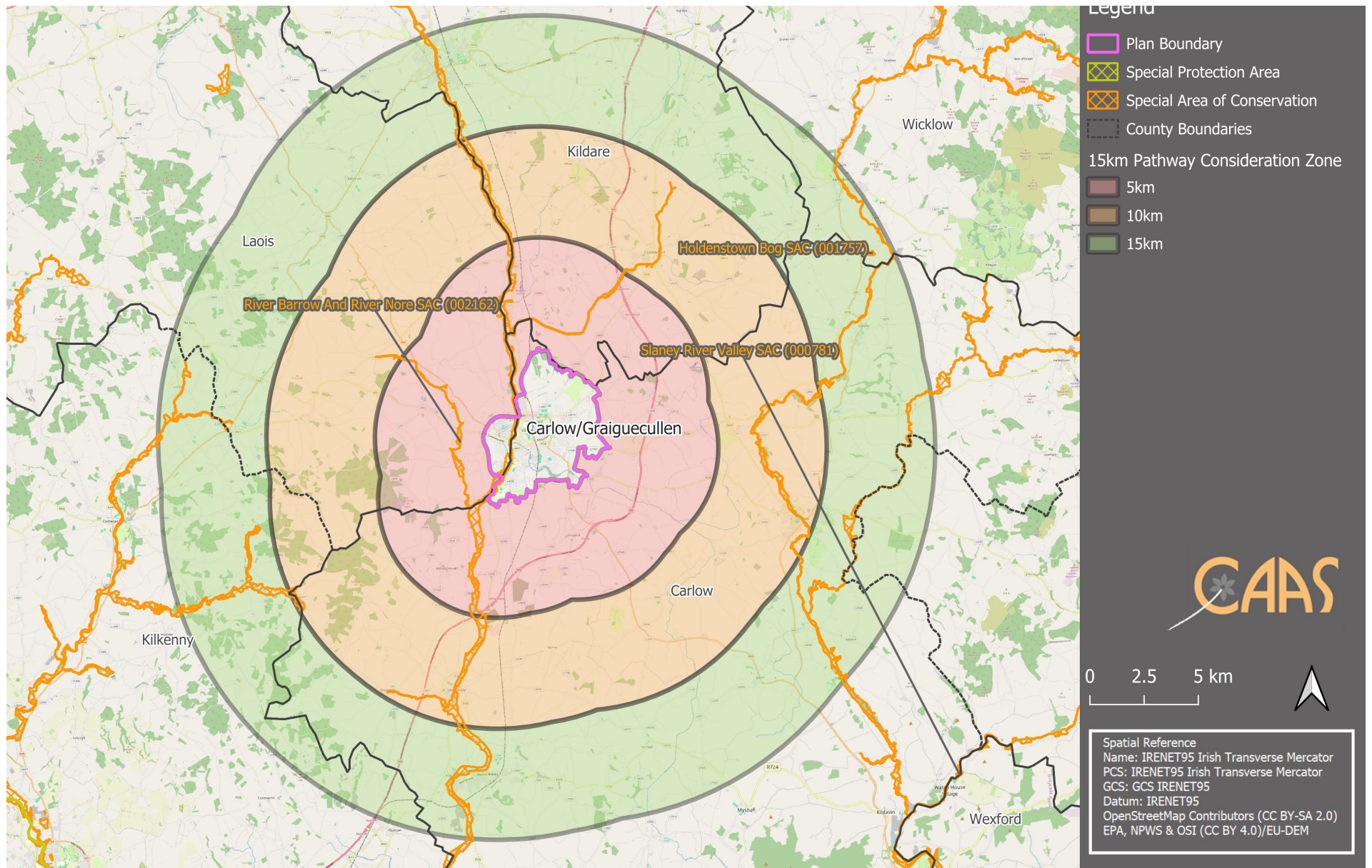


Figure 3.1 European sites and Pathway Consideration Zones up to 15 km from the Draft Plan area¹²

¹² Source: NPWS (datasets downloaded November 2023)

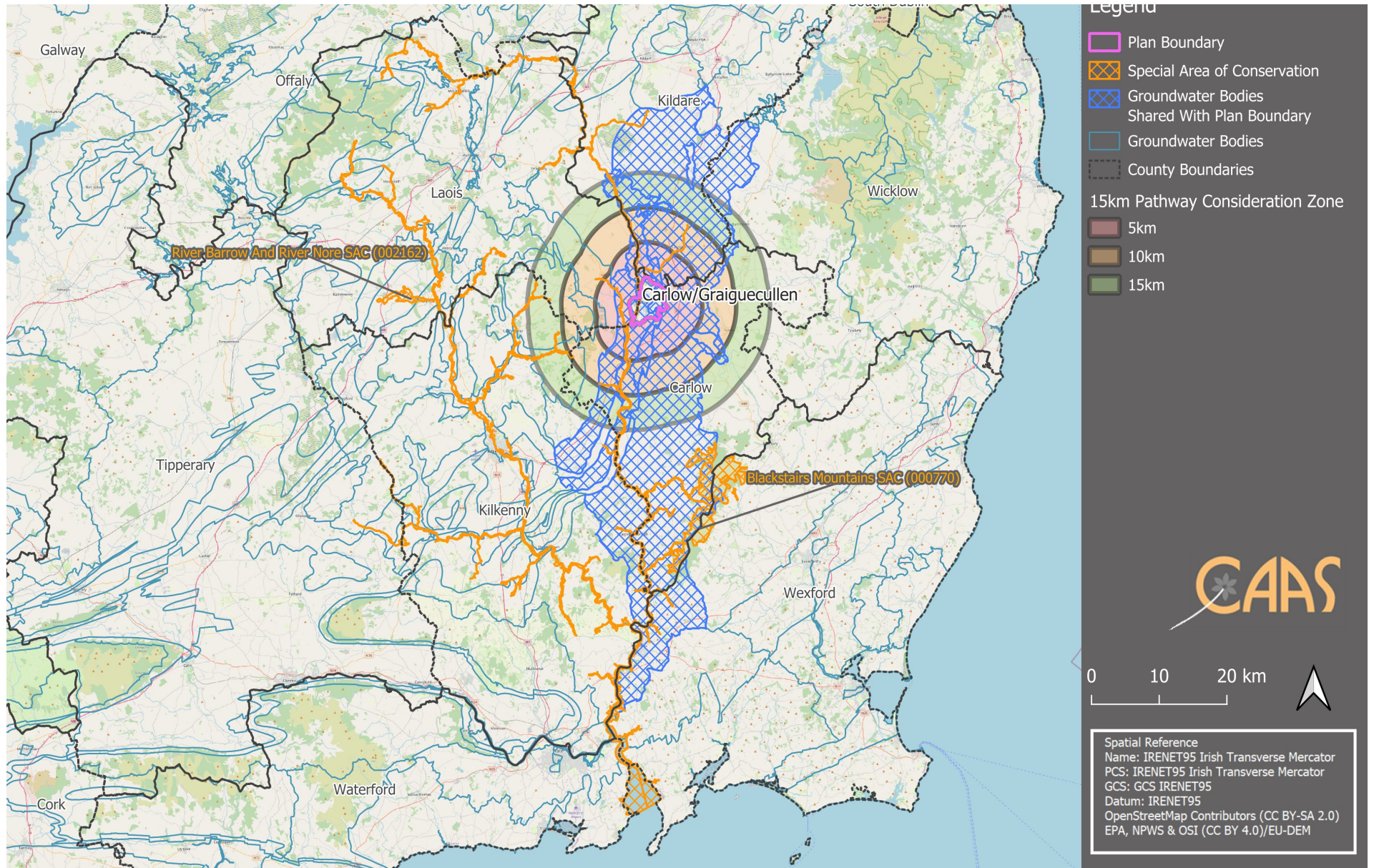


Figure 3.2 European sites¹³ occurring within the same groundwater bodies¹⁴ as the Plan area

¹³ Special Areas of Conservation and/or Special Protection Areas with groundwater sensitive Qualifying Interests

¹⁴ Source: EPA datasets – accessed at: <https://gis.epa.ie/EPAMaps/>

Table 3.1 Screening of European sites within 15 km of the Plan boundary

Site Code	Site Name	Distance (km)	Qualifying Feature	Analysis of Likely Significant Effects	Likelihood of Significant Effects	Likelihood of In-Combination Effects
002162	River Barrow and River Nore SAC	Within	Atlantic salmon (<i>Salmo salar</i>) [1106], Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) [1330], Estuaries [1130], European dry heaths [4030], Brook lamprey (<i>Lampetra planeri</i>) [1096], Desmoulin's whorl snail (<i>Vertigo moulinsiana</i>) [1016], Killarney fern (<i>Trichomanes speciosum</i>) [1421], Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410], Freshwater pearl mussel (<i>Margaritifera margaritifera</i>) [1029], Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels [6430], Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>) [91E0], Nore Pearl Mussel (<i>Margaritifera durrovensis</i>) [1990], Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles [91A0], Otter (<i>Lutra lutra</i>) [1355], Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220], Reefs [1170], River lamprey (<i>Lampetra fluviatilis</i>) [1099], Salicornia and other annuals colonising mud and sand [1310], Sea lamprey (<i>Petromyzon marinus</i>) [1095], Twaite shad (<i>Alosa fallax</i>) [1103], Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation [3260], White-clawed crayfish (<i>Austropotamobius pallipes</i>) [1092], Mudflats and sandflats not covered by seawater at low tide [1140]	<p>The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. This SAC is sensitive to direct land use management activities, hydrological interactions and groundwater interactions.</p> <p>Considering the QIs of this SAC, the nature of the Draft Plan, and given that the SAC is partially within the Draft Plan area, sources for potential significant effect have been identified for direct land use management activities and for hydrological interactions, via both groundwater and surface hydrological interactions, within the Draft Plan.</p> <p>Considering groundwater interactions: groundwater is reliant on and interacts with a myriad of hydrogeological and landscape characteristics¹⁵; and has been shown to be heavily influenced by the direct management of soil, rivers and streams¹⁶. It has also been shown that the effects from groundwater contaminants are diluted through volume of water¹⁷. However, given that this SAC exists partially within the Draft Plan area, a pathway for likely significant effects via groundwater has been identified as: the SAC and Plan area are within the same groundwater body¹⁸ (Figure 3.2); and sources for potential effects regarding groundwater interactions have been identified in the Draft Plan.</p> <p>Thus, sources with pathways for likely significant effects to this European site, resulting from the implementation of the draft Plan, have been identified. As a result, further consideration is required under Article 6(3) of the Habitats Directive and a Natura Impact Report is required.</p>	Yes	Yes
000781	Slaney River Valley SAC	6.5	Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation [3260], Brook lamprey (<i>Lampetra planeri</i>) [1096], Estuaries [1130], Freshwater pearl mussel (<i>Margaritifera margaritifera</i>) [1029], Harbour seal (<i>Phoca vitulina</i>) [1365], Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410], Mudflats and sandflats not covered by seawater at low tide [1140], Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles [91A0], Otter (<i>Lutra lutra</i>) [1355], River lamprey (<i>Lampetra fluviatilis</i>) [1099], Sea lamprey (<i>Petromyzon marinus</i>) [1095], Twaite shad (<i>Alosa fallax</i>) [1103], Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>) [91E0], Atlantic salmon (<i>Salmo salar</i>) [1106], Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) [1330]	<p>The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. This SAC is sensitive to direct land use management activities, hydrological interactions, groundwater interactions. This site exists 6.5 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site and there is no shared groundwater body between the Plan area and this European site.</p> <p>Considering the QIs of this SAC and given the nature of the Draft Plan and the distances involved, there are no potential pathways for direct land use management effects, as the site is outside of the Plan area. In addition, there are no direct surface hydrological or groundwater pathways between the site and the Plan area, therefore, there are no pathways for potential significant effect for hydrological interactions to the SAC.</p> <p>Thus, there are no sources with pathways for likely significant effects identified and no further assessment is required.</p>	No	No

¹⁵ Wehncke, E.V. & Mariano, N.A., 2021. Groundwater and Its Role in Maintaining the Ecological Functions of Ecosystems—A Review. *Intensified Land and Water Use: A Holistic Perspective of Local to Regional Integration*, pp.55-86.

¹⁶ Silva, A.C.F. *et al.* 2012. Estuarine biodiversity as an indicator of groundwater discharge. *Estuarine, Coastal and Shelf Science*, 97, pp.38-43.

¹⁷ Lasagna, M. *et al.* 2013. Effect of the dilution process on the attenuation of contaminants in aquifers. *Environmental earth sciences*, 70(6), pp.2767-2784.

¹⁸ EPA groundwater datasets. Available at: <https://gis.epa.ie/EPAMaps/>

Site Code	Site Name	Distance (km)	Qualifying Feature	Analysis of Likely Significant Effects	Likelihood of Significant Effects	Likelihood of In-Combination Effects
001757	Holdenstown Bog SAC	13.9	Transition mires and quaking bogs [7140]	<p>The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. This SAC is sensitive to direct land use management activities, hydrological interactions and groundwater interactions. This site exists 13.89 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site and there is no shared groundwater body between the Plan area and this European site.</p> <p>Considering the QI of this SAC and given the nature of the Draft Plan and the distances involved, there are no potential pathways for direct land use management effects, as the site is outside of the Plan area. In addition, there are no direct surface hydrological or groundwater pathways between the site and the Plan area, therefore, there are no pathways for potential significant effect for hydrological interactions to the SAC.</p> <p>Thus, there are no sources with pathways for likely significant effects identified and no further assessment is required.</p>	No	No
000770	Blackstairs Mountains SAC	19.4	European dry heaths [4030], Northern Atlantic wet heaths with Erica tetralix [4010]	<p>The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. This SAC is sensitive to direct land use management activities, hydrological interactions and groundwater interactions. This site exists 19.40 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site. However, this European site has groundwater sensitive Qualifying Interests and does share the same groundwater body as the Draft Plan area (Figure 3.2).</p> <p>Considering groundwater interactions: groundwater is reliant on and interacts with a myriad of hydrogeological and landscape characteristics¹⁹, and has been shown to be heavily influenced by the direct management of soil, rivers and streams²⁰. It has also been shown that the effects from groundwater contaminants are diluted through volume of water²¹. Considering the nature of the draft Plan, and distance between the Draft Plan area and this SAC, there is considerable dilution effect, and therefore no pathway for potential significant effects to the QIs has been identified.</p> <p>Considering the QIs of this SAC and given the nature of the Draft Plan and the distances involved, there are no pathways for direct land use management effects, as the site is outside of the Plan area. In addition, there are no direct surface hydrological pathways between the site and the Plan area, therefore, there are no pathways for potential significant effect for hydrological interactions to the SAC.</p> <p>Thus, there are no sources with pathways for likely significant effects identified and no further assessment is required.</p>	No	No

¹⁹ Wehncke, E.V. & Mariano, N.A., 2021. Groundwater and Its Role in Maintaining the Ecological Functions of Ecosystems—A Review. *Intensified Land and Water Use: A Holistic Perspective of Local to Regional Integration*, pp.55-86.

²⁰ Silva, A.C.F. *et al.* 2012. Estuarine biodiversity as an indicator of groundwater discharge. *Estuarine, Coastal and Shelf Science*, 97, pp.38-43.

²¹ Lasagna, M. *et al.* 2013. Effect of the dilution process on the attenuation of contaminants in aquifers. *Environmental earth sciences*, 70(6), pp.2767-2784.

3.4 In Combination Effects

Article 6(3) of the Habitats Directive requires an assessment of a plan or project to consider other plans or programmes that might, in combination with the plan or project, have the likelihood for potential significant effects on European sites. Appendix II outlines a selection of plans or projects that may interact with the Plan to cause in-combination effects on European sites, such as: Carlow County Development Plan 2022-2028; Laois County Development Plan 2021-2027; Carlow Noise Action Plan 2018-2023; Laois County Council Noise Action Plan 2019-2022; Carlow County Council Draft Climate Action Plan 2024-2029; Laois County Council Draft Climate Action Plan 2024-2029; Laois County Council Climate Change Adaptation Strategy; Carlow County Council Climate Change Adaptation Strategy; Draft Carlow Biodiversity Action Plan 2023-2028; Carlow Town Biodiversity Strategy and Action Plan 2021-2025; and Laois Heritage and Biodiversity Strategy 2021-2026. These plans and programmes were considered throughout the assessment.

All projects within the Plan area and receiving environment will be considered in combination with any and all lower tiers projects that may arise due to the implementation of the Plan. Given the uncertainties that exist with regard to the scale and location of developments facilitated by the Plan, it is recognised that the identification of in-combination effects is limited and that the assessment of in-combination effects will need to be undertaken in a more comprehensive manner at the project-level.

Additional information on the relationship with other plans and programmes is provided at Appendix II.

3.5 Conclusion

The potential effects that could arise from the Plan have been examined in the context of several factors that could result in likely significant effects to any European site. On the basis of the findings presented above, it is demonstrated that the Plan:

- Is not directly connected with or necessary to the management of any European site; and
- May, if unmitigated, have likely significant effects on 1 (no.) European site.

Therefore, under Article 6(3) of the Habitats Directive, a Stage 2 AA is required for the Draft Carlow-Graigucullen Joint Urban Local Area Plan 2024-2030. Section 4 of this report provides information in order to inform the competent authority on carrying out Stage 2 AA. An AA Screening Determination undertaken by the planning authority is provided at Figure 3.4.



Screening for Appropriate Assessment

Determination

under
Section 177U of the Planning and Development Act 2000, as amended,
for the

Emerging Draft Carlow-Graiguecullen Joint Urban Draft Local Area Plan 2024-2030

In order to comply with the requirements of the Planning and Development Act 2000, as amended, this determination has been made by Carlow County Council and Laois County Council relating to the potential for the emerging Draft Carlow-Graiguecullen Joint Urban Draft Joint Local Area Plan 2024-2030 (Draft JULAP) to have effects on the integrity of European Sites.

In making the determination that Appropriate Assessment (AA) is required, the information on the potential effects on the integrity of European Sites arising from the emerging Draft JULAP has been taken into account (this information will be placed on public display in the Natura Impact Report alongside the emerging Draft JULAP). The process of screening for AA began at an early stage in the drafting of the JULAP. The screening process assessed whether the emerging Draft JULAP had the potential to have effects on the integrity of any European Site, either alone or in combination with other plans and projects.

The screening process concluded that an AA of the emerging Draft JULAP would be required, as the Plan is not directly connected with or necessary to the management of European Sites; and may, on the basis of objective information, individually, or in combination with other plans and projects, if unmitigated have adverse effects on the integrity of 1 (no.) European Site.

Factors that could potentially affect the integrity of European Sites include:

- The JULAP's provisions, including those relating to housing, economic development, retail and tourism, urban design, town centre and regeneration, sustainable travel and transportation, infrastructure and environmental services, sustainable communities, built heritage, natural heritage, green infrastructure and landscape, climate action and land use zoning and implementation, which introduce sources for potential effects through construction phase such as habitat loss, light pollution, disturbance effects and hydrological interactions through surface hydrological connectivity and/or shared groundwater sources;
- Loading pressures from the operational phase of developments – these sources could result in habitat loss/fragmentation, light pollution, disturbance effects and interactions with water quality (surface and/or groundwater); and
- Increases in visitor numbers to ecologically sensitive areas during the operational phase of developments which have potential to introduce sources for significant effects, such as recreational and tourism developments.

Therefore, Stage 2 AA (including the preparation of the Natura Impact Report) is required for the emerging Draft JULAP.

The undersigned, having carefully considered the information referred to above agrees with and adopts the reasoning and conclusion presented above. The undersigned hereby determines pursuant to Section 177U of the Planning and Development Act 2000, as amended, and for the purposes of Article 6(3) of the Habitats Directive that it could not be excluded, on the basis of objective information, that the emerging Draft JULAP, individually, or in combination with other plans and projects would have a likely adverse effect on the integrity of a European Site. Therefore, an AA is required.

Signatories:



Carlow county Council Director of Services

Date:



Laois County Council Director of Services

Date: 11th December 2023.

Figure 3.3 Screening for Appropriate Assessment Determination

Section 4 Informing Stage 2 Appropriate Assessment

4.1 Introduction

This Natura Impact Report is compiled to inform the competent authority on Stage 2 of the AA process, and in assessing whether the Draft Plan, alone, or in-combination with other plans, programmes, and/or projects, may result in adverse effects on the integrity of the 1 (no.) European site brought forward from screening (for more information refer to Section 3 above) – i.e., those sites considered in Table 3.1, for which a “Likelihood of Significant Effects” and/or “Likelihood of Significant In-Combination Effects” has been identified, with respect to site structure, function, Qualifying Interests, and Conservation Objectives of each European site considered.

4.2 Characterisation of European sites Potentially Affected

Screening for AA (for more information refer to Section 3 above) identified 1 (no.) European site with pathway receptors for potential effects arising from the implementation of the Plan. Appendix I characterises each of the 1 (no.) European site brought forward from Stage 1 in context of each sites’ Qualifying Interests and Conservation Objectives (as listed by the NPWS²²).

4.3 Identifying and Characterising Potential Adverse Effects

The following parameters can be used when characterising impacts²³:

Direct and Indirect Impacts - An impact can be caused either as a direct or as an indirect consequence of a Plan/Project.

Magnitude - Magnitude measures the size of an impact, which is described as high, medium, low, very low or negligible.

Extent - The area over that the impact occurs – this should be predicted in a quantified manner.

Duration - The time that the effect is expected to last prior to recovery or replacement of the resource or feature.

- Temporary: Up to 1 Year;
- Short Term: The effects would take 1-7 years to be mitigated;
- Medium Term: The effects would take 7-15 years to be mitigated;
- Long Term: The effects would take 15-60 years to be mitigated; and
- Permanent: The effects would take 60+ years to be mitigated.

Likelihood – The probability of the effect occurring taking into account all available information.

- Certain/Near Certain: >95% chance of occurring as predicted;
- Probable: 50-95% chance as occurring as predicted;
- Unlikely: 5-50% chance as occurring as predicted; and
- Extremely Unlikely: <5% chance as occurring as predicted.

Ecologically Significant Impact - An impact (negative or positive) on the integrity of a defined site or ecosystem and/or the conservation status of habitats or species within a given geographic area.

Integrity of a Site - The coherence of its ecological structure and function, across its whole area, which enables it to sustain the habitat, complex of habitats and/or the levels of populations of the species for which it was classified.

The Habitats Directive requires the focus of the assessment at this stage to be on the integrity of the site as indicated by its Conservation Objectives. It is an aim of NPWS to draw up conservation management plans for all areas designated for nature conservation. These plans will, among other things, set clear objectives for the conservation of the features of interest within a site.

Site-Specific Conservation Objectives (SSCOs) have been prepared for a number of European sites. These detailed SSCOs aim to define favourable conservation condition for the qualifying habitats and species at that site by setting targets for appropriate attributes that define the character habitat. The maintenance of the favourable condition for these habitats and species at the site level will contribute to the overall maintenance of favourable conservation status of those habitats and species at a national level.

Favourable conservation status of a species can be described as being achieved when: 'population data on the species concerned indicate that it is maintaining itself, and the natural range of the species is neither being reduced or likely to be reduced for the foreseeable future, and there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis.'

²² Available at <https://www.npws.ie/protected-sites> .

²³ These descriptions are informed by publications including: Chartered Institute of Ecology and Environmental Management (2016) “Guidelines for ecological impact assessment”; Environmental Protection Agency (2002) “Guidelines on the Information to be contained in Environmental Impact Statements”; and National Roads Authority (2009) “Guidelines for Assessment of Ecological Impacts of National Roads Schemes”.

Favourable conservation status of a habitat can be described as being achieved when: 'its natural range, and area it covers within that range, is stable or increasing, and the ecological factors that are necessary for its long-term maintenance exist and are likely to continue to exist for the foreseeable future, and the conservation status of its typical species is favourable'.

A First Order Site-Specific Conservation Objective for SACs:

- To maintain or restore the favourable conservation condition of the Annex I habitat(s) and/or the Annex II species that the SAC has been selected.

A First Order Site-Specific Conservation Objective for SPAs:

- To maintain or restore the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA.

4.3.1 Types of potential effects

Assessment of potential effects on European sites is conducted utilising a standard source-pathway model (see approach referred to under Sections 1.3 and 3).

The 2002 European Commission AA guidance outlines the following potential changes that may occur at a designated site, which may result in effects on the integrity and function of that site: loss/reduction of habitat area; habitat or species fragmentation; disturbance to key species; reduction in species density; changes in key indicators of conservation value (water quality etc.); and climate change.

Relevant potential changes are considered in Table 4.1 with reference to the QIs of all of the European sites brought forward from Stage 1 of the AA process (see Section 3).

4.3.1.1 Loss/Reduction of Habitat Area

The Draft Plan provides a framework for granting consent for land use developments and activities across various sectors (see Section 2). Potential effects arising from developments and activities include disturbance effects through light and noise pollution, dust, hydrological interactions, and airborne pollution.

Various measures have been integrated into the Draft Plan, in alignment with the policies and objectives of the existing Carlow County Development Plan 2022-2028 and Laois County Development Plan 2021-2027, with the objective of ensuring that there are no adverse effects on the ecological integrity of any European site. In addition, the Plan introduces measures that ensure that all projects arising from the implementation of the Plan will undergo AA and EIA assessments where required. These policies ensure that there will be no loss of habitat or supporting habitat for species that are necessary to maintain the ecological integrity of European sites, and are provided in Section 5 below.

4.3.1.2 Habitat or species Fragmentation

The Draft Plan provides a framework for granting consent for land use developments and activities across various sectors (see Plan Description in Section 2). Potential effects arising from developments and activities include the fragmentation of habitat and or species through, for example, light pollution, noise pollution or removal of stepping stone habitats.

The Draft Plan, in alignment with the policies and objectives of the existing Carlow County Development Plan 2022-2028 and Laois County Development Plan 2021-2027, includes measures to minimise potential fragmentation, via light and noise pollution, and to facilitate the enhancement of ecological corridors such as, planting of native tree species and/or management of habitats such as riverine systems.

Further to the provisions referred to above, there are provisions related to non-designated sites and specific ecological resources and/or habitats such as hedgerows and waterways such as the Barrow and Burren Rivers. These provisions will ensure that habitat or species fragmentation does not occur in relation to the connectivity of the ecological resources necessary to maintain the ecological integrity of European sites. A full list of these mitigation measures is provided in Section 5.

4.3.1.3 Disturbance to Key Species

The Draft Plan provides a framework for granting consent for land use developments and activities across various sectors (see Section 2).

Disturbance effects are caused by any activity that has potential to alter the movement patterns or distribution of species, for example direct disturbance through human activity/movement as a result of recreation/tourism or noise pollution. Recreational/tourism activities will be managed through

Natura Impact Report in support of the AA for the Draft Carlow-Graigucullen Joint Urban Local Area Plan 2024-2030 provisions from both the Joint Urban Local Area Plan itself, and the existing Carlow County Development Plan 2022-2028 and Laois County Development Plan 2021-2027. Further details on the mitigation measures integrated into the Plan is provided at Section 5.

4.3.1.4 Reduction in species density

Species densities are reliant on species distributions, habitat condition, connectivity of ecological resources and availability of resources such as prey/food. The Plan introduces potential sources for effects on affect these four determinant factors for species densities in the form of construction phase effects such as hydrological interaction or operational effects such as disturbance effects, habitat loss, encroachment, or trampling. However, the Plan contains provisions to enhance biodiversity, landscape and the environment within the Plan area.

The Draft Plan includes provisions related to non-designated sites and specific ecological resources and/or habitats such as hedgerows, treelines, and waterways, such as the Barrow and Burren Rivers, that will ensure that habitat or species fragmentation does not occur in relation to the connectivity of the ecological resources necessary to maintain the species' densities and ecological integrity of European sites. Measures are also included in the existing Carlow County Development Plan 2022-2028 and Laois County Development Plan 2021-2027 that will help protect and improve water quality interactions, which can influence species densities, including those relating to water services infrastructure, protective buffer zones and water quality standards.

4.3.1.5 Changes of Indicators of Conservation Value

Indicators of conservation value are identified as key ecological resources such as water quality, air quality, habitat quality, population health of ecosystem engineers or 'keystone species' etc. The protection of these resources is a key focus of the Draft Joint Urban Local Area Plan and the existing Carlow County Development Plan 2022-2028 and Laois County Development Plan 2021-2027.

This Draft Plan, including its alignment with the policies and objectives of the existing Carlow County Development Plan 2022-2028 and Laois County Development Plan 2021-2027, has many robust policies and objectives to ensure the protection of ground and surface water quality, riverine systems and habitat quality as provided the full list of mitigation measures in Table 5.1.

4.3.1.6 Climate change

Climate provisions within the existing Carlow County Development Plan 2022-2028 and Laois County Development Plan 2021-2027 with which the Draft Plan are aligned, provide for policies that will ensure alignment with and adherence to emissions targets locally and nationally. The Joint Urban Local Area Plan includes various provisions, as listed in Section 5 below, that will help to contribute towards climate mitigation, the reduction of emissions and meeting climate targets. Therefore, at the Plan level, greenhouse gas emissions arising from the Plan will not affect changes projected to arise from climate change to the degree that it would affect the QIs or SCIs of the European sites considered.

Table 4.1 Characterisation of Adverse Effects arising from the Plan

Site Code	Site Name	Characterisation of adverse effects against mitigation measures
002162	River Barrow and River Nore SAC	<p>The known threats to this site are: industrial or commercial areas, intensive cattle grazing, sand and gravel quarries, agricultural intensification, peat extraction, dredging or removal of limnic sediments, modifying structures of inland water courses, fishing and harvesting aquatic resources, port areas, use of fertilizers (forestry), invasive non-native species, forest replanting (native trees), netting, leisure fishing, human induced changes in hydraulic conditions, dykes and flooding defence in inland water systems, erosion, water abstractions from surface waters, changes in abiotic conditions, forest and plantation management & use, removal of hedges and copses or scrub, intensive fish farming, intensification, pollution to surface waters (limnic & terrestrial, marine & brackish), reduction in migration or migration barriers.</p> <p>These pressures relate to: direct land use management, built environment, agriculture, extractive industry, flood risk management, hydrological changes, aquaculture, coastal development, invasive species, forestry, leisure activities, land take and pollution.</p> <p>There are no provisions in the Draft Plan which introduce sources for potential effect from aquaculture, coastal development, forestry or extractive industries to this European site as a result of implementation of the Draft Plan, therefore there are no sources for effects in this regard.</p> <p>The Draft Plan does present sources for potential adverse effects from direct land use management, agriculture, flood risk management, hydrological changes, invasive species, amenity and leisure activities, land take, built environment and pollution, and direct pathways have been identified due to presence of the SAC within the Draft Plan boundary.</p> <p>Therefore, the following mitigation measures have been integrated into the Draft Plan to ensure no adverse effects occur to this European site as a result of the implementation of the Draft Plan:</p> <ul style="list-style-type: none"> • No direct land take or habitat loss will occur due to implementation of the Plan within any European sites or any connectivity corridors necessary to support the ecological integrity of the site, due to policies such as NH. P5, NH. P6, NH. P7, NH. P8 and NH. P9 and compliance with the current Carlow County Development Plan's and Laois County Development Plan's policies and objectives regarding maintenance of supporting or connecting habitat for European sites. • The sustainable and appropriate management of agricultural practices will be appropriately managed in Plan area via compliance with the current Carlow County Development Plan's and Laois County Development Plan's policies and objectives regarding maintenance of supporting or connecting habitat for European sites • The provision and maintenance of good water quality standards and services throughout the Plan area is provided for via policies such as: PW. P1, PW. P2, WW. P1 and WW. P2 70 and compliance with the current Carlow County Development Plan's and Laois County Development Plan's policies and objectives regarding maintenance of supporting or connecting habitat for European sites. • Provision for the protection of riverine systems in the Plan area are adequately provided for via policies such as: SG.01 and SG. O2 and compliance with the current Carlow County Development Plan's and Laois County Development Plan's policies and objectives regarding maintenance of supporting or connecting habitat for European sites. • The Plan also provides for the appropriate management of flood risk zones and measures to mitigate against flood risk within the Plan area via policies such as: FR. P3, FR. P4, FR. P5 AND FR. P6 and compliance with the current Carlow County Development Plan's and Laois County Development Plan's policies and objectives regarding maintenance of supporting or connecting habitat for European sites. • Built environment will be appropriately managed in Plan area through policies such SG. O2 surrounding water quality and development proposals; URD. P11 regarding restricting inappropriate development around waterways; and, compliance with the current Carlow County Development Plan's and Laois County Development Plan's policies and objectives regarding maintenance of supporting or connecting habitat for European sites. • The local amenity and leisure use of sites and tourism is encouraged throughout the plan but with due consideration for sustainability, local biodiversity and European sites through policies objectives such as TD. P1, TD. P4, TD. P11 and TD. P12. • The control and management of the spread and occurrence of invasive species is ensured via compliance with the current Carlow County Development Plan's and Laois County Development Plan's policies and objectives regarding maintenance of supporting or connecting habitat for European sites. <p>For further details in relation to mitigation measures/Policy Objectives incorporated into the Plan please refer to Section 5 below.</p>

Section 5 Mitigation Measures

This section outlines measures that have been incorporated into the Draft Plan and associated existing Carlow County Development Plan 2022-2028 and Laois County Development Plan 2021-2027, in order to mitigate against potential significant effects on European sites as identified above.

These mitigation measures have been designed to ensure that there will be no effects on the ecological integrity of any European site resulting from the implementation of the Draft Plan. The mitigation measures that are most relevant to the protection of European sites resulting from the potential sources and pathways effects identified in Section 3.3 are identified in Table 5.1 below.

Table 5.1 Measures that will protect European sites and their sustaining resources integrated into the Plan

Sources and/or pathways for adverse effects ²⁴	Respective Plan Development Objectives / Mitigation Measure(s)
Alignment with County Development Plans	<p>Chapter 12, Section 12.0 states the following: "Taking account of the foregoing, the policies and objectives of this JULAP are specific to Carlow-Graiguecullen. However, the overarching county level policies and objectives of the Carlow County Development Plan 2022-2028 and the Laois County Development Plan 2021-2027 will also apply", "Where conflict arises between this JULAP and these County Development Plans, the provisions of the respective County Development Plan will take precedence."</p>
Natural Heritage and Biodiversity	<p>SO. 7: Manage the development of Carlow-Graiguecullen in a manner that protects, conserves, and enhances the natural and built heritage of the area.</p> <p>TD. P5: Protect and conserve the natural and built heritage of Carlow-Graiguecullen upon which the tourism industry is based, including landscapes, designated sites, habitats and species, water quality, archaeology and historic buildings and structures.</p> <p>TD. P17: Protect the environmental amenities of Carlow-Graiguecullen from insensitive or inappropriate development, particularly any development that threatens the tourism resources of the joint urban area.</p> <p>SR. P10: Protect and develop the connected networks of existing green spaces in the joint urban area to serve the grow NH. P1: Protect, manage, and enhance the natural heritage, biodiversity, landscape, and environment of Carlow-Graiguecullen in recognition of its importance as a non-renewable resource, a unique identifier, as a natural resource, an ecosystem services asset that can contribute towards sustainable urban drainage, flood management, and climate action.</p> <p>NH. P3: Ensure that Appropriate Assessment Screening, and if required Appropriate Assessment, is carried out in respect of plans and projects in Carlow-Graiguecullen. Where likely significant effects have been identified in respect of any plan or project not directly connected with or necessary to the management of European sites, in particular the River Barrow and River Nore SAC, either individually or in combination with other plans or projects, ensure Appropriate Assessment in accordance with Article 6(3) of the EU Habitats Directive. Carlow County Council and Laois County Council shall only agree to the plan or project after having ascertained that it will not adversely affect the integrity of any European site, in particular the River Barrow and River Nore SAC, unless the plan or project is subject to the provisions of Article 6(4) of the Habitats Directive.</p> <p>NH. P4: Contribute towards the protection, from significant adverse effects, of the ecological integrity, and the visual, recreational, environmental and amenity value of the Oak Park proposed Natural Heritage Area (pNHA) and associated habitats.</p> <p>NH. P5: Promote the carrying out of ecological/habitat assessments to inform the layout and design of development proposals and ensure they integrate the protection and enhancement of biodiversity and landscape features wherever possible in Carlow-Graiguecullen, by minimising adverse impacts on existing habitats (whether designated or not) and by including mitigation and/or compensation measures, as appropriate.</p> <p>NH. P6: Promote increased understanding and awareness of the natural heritage and biodiversity located in the joint urban area of Carlow-Graiguecullen.</p> <p>NH. P7: Promote development for recreation and educational purposes that does not conflict with maintaining the favourable conservation status of the River Barrow and River Nore SAC and Oak Park pNHA, including the achievement of their conservation objectives.</p> <p>NH. P8: Promote, protect, and enhance sustainable and appropriate access to natural heritage in Carlow-Graiguecullen.</p> <p>NH. P9: Identify, protect, conserve, and enhance wherever possible, wildlife habitats and species of local importance in Carlow-Graiguecullen, not otherwise protected by legislation. Such habitats can include woodland, river, wetlands, and grassland areas along with field boundaries (hedgerows, stone walls and ditches). These features form part of a network of habitats and corridors, which allow wildlife to exist and flourish and contribute to compliance with Article 10 of the Habitats Directive</p> <p>H. P10: Protect and enhance the natural environment of Carlow-Graiguecullen and recognise the important role of the natural heritage in the area through its diversity, quality, and integrity, and in terms of enhancing the image of the joint urban area and contributing to quality of life and wellbeing, economic growth, tourism and recreation.</p> <p>GI. P10: Promote appropriate tree planting and pollinator friendly planting, in accordance with the recommendations of the All-Ireland Pollinator Plan 2021-2025 throughout Carlow-Graiguecullen and in open spaces within new developments, in order to enhance local biodiversity, visual amenity and surface water management.</p> <p>GI. P11: Ensure that green areas and open spaces associated with new residential developments and other relevant projects provide multifunctional benefits that enrich quality of life for local communities, ecologically rich areas that enhance biodiversity, and sustainable water management.</p> <p>GI. P14: Seek to protect trees and hedgerows in the joint urban area with a particular local amenity or conservation value and encourage the planting of native tree and hedgerow species.</p> <p>GI. O1: Support the implementation of the Carlow Town Biodiversity Strategy and Action Plan 2021-2025, and any subsequent updated version this document.</p>

²⁴ The measures generally benefit multiple environmental components i.e., a measure providing for the protection of water could beneficially impact upon the protection of biodiversity, flora and fauna, for example. All of the measures included in this table would benefit the protection of European sites.

Sources and/or pathways for adverse effects ²⁴	Respective Plan Development Objectives / Mitigation Measure(s)
	<p>GI. O2: Investigate the feasibility of providing a wetland amenity area on lands comprising the former Sugar Factory lagoons, in conjunction with relevant stakeholders and local community groups, taking account of the environmental sensitivities of the land and the need to ensure impacts to biodiversity and nature conservation interests are avoided.</p>
<p>Peatlands, wetlands and surface water courses</p>	<p>URD. P11: Support the development of underutilised lands along the River Barrow as a strategic natural asset for the town. Any future development of these lands or proposals for an additional bridge should be subject to further studies to inform the exact nature and intensity that could be accommodated without giving rise to adverse effects on sensitive Natura 2000 habitats and consider any in combination effects arising from proposals for a bridge.</p> <p>PW. P6: Contribute towards the protection of existing and potential water resources, and their use by humans and wildlife, including rivers, streams, and groundwater, and associated habitats and species, in accordance with the standards and requirements set out in EU and national legislation and guidance.</p> <p>FR. O2: Seek to ensure that where flood risk management works take place that the natural and cultural heritage of the River Barrow and Burren River is protected and improved where possible.</p> <p>SR. O1: Deliver the River Barrow Water Activity Centre subject to the availability of financing and compliance with all planning and environmental criteria.</p> <p>NH. P2: Support the conservation and enhancement of the River Barrow and River Nore SAC, and to protect the SAC from any plans and projects that are likely to have a significant effect on the coherence or integrity of the designated site, in accordance with relevant EU environmental directives and applicable national legislation, policies, plans and guidelines.</p> <p>GI. P11: Ensure that green areas and open spaces associated with new residential developments and other relevant projects provide multifunctional benefits that enrich quality of life for local communities, ecologically rich areas that enhance biodiversity, and sustainable water management.</p> <p>GI. P12: Take account of Inland Fisheries guidance 'Planning for Watercourses in the Urban Environment, A Guide to the Protection of Watercourses through the use of Buffer Zones, Sustainable Drainage Systems, Instream Rehabilitation, Climate/Flood Risk and Recreational Planning' (2020) when considering development proposals in the vicinity of rivers and streams in Carlow-Graiguecullen.</p> <p>LC. P6: Ensure the effective management of lands adjoining the River Barrow and Burren River and in a manner that maximises views and interactions with these important landscape features in the joint urban area, taking account of the environmental sensitivities of these lands and the need to ensure impacts to biodiversity and nature conservation interests are avoided.</p>
<p>Water services, groundwater and water quality</p>	<p>PW. P1: Support Uisce Éireann in the provision of a sufficient quantity and quality of water to serve the needs of the existing and future population of Carlow-Graiguecullen over the period of the Plan and in accordance with the Core Strategies of Carlow and Laois County Councils, and to promote the sustainable management of the water supply for the joint urban area.</p> <p>PW. P2: Ensure that new developments will be required to connect to the public water supply network in Carlow-Graiguecullen where public water mains are available, and subject to connection agreements with Uisce Éireann and compliance with normal planning and environmental criteria.</p> <p>WW. P1: Facilitate and support Uisce Éireann in the delivery of public wastewater services in Carlow-Graiguecullen to serve the needs of the existing and future population of the Plan area, subject to compliance with normal planning and environmental criteria and the standards and requirements set out in EU and national legislation and guidance.</p> <p>WW. P2: Encourage the decommissioning of existing on-site private wastewater treatment systems and the connection of properties to the public wastewater network in Carlow-Graiguecullen wherever feasible, to minimise risk of groundwater pollution and subject to connection agreements with Uisce Éireann and compliance with normal planning and environmental criteria and the standards and requirements set out in EU and national legislation and guidance. The provision of individual wastewater treatment systems within the Plan boundary will be strongly discouraged to minimise the risk of groundwater pollution.</p> <p>WW. O2: Implement, in conjunction with Uisce Éireann, the relevant recommendations set out in the EPA (2022) publication 'Urban Waste Water Treatment in 2021' and any subsequent update to this document.</p> <p>SG. P1: Maintain and enhance the existing surface water drainage systems in Carlow-Graiguecullen and to protect surface and ground water quality in accordance with the Water Framework Directive.</p> <p>SG. P2: Require the use of Sustainable Urban Drainage Systems (SuDS) within development proposals and infrastructure projects, in accordance with the DHLGH Nature-based Solutions to the Management of Rainwater and Surface Water Runoff in Urban Areas – Best Practice Interim Guidance Document, 2022' (and any subsequent amendments or revisions to the document), Carlow County Council's SuDS Policy, and Laois County Council's Storm Water Management Policy as appropriate, in order to reduce flood risk, improve water quality and enhance biodiversity and amenity in the joint urban area.</p> <p>SG. P3: Ensure that all development proposals maintain surface water discharge at greenfield run-off rate, including an allowance for climate change.</p> <p>SG. O1: Maintain, improve, and enhance the environmental and ecological quality of surface waters and groundwater in Carlow-Graiguecullen in conjunction with the Environmental Protection Agency (EPA) and in accordance with the River Basin Management Plan for Ireland 2018-2021 and any subsequent amendments or revisions to the Plan.</p> <p>SG. O2: Require applicants, where necessary, to demonstrate that development proposals will not negatively impact on any surface water or groundwater body and be compliant with the requirements of the Water Framework Directive and measures to protect and improve our water bodies set down in the River Basin Management Plan for Ireland 2018 – 2021 and any subsequent amendments or revisions to the Plan.</p> <p>SW. P1: Ensure that all development proposals where viable incorporate Sustainable Urban Drainage Systems (SuDS) and other nature-based surface water drainage solutions.</p>

Sources and/or pathways for adverse effects ²⁴	Respective Plan Development Objectives / Mitigation Measure(s)
Tourism	<p>TD. P1: Support and facilitate the development of the tourism industry in Carlow-Graiguecullen with an emphasis on utilising and harnessing the potential of the natural and built heritage of the joint urban area, subject to compliance with normal planning and environmental criteria.</p> <p>TD. P4: Work with key stakeholders, including Carlow Tourism, Fáilte Ireland, the OPW, the Arts Council, the Heritage Council, and key stakeholders, businesses, and local communities, to support the sustainable development and promotion of heritage tourism in Carlow-Graiguecullen.</p> <p>TD. P11: Support the provision of ancillary infrastructure and services that enhance the user experience of the River Barrow and Burren River and which increase tourism activity associated with water-based activities, where appropriate and feasible to do so and subject to normal planning and environmental criteria.</p> <p>TD. P12: Facilitate, where appropriate, increased access to the River Barrow and Burren River, subject to compliance with normal planning and environmental criteria.</p> <p>TD. O1: Support, promote and maximise the role of Carlow Town as a designated Ireland’s Ancient East ‘Destination Town’, and to engage with Fáilte Ireland in developing and promoting future tourism initiatives in the town, including enhancement of public space, the development of a way finding project and welcome signage, transport links, accommodation, the night-time economy, and the sustainable development of our natural and built heritage, in order to capitalise on the potential benefit of the funding for the town.</p>
Built environment	<p>CC. P1: Support and promote the role of Croí Cónaithe (Towns) in delivering the refurbishment of vacant properties in Carlow-Graiguecullen for residential use and as a means of encouraging town centre living in the joint urban area, and subject to compliance with proper planning and environmental considerations.</p> <p>UVD. P1: Encourage and facilitate the appropriate regeneration and reuse of underutilised, vacant, and derelict buildings and sites. Both Councils will continue to use their statutory powers, where appropriate, to consider such buildings and sites for inclusion in the Residential Zoned Land Tax or Register of Derelict Sites.</p> <p>URD. P7: Support increased building heights for river frontage lands in the joint urban area, including along the River Barrow, subject to compliance with best practice urban design, and proper planning and environmental considerations.</p> <p>URD. P11: Support the development of underutilised lands along the River Barrow as a strategic natural asset for the town. Any future development of these lands or proposals for an additional bridge should be subject to further studies to inform the exact nature and intensity that could be accommodated without giving rise to adverse effects on sensitive Natura 2000 habitats and consider any in combination effects arising from proposals for a bridge.</p> <p>W. O1: Support and facilitate the delivery of new and improved walking and cycling network in Carlow-Graiguecullen, which delivers permeability enhancements and connections where appropriate as identified in the Area Based Transport Assessment (ABTA) and in Figures 6.4 and 6.5, in conjunction with the National Transport Authority, other statutory agencies, and relevant stakeholders. Final design details shall be subject to appropriate environmental assessment and undergo a separate public consultation process where applicable.</p>
Invasive species	<p>The management of invasive species’ occurrence and risk where required is provided for by adherence to the policies and objectives of the current Carlow County Development Plan 2022-2028 and the current Laois County Development Plan 2021-2027, via Section 12.0 of Chapter 12, as outlined below:</p> <p>“Taking account of the foregoing, the policies and objectives of this JULAP are specific to Carlow-Graiguecullen. However, the overarching county level policies and objectives of the Carlow County Development Plan 2022-2028 and the Laois County Development Plan 2021-2027 will also apply”, “Where conflict arises between this JULAP and these County Development Plans, the provisions of the respective County Development Plan will take precedence.”</p> <p>This statement therefore renders any development or project resulting from the implementation of this Draft Plan subject to compliance with invasive species policy objectives IS. P1, IS. P2, IS. P3, IS. O1, IS. O2 and IS. O3 of the current Carlow County Development Plan 2022-2028 and BNH 5 of the current Laois County Development Plan 2021-2027.</p>
Agriculture	<p>The management of sustainable and appropriate agricultural practices where required is provided for by adherence to the policies and objectives of the current Carlow County Development Plan 2022-2028 and the current Laois County Development Plan 2021-2027, via Section 12.0 of Chapter 12, as outlined below:</p> <p>“Taking account of the foregoing, the policies and objectives of this JULAP are specific to Carlow-Graiguecullen. However, the overarching county level policies and objectives of the Carlow County Development Plan 2022-2028 and the Laois County Development Plan 2021-2027 will also apply”, “Where conflict arises between this JULAP and these County Development Plans, the provisions of the respective County Development Plan will take precedence.”</p> <p>This statement therefore renders any development or project resulting from the implementation of this Draft Plan subject to compliance with agriculture policy objectives AG. P3 and AG. P4 of the current Carlow County Development Plan 2022-2028 and RL2 and ES32 of the current Laois County Development Plan 2021-2027.</p>
Flood Risk Management	<p>FR. P1: Ensure that all development proposals in Carlow- Graiguecullen comply with the requirements of the Planning System and Flood Risk Management: Guidelines for Planning Authorities (DEHLG and OPW, 2009) and Circular PL2/2014 (and any future revisions or updates to these Guidelines), in particular through the application of the sequential approach and the Development Management Justification Test.</p>

Sources and/or pathways for adverse effects ²⁴	Respective Plan Development Objectives / Mitigation Measure(s)
	<p>FR. P2: Have regard to the findings and recommendations of the Strategic Flood Risk Assessment (SFRA) carried out for this Joint Urban Local Area Plan.</p> <p>FR. P3: Carry out flood risk assessment for the purpose of regulating, restricting, and controlling development in areas at risk of flooding in Carlow-Graigucullen and to minimise the level of flood risk to people, business, infrastructure and the environment through the identification and management of existing and potential future flood risk.</p> <p>FR. P4: Require the submission of a Site-Specific Flood Risk Assessments (FRA) in areas at risk of flooding in Carlow-Graigucullen. The assessment shall be carried out by a suitably qualified and indemnified professional, shall be appropriate to the scale and nature of the risk to the proposed development and shall consider all sources of flooding. The FRA shall be prepared in accordance with the Planning System and Flood Risk Management: Guidelines for Planning Authorities (DEHLG and OPW, 2009) and Circular PL2/2014 (and any future revisions or updates to these Guidelines), and shall address climate change, residual risk, avoidance of contamination of water sources and any proposed site-specific flood management measures.</p> <p>FR. P6: Maintain a riparian (buffer) zone of not less than 10 metres between all watercourses and any development proposals to mitigate against flood risk, with the full extent of the buffer zone to be determined on a case-by-case basis by the Planning Authority, based on site specific characteristics and sensitivities and consultation with Inland Fisheries Ireland.</p> <p>FR. O1: Manage flood risk in Carlow-Graigucullen in conjunction with the Office of Public Works (OPW) and in accordance with the requirements of the Planning System and Flood Risk Management: Guidelines for Planning Authorities (2009), Circular PL02/2014, and any future revisions or updates to these Guidelines.</p> <p>SG. P2: Require the use of Sustainable Urban Drainage Systems (SuDS) within development proposals and infrastructure projects, in accordance with the DHLGH Nature-based Solutions to the Management of Rainwater and Surface Water Runoff in Urban Areas – Best Practice Interim Guidance Document, 2022' (and any subsequent amendments or revisions to the document), Carlow County Council's SuDS Policy, and Laois County Council's Storm Water Management Policy as appropriate, in order to reduce flood risk, improve water quality and enhance biodiversity and amenity in the joint urban area.</p> <p>FR. P5: Minimise flood risk arising from pluvial (surface water) flooding in Carlow-Graigucullen by promoting the use of natural flood risk management measures including the use of Sustainable Urban Drainage Systems (SuDS) and nature-based solutions.</p>
Light, air & noise pollution	<p>The appropriate design of urban centres and hinterlands for the protection of air quality is provided for by adherence to the policies and objectives of the current Carlow County Development Plan 2022-2028 and the current Laois County Development Plan 2021-2027, via Section 12.0 of Chapter 12, as outlined below:</p> <p>"Taking account of the foregoing, the policies and objectives of this JULAP are specific to Carlow-Graigucullen. However, the overarching county level policies and objectives of the Carlow County Development Plan 2022-2028 and the Laois County Development Plan 2021-2027 will also apply", "Where conflict arises between this JULAP and these County Development Plans, the provisions of the respective County Development Plan will take precedence."</p> <p>This statement therefore renders any development or project resulting from the implementation of this Draft Plan subject to compliance with:</p> <ul style="list-style-type: none"> • Light pollution objectives LP. P1 and LP. P3 of the current Carlow County Development Plan 2022-2028 and ES 50 ES 51 and ES 52 of the current Laois County Development Plan 2021-2027. • Air pollution objectives AP. P1 and AP. P2 of the current Carlow County Development Plan 2022-2028 and ES 38 - ES 42 of the current Laois County Development Plan 2021-2027; • Noise pollution objectives NP. P1, NP. P2 and NP. P3 of the current Carlow County Development Plan 2022-2028 and ES 43, ES 44, and ES 45 of the current Laois County Development Plan 2021-2027; and, <p>NH. P11: Ensure that lighting proposals along water courses, rivers, and streams in the joint urban area, are not in conflict with bat species, and to ensure that expert advice is sought on such lighting proposals in order to mitigate the impacts of lighting on bats and other species and habitats.</p>
Climate	<p>SO. 4: Prioritise integrated transport and land use, supported by investment in public transport, active travel networks and shared, low-carbon mobility options, which will improve people's travel choices and support safe, sustainable, and healthy lifestyles.</p> <p>SO. 6: Transition Carlow-Graigucullen to a low-carbon and climate resilient town through a combination of effective mitigation and adaptation measures, in addition to maximising opportunities for energy efficiency, renewables, and decarbonisation.</p> <p>CS. O6: Support the transition of Carlow-Graigucullen to a low-carbon and climate resilient urban area through the promotion of sustainable development patterns, sustainable and active travel, and sustainable energy use, in accordance with the NPF, the RSES' for the Southern Region and Eastern and Midlands Region, and the National Climate Action Plan.</p> <p>RT. O6: Introduce measures to improve the accessibility of Carlow Town Centre, including those that prioritise pedestrians and cyclists, and where feasible those that separate pedestrian and cycle traffic from vehicular traffic.</p> <p>URD. P5: Require that development proposals facilitate a connected network of streets and spaces which prioritise pedestrians and cyclists and provides for the possibility of connections to future development on adjacent lands.</p>

Sources and/or pathways for adverse effects ²⁴	Respective Plan Development Objectives / Mitigation Measure(s)
	<p>LT. P1: Actively support an integrated approach to land use and transport planning in Carlow-Graiguecullen that promotes a shift towards a sustainable, healthy, and low carbon joint urban area with a reduced need for car-based travel, and through the prioritisation of development that is within reasonable walking and cycling distances from key employment, service, educational, and recreational areas, and key public transport nodes.</p> <p>AT. P1: Support the role of the Councils' Active Travel Teams in the promotion and delivery of sustainable and active travel infrastructure and options in Carlow-Graiguecullen, including the provision of new and enhanced walking and cycling routes, widened footpaths, and pedestrian crossings.</p> <p>PT. P1: Promote the sustainable development of Carlow-Graiguecullen by actively engaging with and supporting relevant national transport agencies in their remit to deliver improvements to the public transport network/services for the joint urban area, including at Carlow Railway Station and Carlow Bus Park, and to ensure the provision of integrated public transport services that provide an attractive and convenient alternative to private car travel thereby reducing car dependency for travel purposes.</p> <p>PW. P5: Support best practice water conservation measures in development proposals, including the use of rainwater harvesting systems, roof water collection (water butts), and grey water recycling.</p> <p>CC. P1: Promote and support the development of connected communities and the attainment of the 10-Minute town, having regard the findings of the 10-Minute Towns Study for Carlow, and with an emphasis on active travel and shorter walking and cycling timeframes to social and community facilities, improving permeability in the built environment, and encouraging a reduction in car dependency.</p> <p>CA. P1: Support the transition of Carlow-Graiguecullen to a competitive, low carbon, climate-resilient and environmentally sustainable economy by 2050, by way of reducing greenhouse gases, increasing renewable energy, and improving energy efficiency and conservation.</p> <p>CA. P2: Promote and encourage positive community and/or co-operative led climate action initiatives and projects in Carlow-Graiguecullen that seek to reduce carbon emissions, improve energy efficiency and conservation, enhance green infrastructure, and encourage awareness on climate change issues and impacts.</p> <p>CA. P3: Encourage innovation and facilitate the development of pilot schemes that support climate change mitigation and adaptation measures.</p> <p>CA. O1: Support, in conjunction with key stakeholders, the preparation and implementation of the Climate Action Plans for County Carlow and County Laois, and to facilitate their role as a driver in the mitigation of greenhouse gas emissions and climate change adaptation in Carlow-Graiguecullen, and the translation of national climate policy to local and community levels in the joint urban area.</p> <p>CA. O2: Support and facilitate the role of the Carlow Town Decarbonisation Zone in the delivery of effective climate action at a local level, through interventions, projects, and actions aimed at reducing greenhouse gas emissions and increasing energy efficiency and conservation.</p> <p>LU. P1: Secure climate resilience and a reduction of greenhouse gas emissions in Carlow-Graiguecullen by actively implementing policies which support integrated land use planning and sustainable travel, and maximise such opportunities through development location, form, layout, and design.</p> <p>UR. P1: Secure climate resilience and a reduction of greenhouse gas emissions in Carlow-Graiguecullen through encouragement and support for urban regeneration projects and interventions, including those set out in Project Carlow 2040 – A Vision for Regeneration.</p> <p>UR. P2: Support the effective and efficient use of land in Carlow-Graiguecullen, prioritising compact growth in preference to greenfield land consumption, through the development and regeneration of vacant and underutilised brownfield/infill land and buildings within the existing built-up footprint of the joint urban area.</p> <p>UR. O1: Leverage all available funding streams which will support and deliver urban regeneration outcomes in Carlow-Graiguecullen which seek to secure climate resilience and a reduction of greenhouse gas emissions in the joint urban area.</p> <p>EE. P1: Encourage and promote the consideration of energy efficient and low-carbon design solutions and modern construction methods when carrying out pre-planning discussions for major residential, commercial, and industrial development in Carlow-Graiguecullen.</p> <p>EE. P2: Encourage development proposals that are low carbon, well adapted to the impacts of climate change, include mitigation measures, and maximise energy efficiency through renewable energy sources, water conservation, SuDS, siting, layout and design.</p> <p>EE. P5: Support and facilitate the installation of district heating systems as a decarbonising technology in new developments, subject to compliance with proper planning and environmental considerations.</p> <p>EE. O1: Support the implementation of national energy efficiency standards in Carlow-Graiguecullen, including energy efficiency and conservation measures through:</p> <ul style="list-style-type: none"> • Improved building design; • Promoting smarter travel; and, • Raising awareness/benefits of energy conservation. <p>EE. O3: Retrofit all non-LED local authority public lighting in Carlow-Graiguecullen to high efficiency LED lanterns to contribute to meeting statutory energy efficiency targets, and to significantly reduce emissions and achieve cost savings with energy and maintenance efficiencies.</p>

Sources and/or pathways for adverse effects ²⁴	Respective Plan Development Objectives / Mitigation Measure(s)
Renewable Energy	<p>RE. P1: Encourage and support a transition to renewable energy sources in Carlow-Graiguecullen, subject to compliance with proper planning and environmental considerations.</p> <p>EE. P3: Promote the use of efficient energy storage systems and infrastructure that support energy efficiency and reusable energy system optimisation, subject to compliance with proper planning and environmental considerations.</p> <p>EE. P4: Support the use of blue roofs, green roofs, green walls, photovoltaic and/or solar thermal collector panels and heat pumps on new residential, commercial, industrial, and public buildings</p> <p>EE. P6: Promote the use of efficient energy storage systems and infrastructure in Carlow-Graiguecullen that support energy efficiency and reusable energy system optimisation, subject to compliance with proper planning and environmental considerations.</p> <p>EE. O2: Reduce dependency on fossil fuels for domestic and commercial heating in Carlow-Graiguecullen by encouraging the use of renewable heat solutions through the development management process.</p>
Green / Blue Infrastructure	<p>GI. P1: Protect and enhance the biodiversity and ecological function of the green infrastructure network in Carlow-Graiguecullen.</p> <p>GI. P2: Identify, protect, maintain, and enhance existing and planned green infrastructure assets in Carlow-Graiguecullen, and recognise the wide range of environmental, social, and economic benefits of green spaces and nature-based solutions by ensuring the integration of green infrastructure planning and development in the planning process.</p> <p>GI. P3: Protect and preserve landscape features which significantly contribute to green infrastructure in Carlow-Graiguecullen, including trees, hedgerows, woodlands, wetlands, watercourses, and other habitats.</p> <p>GI. P4: Require the protection and integration of new and existing green infrastructure as an essential component of all new developments in Carlow-Graiguecullen, and to ensure future development does not fragment, damage, or prejudice the integrity of the green infrastructure network in the joint urban area.</p> <p>GI. P6: Require development proposals to include an outline of measures to protect the retained green infrastructure of a site during the period of construction.</p> <p>GI. P7: Require large scale development proposals in the joint urban area such as residential schemes, industrial development, or retail schemes, to submit a green infrastructure plan as an integral part of a planning application.</p> <p>GI. P8: Promote a network of pedestrian and cycle paths to enhance accessibility to the green infrastructure network in Carlow-Graiguecullen, while ensuring that the layout, design, and operation of the routes responds to the ecological protection needs of each site.</p> <p>GI. P9: Incorporate elements of green infrastructure into existing areas of hard infrastructure in the joint urban area, where possible, thereby integrating these areas of the existing urban environment into the overall green infrastructure network.</p> <p>NB. P1: Actively promote and encourage nature-based approaches and green infrastructure solutions in Carlow-Graiguecullen as viable mitigation and adaptation measures to reduce greenhouse gas emissions, increase the adaptive capacity of ecosystems and optimise the multifaceted benefits through:</p> <ul style="list-style-type: none"> • Conservation, promotion, and restoration of the natural environment; • Integrating an ecosystem services approach and promote healthy living environments through enhanced connection with nature and recreation/amenity; • Enhancing biodiversity in the joint urban area; • Assist with water and flood risk management; and, • Carbon storage or sequestration.
Waste Management	<p>WM. P1: Promote and support sustainable forms of waste management by households, communities, and businesses, including waste prevention, minimisation, reuse, recycling, and recovery.</p> <p>WM. P2: Safeguard the environment of the joint urban area by seeking to ensure that residual waste is disposed of appropriately.</p> <p>WM. P3: Ensure that Carlow-Graiguecullen is served by adequately sized public recycling facilities, bring bank recycling facilities, and to adequately maintain existing recycling facilities in the joint urban area.</p> <p>WM. P4: Require the incorporation of sustainable waste management measures within developments, including the provision of adequately sized facilities for the storage, separation, and collection of waste and recyclable materials.</p> <p>WM. O2: Promote and facilitate communities becoming involved in environmental awareness activities and community-based recycling initiatives or environmental management initiatives in support of local sustainable waste management practices.</p> <p>WM. O3: Eliminate unauthorised fly tipping in the joint urban area and to regulate and control the disposal of builder's spoil and rubble.</p>

Section 6 Conclusion

This AA Natura Impact Report demonstrates that the Draft Plan has the potential to result in potential significant effects to the ecological integrity of 1 (no.) European site, if unmitigated.

The risks to the safeguarding and integrity of the Qualifying Interests and Conservation Objectives of the European sites identified have been addressed by the inclusion of mitigation measures into the Draft Plan that will prioritise the avoidance of effects in the first place and mitigate against the identified potential significant effects where these cannot be avoided. In addition, all lower-level plans and projects arising through the implementation of the Plan will themselves be subject to AA/screening for AA when further details of design and location are known.

In-combination effects from interactions with other plans and projects are considered and the mitigation measures incorporated into the Draft Plan are seen to be robust to ensure that there will be no significant effects as a result of the implementation of the Plan either alone or in-combination with other plans/projects.

Having incorporated mitigation measures into the Draft Plan, it has been demonstrated that the Draft Plan is not foreseen to give rise to any significant adverse effects to designated European sites, alone or in combination with other plans or projects²⁵. This demonstration has been made in view of the conservation objectives of the habitats and/or species, for which these sites have been designated.

This Natura Impact Report will, alongside any other inputs from the Plan-preparation/AA process, inform the competent authority when it undertakes the final Appropriate Assessment determination at adoption of the Plan.

²⁵ Except as provided for in Article 6(4) of the Habitats Directive, viz. There must be:
a) no alternative solution available,
b) imperative reasons of overriding public interest for the plan to proceed; and
c) Adequate compensatory measures in place.

Appendix I Background information on European sites

List of European sites within 15 km of the Plan boundary; including the Qualifying features (Qualifying Interests or Special Conservation Interests) and Site Vulnerability/Sensitivity

Site Code	Site Name	Qualifying Feature	Pressure Codes	Known Threats and Pressures
000770	Blackstairs Mountains SAC	European dry heaths [4030], Northern Atlantic wet heaths with Erica tetralix [4010]	G01.03.02, A04.01.02, J01.01, K01.01, E03, G01.02, K02.01, B02, A04.02	Off-road motorized driving, intensive sheep grazing, burning down, erosion, discharges, walking, horse-riding and non-motorised vehicles, species composition change (succession), forest and plantation management & use, non-intensive grazing
000781	Slaney River Valley SAC	Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation [3260], Brook lamprey (<i>Lampetra planeri</i>) [1096], Estuaries [1130], Freshwater pearl mussel (<i>Margaritifera margaritifera</i>) [1029], Harbour seal (<i>Phoca vitulina</i>) [1365], Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410], Mudflats and sandflats not covered by seawater at low tide [1140], Old sessile oak woods with Ilex and Blechnum in the British Isles [91A0], Otter (<i>Lutra lutra</i>) [1355], River lamprey (<i>Lampetra fluviatilis</i>) [1099], Sea lamprey (<i>Petromyzon marinus</i>) [1095], Twaite shad (<i>Alosa fallax</i>) [1103], Alluvial forests with Alnus glutinosa and Fraxinus excelsior (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>) [91E0], Atlantic salmon (<i>Salmo salar</i>) [1106], Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>) [1330]	A01, E03, H01.01, E05, H01.08, C01.01, I01, A08, A09, A10.01, F03.02.04, J02.06, B02, H01, J02.05.02, K01.01, H01.05, J02.06.01, F01.03, J02.11, J02.12.02, D01.01, D01.05, F02.03.01, D03.01.03, J02	Cultivation, discharges, pollution to surface waters by industrial plants, storage of materials, diffuse pollution to surface waters due to household sewage and waste waters, sand and gravel extraction, invasive non-native species, fertilisation, irrigation, removal of hedges and copses or scrub, predator control, water abstractions from surface waters, forest and plantation management & use, pollution to surface waters (limnic & terrestrial, marine & brackish), modifying structures of inland water courses, erosion, diffuse pollution to surface waters due to agricultural and forestry activities, surface water abstractions for agriculture, bottom culture, siltation rate changes, dumping, depositing of dredged deposits, dykes and flooding defence in inland water systems, paths, tracks, cycling tracks, bridge, viaduct, bait digging or collection, fishing harbours, human induced changes in hydraulic conditions
001757	Holdenstown Bog SAC	Transition mires and quaking bogs [7140]	J02.01.03, B01, D02.01.01, A04, A01, X, J02	Infilling of ditches, dykes, ponds, pools, marshes or pits, forest planting on open ground, suspended electricity and phone lines, grazing, cultivation, no threats or pressures, human induced changes in hydraulic conditions
002162	River Barrow and River Nore SAC	Atlantic salmon (<i>Salmo salar</i>) [1106], Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>) [1330], Estuaries [1130], European dry heaths [4030], Brook lamprey (<i>Lampetra planeri</i>) [1096], Desmoulin's whorl snail (<i>Vertigo moulinsiana</i>) [1016], Killarney fern (<i>Trichomanes speciosum</i>) [1421], Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410], Freshwater pearl mussel (<i>Margaritifera margaritifera</i>) [1029], Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels [6430], Alluvial forests with Alnus glutinosa and Fraxinus excelsior (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>) [91E0], Nore Pearl Mussel (<i>Margaritifera durrovensis</i>) [1990], Old sessile oak woods with Ilex and Blechnum in the British Isles [91A0], Otter (<i>Lutra lutra</i>) [1355], Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220], Reefs [1170], River lamprey (<i>Lampetra fluviatilis</i>) [1099], Salicornia and other annuals colonising mud and sand [1310], Sea lamprey (<i>Petromyzon marinus</i>) [1095], Twaite shad (<i>Alosa fallax</i>) [1103], Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation [3260], White-clawed crayfish (<i>Austropotamobius pallipes</i>) [1092], Mudflats and sandflats not covered by seawater at low tide [1140]	E02, A04.01.01, C01.01.01, A02.01, C01.03, J02.02.01, J02.05.02, F02, D03.01, B05, B07, I01, B02.01.01, F02.01.02, F02.03, J02, J02.12.02, K01.01, J02.06, M01, B02, A10.01, F01.01, H01, J03.02.01	Industrial or commercial areas, intensive cattle grazing, sand and gravel quarries, agricultural intensification, peat extraction, dredging or removal of limnic sediments, modifying structures of inland water courses, fishing and harvesting aquatic resources, port areas, use of fertilizers (forestry), forestry activities not referred to above, invasive non-native species, forest replanting (native trees), netting, leisure fishing, human induced changes in hydraulic conditions, dykes and flooding defence in inland water systems, erosion, water abstractions from surface waters, changes in abiotic conditions, forest and plantation management & use, removal of hedges and copses or scrub, intensive fish farming, intensification, pollution to surface waters (limnic & terrestrial, marine & brackish), reduction in migration or migration barriers

List of all Qualifying Interests of SACs that have undergone Assessment including Summaries of Current Threats and Sensitivity to Effects

EU Code	Qualifying Interests	Article 17 Report Summary - Threats and Pressures	Threats and Pressures Codes	Known Threats and Pressures	Sensitivity of Qualifying Interests
[1016]	Desmoulin's Whorl Snail (<i>Vertigo moulinsiana</i>)	The main pressures are associated with natural succession resulting in species composition change and drying out of the habitat.	A07, A10, L01, L02	Abandonment of management/use of other agricultural and agroforestry systems (all except grassland), extensive grazing or under grazing by livestock, abiotic natural processes (e.g., erosion, silting up, drying out, submersion, salinization), natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Changes to ground vegetation condition, groundwater dependent and is highly sensitive to hydrological changes.
[1029]	Freshwater Pearl Mussel (<i>Margaritifera margaritifera</i>)	The pressures facing this species come from a wide variety of sources (e.g., pollution from urban wastewater, development activities, farming and forestry), often quite removed from the species' habitat. Flow changes, caused by land drainage are also a significant pressure facing the species.	A26, A31, B23, B27, C05, D02, F12, F28, F31, F33	Agricultural activities generating diffuse pollution to surface or ground waters, drainage for use as agricultural land, forestry activities generating pollution to surface or ground waters, modification of hydrological conditions, or physical alteration of water bodies and drainage for forestry (including dams), peat extraction, hydropower (dams, weirs, run-off-the-river), including infrastructure, discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water, modification of flooding regimes, flood protection for residential or recreational development, other modification of hydrological conditions for residential or recreational development, abstraction of ground and surface waters (including marine) for public water supply and recreational use	Surface water dependent. Highly sensitive to hydrological change. Very highly sensitive to pollution.
[1092]	White-clawed Crayfish (<i>Austropotamobius pallipes</i>)	The main pressures facing this species is related to the non-indigenous crayfish species (NICS) and Crayfish Plaque, a waterborne disease specific to freshwater crayfish.	I01, I05	Invasive alien species of union concern, plant and animal diseases, pathogens and pests	Invasive species, disease, surface water dependent. Highly sensitive to hydrological change. Very highly sensitive to pollution.
[1095]	Sea Lamprey (<i>Petromyzon marinus</i>)	Most of the pressures on Sea Lampreys are associated with hydropower infrastructure, reduction of prey populations due to overharvesting, drainage and the use of both natural and synthetic fertilisers. Changes in rainfall due to climate change is also considered a significant pressure on the species.	A19, A20, A31, D02, G01, N01, N02, N03, Xo	Application of natural fertilisers on agricultural land, application of synthetic (mineral) fertilisers on agricultural land, drainage for use as agricultural land, hydropower (dams, weirs, run-off-the-river), including infrastructure, marine fishing and shellfish harvesting (professional, recreational) causing reduction of species/prey populations and disturbance of species, temperature changes (e.g., rise of temperature & extremes) due to climate change, increases or changes in precipitation due to climate change, threats and pressures from outside the member state	Marine water dependent. Low sensitivity to hydrological changes. Coastal development, trampling from recreational activity.
[1096]	Brook Lamprey (<i>Lampetra planeri</i>)	Most of the pressures on Brook Lampreys are associated with drainage for agriculture, the use of both natural and synthetic fertilisers, tree removal. Infrastructure related to hydropower along with pollution to ground and surface water and the discharge of waste water are also considered pressures.	A19, A20, A31, B09, D02, F11, F12, N01, N02	Application of natural fertilisers on agricultural land, application of synthetic (mineral) fertilisers on agricultural land, drainage for use as agricultural land, clear-cutting, removal of all trees, hydropower (dams, weirs, run-off-the-river), including infrastructure, pollution to surface or ground water due to urban runoffs, discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water, temperature changes (e.g., rise of temperature & extremes) due to climate change	Surface water dependent. Highly sensitive to hydrological change. Availability of suitable spawning ground is a considerable issue for the species.
[1099]	River Lamprey (<i>Lampetra fluviatilis</i>)	The main pressures on River Lampreys are associated with hydropower infrastructure and changes in rainfall due to climate change. The use of synthetic and natural fertilisers, drainage and also infrastructure related to shipping are also considered to be pressures on the species.	A19, A20, A31, D02, E03, N01, N02, N03	Application of natural fertilisers on agricultural land, application of synthetic (mineral) fertilisers on agricultural land, drainage for use as agricultural land, hydropower (dams, weirs, run-off-the-river), including infrastructure, shipping lanes, ferry lanes and anchorage infrastructure (e.g., canalisation, dredging), temperature changes (e.g., rise of temperature & extremes) due to climate change, increases or changes in precipitation due to climate change	Surface water dependent. Highly sensitive to hydrological change. Availability of suitable spawning ground is a considerable issue for the species.
[1103]	Twaite Shad (<i>Alosa fallax fallax</i>)	There are a number of pressures related to this species, mainly relating to pollution, alteration of flow patterns, and habitat disturbance/	A19, A20, D02, E03, G01, G06, G12, I02, N01, N03	Application of natural fertilisers on agricultural land, application of synthetic (mineral) fertilisers on agricultural land, hydropower (dams, weirs, run-off-the-river), including infrastructure, shipping lanes, ferry lanes and anchorage infrastructure (e.g., canalisation, dredging), marine fishing and shellfish harvesting (professional, recreational) causing reduction of species/prey populations and disturbance of species, freshwater fish and shellfish harvesting (recreational), bycatch and incidental killing (due to fishing and hunting activities), other invasive alien species (other than species of union concern), temperature changes (e.g., rise of temperature & extremes) due to climate change, increases or changes in precipitation due to climate change	Changes in management. Changes in nutrient or base status. Moderately sensitive to hydrological change.
[1106]	Salmon (<i>Salmo salar</i>)	Known pressures include exploitation at sea in commercial fisheries, interceptor fisheries in coastal waters, aquaculture and predation. In addition, the negative influence of climate change on prey	A25, A26, B23, D02, F12, F28, G11, G19,	Agricultural activities generating point source pollution to surface or ground waters, agricultural activities generating diffuse pollution to surface or ground waters, forestry activities generating pollution to surface or ground waters, hydropower (dams, weirs, run-off-the-river), including infrastructure, discharge of urban waste water (excluding	Disease, parasites and barriers to movement.

EU Code	Qualifying Interests	Article 17 Report Summary - Threats and Pressures	Threats and Pressures Codes	Known Threats and Pressures	Sensitivity of Qualifying Interests
		structure as well as alterations in habitat and water quality are also pressures on the species.	G20, I02, J01, K05, L06, N01	storm overflows and/or urban run-offs) generating pollution to surface or ground water, modification of flooding regimes, flood protection for residential or recreational development, illegal harvesting, collecting and taking, other impacts from marine aquaculture, including infrastructure, abstraction of water, flow diversion, dams and other modifications of hydrological conditions for freshwater aquaculture, other invasive alien species (other than species of union concern), mixed source pollution to surface and ground waters (limnic and terrestrial), physical alteration of water bodies, interspecific relations (competition, predation, parasitism, pathogens), temperature changes (e.g., rise of temperature & extremes) due to climate change	
[1130]	Estuaries	Most of the pressures on estuaries come from various sources of pollution, including domestic wastewater, agriculture and marine aquaculture. Alien invasive species such as the naturalised Pacific oyster (<i>Magallana gigas</i>) are also recognised as a significant pressure	A28, F20, G16, I02, XU	Agricultural activities generating marine pollution, residential or recreational activities and structures generating marine pollution (excl. marine macro- and micro- particular pollution, marine aquaculture generating marine pollution, other invasive alien species (other than species of union concern), unknown pressure	Inappropriate development, changes in turbidity
[1140]	Mudflats and sandflats not covered by seawater at low tide	Pressures on mudflats and sandflats are partly caused by pollution from agricultural, forestry and wastewater sources, as well as impacts associated with marine aquaculture, particularly the Pacific oyster (<i>Magallana gigas</i>).	A28, F20, G16	Agricultural activities generating marine pollution, residential or recreational activities and structures generating marine pollution (excl. marine macro- and micro- particular pollution, marine aquaculture generating marine pollution	Surface and marine water dependent. Moderately sensitive to hydrological change. Moderate sensitivity to pollution. Changes to salinity and tidal regime. Coastal development.
[1170]	Reefs	The main pressures on reefs come from fishing methods that damage the seafloor.	G01, G03	Marine fishing and shellfish harvesting (professional, recreational) causing reduction of species/prey populations and disturbance of species, marine fish and shellfish harvesting (professional, recreational) activities causing physical loss and disturbance of seafloor habitats	Sensitive to disturbance and pollution.
[1310]	Salicornia and other annuals colonising mud and sand	Pressures on Salicornia mud are caused by alien species and overgrazing by livestock	A09, I02	Intensive grazing or overgrazing by livestock, other invasive alien species (other than species of union concern)	Marine water dependent. Medium sensitivity to hydrological change. Changes in salinity and tidal regime. Infilling, reclamation, invasive species.
[1330]	Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>)	The main pressures on Atlantic salt meadows are from agriculture, including ecologically unstable grazing regimes and land reclamation, and the invasive non-native species common cord-grass (<i>Spartina anglica</i>).	A09, A33, A36, F07, F08, I02	Intensive grazing or overgrazing by livestock, modification of hydrological flow or physical alternation of water bodies for agriculture (excluding development and operation of dams), agriculture activities not referred to above, sports, tourism and leisure activities, modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defence or coast protection works and infrastructures), other invasive alien species (other than species of union concern)	Marine and groundwater dependent. Medium sensitivity to hydrological change. Changes in salinity and tidal regime. Overgrazing, erosion and accretion.
[1355]	Otter (<i>Lutra lutra</i>)	There are no pressures facing this species	Xxp, Xxt	No pressures, no threats	Surface and marine water dependent. Moderately sensitive to hydrological change. Sensitivity to pollution.
[1365]	Harbour Seal (<i>Phoca vitulina</i>)	Pressures on this species in Irish waters mainly involve commercial vessel-based activities such as local/regional prey removal by fisheries or by-catch in fisheries, or geophysical seismic exploration; other possible impacts may occur from coastal tourism and localised human disturbance at haul-out sites.	C09, G01	Geotechnical surveying, marine fishing and shellfish harvesting (professional, recreational) causing reduction of species/prey populations and disturbance of species	Prey availability, reduction in available habitat and water quality.
[1410]	Mediterranean salt meadows (<i>Juncetalia maritimi</i>)	Most of the pressures on Mediterranean salt meadows are associated with agriculture, including overgrazing, under-grazing and land reclamation.	A09, A10, A33, A36	Intensive grazing or overgrazing by livestock, extensive grazing or under grazing by livestock, modification of hydrological flow or physical alternation of water bodies for agriculture (excluding development and operation of dams), agriculture activities not referred to above	Marine and groundwater dependent. Medium sensitivity to hydrological change. Changes in salinity and tidal regime. Coastal development and reclamation.

EU Code	Qualifying Interests	Article 17 Report Summary - Threats and Pressures	Threats and Pressures Codes	Known Threats and Pressures	Sensitivity of Qualifying Interests
[1421]	Killarney Fern (<i>Trichomanes speciosum</i>)	There are no pressures facing this species.	Xxp, Xxt	No pressures, no threats	Land use management and direct impacts.
[3260]	Water courses of plain to montane levels with vegetation (<i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i>)	The majority of pressures on this habitat are caused by damage through hydrological and morphological change, eutrophication and other water pollution.	A25, A26, B23, C05, F11, F12, F13, K01, K04, K05	Agricultural activities generating point source pollution to surface or ground waters, agricultural activities generating diffuse pollution to surface or ground waters, forestry activities generating pollution to surface or ground waters, peat extraction, pollution to surface or ground water due to urban runoffs, discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water, plants, contaminated or abandoned industrial sites generating pollution to surface or ground water, abstraction from groundwater, surface water or mixed water, modification of hydrological flow, physical alteration of water bodies	Surface water dependent Highly sensitive to hydrological change and direct physical interactions.
[4010]	Northern Atlantic wet heaths with <i>Erica tetralix</i>	Overgrazing, burning, wind farm development and erosion are the main pressures associated with this habitat, along with nitrogen deposition from agricultural activities that generate air pollution.	A09, A11, A27, B01, D01, L01, N01, N02	Intensive grazing or overgrazing by livestock, burning for agriculture, agricultural activities generating air pollution, conversion to forest from other land uses, or afforestation (excluding drainage), wind, wave and tidal power, including infrastructure, abiotic natural processes (e.g., erosion, silting up, drying out, submersion, salinization), temperature changes (e.g., rise of temperature & extremes) due to climate change	Surface and groundwater dependent. Highly sensitive to hydrological changes. Inappropriate management.
[4030]	European dry heaths	A number of significant pressures were recorded for this habitat in the current reporting period, particularly overgrazing by sheep and burning for agriculture with afforestation and wind farms also being recognised as pressures.	A09, A11, B01, D01, N01, N02	Intensive grazing or overgrazing by livestock, burning for agriculture, conversion to forest from other land uses, or afforestation (excluding drainage), wind, wave and tidal power, including infrastructure, temperature changes (e.g., rise of temperature & extremes) due to climate change	Moderately sensitive to hydrological change. Changes in management. Changes in nutrient status.
[6430]	Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels	Pressures on the habitat include invasive species; and agricultural intensification and drainage in the lowlands.	A09, A31, I01, I02	Intensive grazing or overgrazing by livestock, drainage for use as agricultural land, invasive alien species of union concern, other invasive alien species (other than species of union concern)	Changes in management such as grazing regime. Changes in nutrient or base status. Changes to vegetation composition. Introduction of alien species.
[7140]	Transition mires and quaking bogs	The main pressures facing transition mires in Ireland are afforestation, water pollution, drainage and hydrological changes with grazing/agricultural management also being a pressure.	A06, A09, B01, C05, J01, K01, K02, K04, L02	Abandonment of grassland management (e.g., cessation of grazing or of mowing), intensive grazing or overgrazing by livestock, conversion to forest from other land uses, or afforestation (excluding drainage), peat extraction, mixed source pollution to surface and ground waters (limnic and terrestrial), abstraction from groundwater, surface water or mixed water, drainage, modification of hydrological flow, natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Surface water interactions. Groundwater isolated system with sensitivities related to the bog basin. Drainage and land use management are the key things.
[7220]	Petrifying springs with tufa formation (<i>Cratoneurion</i>)	Pressures related to this habitat are associated with drainage, pollution to ground and surface waters, recreational activities, infrastructure, overgrazing and abandonment of grassland management.	A06, A10, E01, F07, H08, J01, K02, K04, L02	Abandonment of grassland management (e.g., cessation of grazing or of mowing), extensive grazing or under grazing by livestock, roads, paths, railroads and related infrastructure (e.g., bridges, viaducts, tunnels), sports, tourism and leisure activities, other human intrusions and disturbance not mentioned above (dumping, accidental and deliberate disturbance of bat roosts (e.g., caving)), mixed source pollution to surface and ground waters (limnic and terrestrial), drainage, modification of hydrological flow, natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Surface and groundwater dependant. Highly sensitive to hydrological changes. Highly sensitive to pollution.
[91A0]	Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles	The significant pressure facing this habitat are associated with invasive non-native species such as <i>Rhododendron ponticum</i> , cherry laurel (<i>Prunus laurocerasus</i>) and beech (<i>Fagus sylvatica</i>) and overgrazing by deer.	A09, B09, I02, I04, M07	Intensive grazing or overgrazing by livestock, clear-cutting, removal of all trees, other invasive alien species (other than species of union concern), problematic native species, storm, cyclone	Changes in management. Changes in nutrient or base status. Introduction of alien species.
[91E0]	Alluvial forests with Alder and Ash (<i>Alnus glutinosa</i> , <i>Fraxinus excelsior</i> , <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)	Many of the pressures facing this habitat include invasive species, particularly sycamore (<i>Acer pseudoplatanus</i>), beech (<i>Fagus sylvatica</i>), Indian balsam (<i>Impatiens glandulifera</i>) and currant species (<i>Ribes nigrum</i> and <i>R. rubrum</i>) as well as some native species such as brambles (<i>Rubus fruticosus agg.</i>) and common nettle, along with over felling.	B09, I02, I04, I05	Clear-cutting, removal of all trees, other invasive alien species (other than species of union concern), problematic native species, plant and animal diseases, pathogens and pests	Surface and groundwater dependent. Highly sensitive to hydrological changes. Changes in management.

Appendix II Relationship with Other Plans and Programmes

This appendix is not intended to be a full and comprehensive review of EU Directives, the transposing regulations or the regulatory framework for environmental protection and management. The information is not exhaustive and it is recommended to consult the Directive, Regulation, Plan or Programme to become familiar with the full details of each.

Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
European Level			
SEA Directive (2001/42/EC)	<ul style="list-style-type: none"> Contribute to the integration of environmental considerations into the preparation and adoption of plans and programmes with a view to promoting sustainable development. Provide for a high level of protection of the environment by carrying out an environmental assessment of plans and programmes which are likely to have significant effects on the environment. 	<ul style="list-style-type: none"> Carry out an environmental assessment for plans or programmes referred to in Articles 2 to 4 of the Directive. Prepare an environmental report which identifies, describes and evaluates the likely significant effects on the environment of implementing the plan or programme and reasonable alternatives that consider the objectives and the geographical scope of the plan or programme. Consult with relevant authorities, stakeholders and public allowing sufficient time to make a submission. Consult other Member States where the implementation of a plan or programme is likely to have transboundary environmental effects. Inform relevant authorities and stakeholders on the decision to implement the plan or programme. Issue a statement to include requirements detailed in Article 9 of the Directive. Monitor and mitigate significant environmental effects identified by the assessment. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
EIA Directive (2011/92/EU as amended by 2014/52/EU)	<ul style="list-style-type: none"> Requires the assessment of the environmental effects of public and private projects which are likely to have significant effects on the environment. Aims to assess and implement avoidance or mitigation measures to eliminate environmental effects, before consent is given of projects likely to have significant effects on the environment by virtue, inter alia, of their nature, size or location are made subject to a requirement for development consent and an assessment with regard to their effects. Those projects are defined in Article 4. 	<ul style="list-style-type: none"> All projects listed in Annex I are considered as having significant effects on the environment and require an EIA. For projects listed in Annex II, a "screening procedure" is required to determine the effects of projects on the basis of thresholds/criteria or a case by case examination. This should take into account Annex III. The environmental impact assessment shall identify, describe and assess in an appropriate manner, in the light of each individual case and in accordance with Articles 4 to 12, the direct and indirect effects of a project on the following factors: human beings, fauna and flora, soil, water, air, climate and the landscape, material assets and the cultural heritage, the interaction between each factor. Consult with relevant authorities, stakeholders and public allowing sufficient time to make a submission before a decision is made. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Habitats Directive (92/43/EEC)	<ul style="list-style-type: none"> Promote the preservation, protection and improvement of the quality of the environment, including the conservation of natural habitats and of wild fauna and flora. Contribute towards ensuring biodiversity through the conservation of natural habitats and of wild fauna and flora. Maintain or restore to favourable conservation status, natural habitats and species of wild fauna and flora of community interest. Promote the maintenance of biodiversity, taking account of economic, social, cultural and regional requirements. 	<ul style="list-style-type: none"> Propose and protect sites of importance to habitats, plant and animal species. Establish a network of European sites hosting the natural habitat types listed in Annex I and habitats of the species listed in Annex II, to enable the natural habitat types and the species' habitats concerned to be maintained or, where appropriate, restored at a favourable conservation status in their natural range. Carry out comprehensive assessment of habitat types and species present. Establish a system of strict protection for the animal species and plant species listed in Annex IV. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Birds Directive (2009/147/EC)	<ul style="list-style-type: none"> Conserve all species of naturally occurring birds in the wild state including their eggs, nests and habitats. Protect, manage and control these species and comply with regulations relating to their exploitation. The species included in Annex I shall be the subject of special conservation measures concerning their habitat in order to ensure their survival and reproduction in their area of distribution. 	<ul style="list-style-type: none"> Preserve, maintain or re-establish a sufficient diversity and area of habitats for all the species of birds referred to in Annex 1. Preserve, maintain and establish biotopes and habitats to include the creation of protected areas (Special Protection Areas). Ensure the upkeep and management in accordance with the ecological needs of habitats inside and outside the protected zones, re-establish destroyed biotopes and creation of biotopes. Measures for regularly occurring migratory species not listed in Annex I is required as regards their breeding, moulting and wintering areas and staging posts along their migration routes. The protection of wetlands and particularly wetlands of international importance. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
EU Nitrates Directive (91/676/EC)	<ul style="list-style-type: none"> Reducing water pollution caused or induced by nitrates from agricultural sources and - preventing further such pollution. 	<p>Ireland's Nitrates Action Programme is designed to prevent pollution of surface waters and ground water from agricultural sources and to protect and improve water quality. Ireland's third NAP came into operation in 2014. Each Member State's NAP must include:</p> <ul style="list-style-type: none"> a limit on the amount of livestock manure applied to the land each year set periods when land spreading is prohibited due to risk set capacity levels for the storage of livestock manure 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.

Natura Impact Report in support of the AA for the Draft Carlow-Graigucullen Joint Urban Local Area Plan 2024-2030

Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
EU Integrated Pollution Prevention Control Directive (2008/1/EC)	<ul style="list-style-type: none"> The purpose of this Directive is to achieve integrated prevention and control of pollution arising from the activities listed in Annex I. It lays down measures designed to prevent or, where that is not practicable, to reduce emissions in the air, water and land from the abovementioned activities, including measures concerning waste, in order to achieve a high level of protection of the environment taken as a whole, without prejudice to Directive 85/337/EEC and other relevant Community provisions. 	<p>The IPPC Directive is based on several principles:</p> <ul style="list-style-type: none"> an integrated approach best available techniques, flexibility; and public participation 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU Plant Protection (products) Directive 2009/127/EC	<ul style="list-style-type: none"> The Directive aims at reducing the risks and impacts of pesticide use on human health and the environment by introducing different targets, tools and measures such as Integrated Pest Management (IPM) or National Action Plans (NAPs). 	<ul style="list-style-type: none"> The Framework Directive applies to pesticides which are plant protection products. Regarding pesticide application equipment already in professional use, the Framework Directive introduces requirements for the inspection and maintenance to be carried out on such equipment. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU Renewables Directive (2009/28/EC)	<ul style="list-style-type: none"> The Renewable Energy Directive establishes an overall policy for the production and promotion of energy from renewable sources in the EU. It requires the EU to fulfil at least 20% of its total energy needs with renewables by 2020 – to be achieved through the attainment of individual national targets. All EU countries must also ensure that at least 10% of their transport fuels come from renewable sources by 2020. 	<ul style="list-style-type: none"> The Directive promotes cooperation amongst EU countries (and with countries outside the EU) to help them meet their renewable energy targets. The Directive specifies national renewable energy targets for each country, taking into account its starting point and overall potential for renewables. EU countries set out how they plan to meet these targets and the general course of their renewable energy policy in national renewable energy action plans. Progress towards national targets is measured every two years when EU countries publish national renewable energy progress reports. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Indirect Land Use Change Directive (2012/0288(COD))	<ul style="list-style-type: none"> Article 3(4) of Directive 2009/28/EC of the European Parliament and of the Council (3) requires Member States to ensure that the share of energy from renewable energy sources in all forms of transport in 2020 is at least 10 % of their final energy consumption. The blending of biofuels is one of the methods available for Member States to meet this target, and is expected to be the main contributor. Other methods available to meet the target are the reduction of energy consumption, which is imperative because a mandatory percentage target for energy from renewable sources is likely to become increasingly difficult to achieve sustainably if overall demand for energy for transport continues to rise, and the use of electricity from renewable energy sources. 	<ul style="list-style-type: none"> Limit the contribution that conventional biofuels (with a risk of ILUC emissions) make towards attainment of the targets in the Renewable Energy Directive; Improve the greenhouse gas performance of biofuel production processes (reducing associated emissions) by raising the greenhouse gas saving threshold for new installations subject to protecting installations already in operation on 1st July 2014; Encourage a greater market penetration of advanced (low-ILUC) biofuels by allowing such fuels to contribute more to the targets in the Renewable Energy Directive than conventional biofuels; Improve the reporting of greenhouse gas emissions by obliging Member States and fuel suppliers to report the estimated indirect land-use change emissions of biofuels. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Alternative Fuels Infrastructure Directive (2014/94/EU)	<ul style="list-style-type: none"> This Directive establishes a common framework of measures for the deployment of alternative fuels infrastructure in the Union in order to minimise dependence on oil and to mitigate the environmental impact of transport. 	<ul style="list-style-type: none"> This Directive sets out minimum requirements for the building-up of alternative fuels infrastructure, including recharging points for electric vehicles and refuelling points for natural gas (LNG and CNG) and hydrogen, to be implemented by means of Member States' national policy frameworks, as well as common technical specifications for such recharging and refuelling points, and user information requirements. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU Energy Efficiency Directive (2012/27/EU)	<ul style="list-style-type: none"> Establishes a set of binding measures to help the EU reach its 20% energy efficiency target by 2020. Under the Directive, all EU countries are required to use energy more efficiently at all stages of the energy chain, from production to final consumption. 	<ul style="list-style-type: none"> Energy distributors or retail energy sales companies have to achieve 1.5% energy savings per year through the implementation of energy efficiency measures EU countries can opt to achieve the same level of savings through other means, such as improving the efficiency of heating systems, installing double glazed windows or insulating roofs The public sector in EU countries should purchase energy efficient buildings, products and services Every year, governments in EU countries must carry out energy efficient renovations on at least 3% (by floor area) of the buildings they own and occupy Energy consumers should be empowered to better manage consumption. This includes easy and free access to data on consumption through individual metering National incentives for SMEs to undergo energy audits Large companies will make audits of their energy consumption to help them identify ways to reduce it Monitoring efficiency levels in new energy generation capacities. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>

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EU Seveso Directive (2012/18/EU)	<ul style="list-style-type: none"> This Directive lays down rules for the prevention of major accidents which involve dangerous substances, and the limitation of their consequences for human health and the environment, with a view to ensuring a high level of protection throughout the Union in a consistent and effective manner. 	<p>The Seveso Directive is well integrated with other EU policies, thus avoiding double regulation or other administrative burden. This includes the following related policy areas:</p> <ul style="list-style-type: none"> Classification, labelling and packaging of chemicals; The Union's Civil Protection Mechanism; The Security Union Agenda including CBRN-E and Protection of critical infrastructure; Policy on environmental liability and on the protection of the environment through criminal law; Safety of offshore oil and gas operations. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Biodiversity Strategy for 2030 – Bringing nature back into our lives (European Commission, 2020)	<ul style="list-style-type: none"> The EU's biodiversity strategy for 2030 is a comprehensive, ambitious and long-term plan to protect nature and reverse the degradation of ecosystems. The strategy aims to put Europe's biodiversity on a path to recovery by 2030, and contains specific actions and commitments. 	<p>The Strategy contains specific commitments and actions to be delivered by 2030, including:</p> <ul style="list-style-type: none"> Establishing a larger EU-wide network of protected areas on land and at sea, building upon existing Natura 2000 areas, with strict protection for areas of very high biodiversity and climate value. An EU Nature Restoration Plan - a series of concrete commitments and actions to restore degraded ecosystems across the EU by 2030, and manage them sustainably, addressing the key drivers of biodiversity loss. A set of measures to enable the necessary transformative change: setting in motion a new, strengthened governance framework to ensure better implementation and track progress, improving knowledge, financing and investments and better respecting nature in public and business decision-making. Measures to tackle the global biodiversity challenge, demonstrating that the EU is ready to lead by example towards the successful adoption of an ambitious global biodiversity framework under the Convention on Biological Diversity. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU Green Infrastructure Strategy	<p>Aims to create a robust enabling framework in order to promote and facilitate Green Infrastructure (GI) projects.</p>	<ul style="list-style-type: none"> Promoting GI in the main EU policy areas. Supporting EU-level GI projects. Improving access to finance for GI projects. Improving information and promoting innovation. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
UN Kyoto Protocol (2nd Kyoto Period), the Second European Climate Change Programme (ECCP II), Paris climate conference (COP21) 2015 (Paris Agreement)	<p>The UN Kyoto Protocol set of policy measures to reduce greenhouse gas emissions.</p> <p>The Second European Climate Change Programme (ECCP II) aims to identify and develop all the necessary elements of an EU strategy to implement the Kyoto Protocol.</p> <p>At the Paris climate conference (COP21) in December 2015, 195 countries adopted the first-ever universal, legally binding global climate deal. The agreement sets out a global action plan to put the world on track to avoid dangerous climate change by limiting global warming to well below 2°C.</p>	<ul style="list-style-type: none"> The Kyoto Protocol is implemented through the European Climate Change Programme (ECCP II). EU member states implement measures to improve on or compliment the specified measures and policies arising from the ECCP. Under COP21, governments agreed to come together every 5 years to set more ambitious targets as required by science; report to each other and the public on how well they are doing to implement their targets; track progress towards the long-term goal through a robust transparency and accountability system. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU 2020 Climate and Energy Package	<ul style="list-style-type: none"> Binding legislation which aims to ensure the European Union meets its climate and energy targets for 2020. Aims to achieve a 20% reduction in EU greenhouse gas emissions from 1990 levels. Aims to raise the share of EU energy consumption produced from renewable resources to 20%. Achieve a 20% improvement in the EU's energy efficiency. 	<p>Four pieces of complimentary legislation:</p> <ul style="list-style-type: none"> Reform of the EU Emissions Trading System (EU ETS) to include a cap on emission allowances in addition to existing system of national caps. Member States have agreed national targets for non-EU ETS emissions from countries outside the EU. Meet the national renewable energy targets of 16% for Ireland by 2020. Preparing a legal framework for technologies in carbon capture and storage. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU 2030 Framework for Climate and Energy	<ul style="list-style-type: none"> A 2030 Framework for climate and energy, including EU-wide targets and policy objectives for the period between 2020 and 2030 that has been agreed by European countries. Targets include a 40% cut in greenhouse gas emissions compared to 1990 levels, at least a 27% share of renewable energy consumption and at least 27% energy savings compared with the business-as-usual scenario. 	<p>To meet the targets, the European Commission has proposed the following policies for 2030:</p> <ul style="list-style-type: none"> A reformed EU emissions trading scheme (ETS). New indicators for the competitiveness and security of the energy system, such as price differences with major trading partners, diversification of supply, and interconnection capacity between EU countries. First ideas for a new governance system based on national plans for competitive, secure, and sustainable energy. These plans will follow a common EU approach. They will ensure stronger investor certainty, greater transparency, enhanced policy coherence and improved coordination across the EU. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
The Clean Air for Europe Directive (2008/50/EC)	<ul style="list-style-type: none"> The CAFE Directive merges existing legislation into a single directive (except for the fourth daughter directive). 	<ul style="list-style-type: none"> Sets objectives for ambient air quality designed to avoid, prevent or reduce harmful effects on human health and the environment as a whole. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc.,</p>

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<p>(EU Air Framework Directive)</p> <p>Fourth Daughter Directive (2004/107/EC)</p>	<ul style="list-style-type: none"> Sets new air quality objectives for PM_{2.5} (fine particles) including the limit value and exposure related objectives. Accounts for the possibility to discount natural sources of pollution when assessing compliance against limit values. Allows the possibility for time extensions of three years (PM₁₀) or up to five years (NO₂, benzene) for complying with limit values, based on conditions and the assessment by the European Commission. The Fourth Daughter Directive lists pollutants, target values and monitoring requirements for the following: arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air. 	<ul style="list-style-type: none"> Aims to assess the ambient air quality in Member States on the basis of common methods and criteria. Obtains information on ambient air quality in order to help combat air pollution and nuisance and to monitor long-term trends and improvements resulting from national and community measures. Ensures that such information on ambient air quality is made available to the public. Aims to maintain air quality where it is good and improving it in other cases. Aims to promote increased cooperation between the Member States in reducing air pollution. 	<p>individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Noise Directive (2002/49/EC)</p>	<p>The Noise Directive - Directive 2002/49/EC relating to the assessment and management of environmental noise - is part of an EU strategy setting out to reduce the number of people affected by noise in the longer term and to provide a framework for developing existing Community policy on noise reduction from source.</p>	<p>The Directive requires competent authorities in Member States to:</p> <ul style="list-style-type: none"> Draw up strategic noise maps for major roads, railways, airports and agglomerations, using harmonised noise indicators and use these maps to assess the number of people which may be impacted upon as a result of excessive noise levels; Draw up action plans to reduce noise where necessary and maintain environmental noise quality where it is good; and Inform and consult the public about noise exposure, its effects, and the measures considered to address noise. <p>The Directive does not set any limit value, nor does it prescribe the measures to be used in the action plans, which remain at the discretion of the competent authorities.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Floods Directive (2007/60/EC)</p>	<ul style="list-style-type: none"> Establishes a framework for the assessment and management of flood risks Reduce adverse consequences for human health, the environment, cultural heritage and economic activity associated with floods in the Community 	<ul style="list-style-type: none"> Assess all water courses and coast lines at risk from flooding through Flood Risk Assessment Prepare flood hazard maps and flood risk maps outlining the extent or potential of flooding and assets and humans at risk in these areas at River Basin District level (Article 3(2) (b)) and areas covered by Article 5(1) and Article 13(1) (b) in accordance with paragraphs 2 and 3. Implement flood risk management plans and take adequate and coordinated measures to reduce flood risk for the areas covered by the Articles listed above. Inform the public and allow the public to participate in planning process. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Water Framework Directive (2000/60/EC)</p>	<ul style="list-style-type: none"> Establish a framework for the protection of water bodies to include inland surface waters, transitional waters, coastal waters and groundwater and their dependent wildlife and habitats. Preserve and prevent the deterioration of water status and where necessary improve and maintain “good status” of water bodies. Promote sustainable water usage. The Water Framework Directive repealed the following Directives: <ul style="list-style-type: none"> The Drinking Water Abstraction Directive Sampling Drinking Water Directive Exchange of Information on Quality of Surface Freshwater Directive Shellfish Directive Freshwater Fish Directive Groundwater (Dangerous Substances) Directive Dangerous Substances Directive 	<ul style="list-style-type: none"> Protect, enhance and restore all water bodies and meet the environmental objectives outlined in Article 4 of the Directive. Achieve “good status” for all waters. Manage water bodies based on identifying and establishing river basins districts. Involve the public and streamline legislation. Prepare and implement a River Basin Management Plan for each river basin districts identified and a Register of Protected Areas. Establish a programme of monitoring for surface water status, groundwater status and protected areas. Recover costs for water services. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Groundwater Directive (2006/118/EC)</p>	<ul style="list-style-type: none"> Protect, control and conserve groundwater. Prevent the deterioration of the status of all bodies of groundwater. Implements measures to prevent and control groundwater pollution, including criteria for assessing good groundwater chemical status and criteria for the identification of significant and sustained upward trends and for the definition of starting points for trend reversals. 	<ul style="list-style-type: none"> Meet minimum groundwater standards listed in Annex 1 of Directive. Meet threshold values adopted by national legislation for the pollutants, groups of pollutants and indicators of pollution which have been identified as contributing to the characterisation of bodies or groups of bodies of groundwater as being at risk, also taking into account Part B of Annex II. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Drinking Water Directive (98/83/EC)</p>	<ul style="list-style-type: none"> Improve and maintain the quality of water intended for human consumption. Protect human health from the adverse effects of any contamination of water intended for human consumption by ensuring that it is wholesome and clean. 	<ul style="list-style-type: none"> Set values applicable to water intended for human consumption for the parameters set out in Annex I. Set values for additional parameters not included in Annex I, where the protection of human health within national territory or part of it so requires. The values set should, as a minimum, satisfy the requirements of Article 4(1) (a). Implement all measures necessary to ensure that regular monitoring of the quality of water intended for human consumption is carried out, in order to check that the water available to consumers meets the requirements of this Directive and in particular the parametric values set in accordance with Article 5. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>

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		<ul style="list-style-type: none"> • Ensure that any failure to meet the parametric values set in accordance with Article 5 is immediately investigated in order to identify the cause. • Ensure that the necessary remedial action is taken as soon as possible to restore its quality and shall give priority to their enforcement action. • Undertake remedial action to restore the quality of the water where necessary to protect human health. • Notify consumers when remedial action is being undertaken except where the competent authorities consider the non-compliance with the parametric value to be trivial. 	
Urban Waste Water Treatment Directive (91/271/EEC)	<ul style="list-style-type: none"> • This Directive concerns the collection, treatment and discharge of urban waste water and the treatment and discharge of waste water from certain industrial sectors. • The objective of the Directive is to protect the environment from the adverse effects of waste water discharges. 	<ul style="list-style-type: none"> • Urban waste water entering collecting systems shall before discharge, be subject to secondary treatment. • Annex II requires the designation of areas sensitive to eutrophication which receive water discharges. • Establishes minimum requirements for urban waste water collection and treatment systems in specified agglomerations to include special requirements for sensitive areas and certain industrial sectors. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Environmental Liability Directive (2004/35/EC) as amended by Directive 2006/21/EC, Directive 2009/31/EC and Directive 2013/30/EU	<ul style="list-style-type: none"> • Establish a framework of environmental liability based on the 'polluter-pays' principle, to prevent and remedy environmental damage. 	<ul style="list-style-type: none"> • Relates to environmental damage caused by any of the occupational activities listed in Annex III, and to any imminent threat of such damage occurring by reason of any of those activities; damage to protected species and natural habitats caused by any occupational activities other than those listed in Annex III, and to any imminent threat of such damage occurring by reason of any of those activities, whenever the operator has been at fault or negligent. • Where environmental damage has not yet occurred but there is an imminent threat of such damage occurring, the operator shall, without delay, take the necessary preventive measures. • Where environmental damage has occurred the operator shall, without delay, inform the competent authority of all relevant aspects of the situation and take all practicable steps to immediately control, contain, remove or otherwise manage the relevant contaminants and/or any other damage factors in order to limit or to prevent further environmental damage and adverse effects on human health or further impairment of services and the necessary remedial measures, in accordance with Article 7. • The operator shall bear the costs for the preventive and remedial actions taken pursuant to this Directive. • The competent authority shall be entitled to initiate cost recovery proceedings against the operator. • The operator may be required to provide financial security guarantees to ensure their responsibilities under the directive are met. • The Environmental Liability Directive has been amended through a number of Directives. Implementation of the Environmental Liability Directive is contributed towards by a Multi-Annual Work Programme (MAWP) 'Making the Environmental Liability Directive more fit for purpose' that is updated annually to changing developments, growing knowledge and new needs. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
European Convention on the Protection of the Archaeological Heritage (Valletta 1992)	<ul style="list-style-type: none"> • The aim of this (revised) Convention is to protect the archaeological heritage as a source of the European collective memory and as an instrument for historical and scientific study. 	<p>The Valletta Convention makes the conservation and enhancement of the archaeological heritage one of the goals of urban and regional planning policies. The Convention sets guidelines for the funding of excavation and research work and publication of research findings. It also deals with public access, in particular to archaeological sites, and educational actions to be undertaken to develop public awareness of the value of the archaeological heritage. It also constitutes an institutional framework for pan-European co-operation on the archaeological heritage, entailing a systematic exchange of experience and experts among the various States.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Convention of the Protection of the Architectural Heritage of Europe (Granada 1995)	<ul style="list-style-type: none"> • The main purpose of the Convention is to reinforce and promote policies for the conservation and enhancement of Europe's heritage. It also affirms the need for European solidarity with regard to heritage conservation and is designed to foster practical co-operation among the Parties. It establishes the principles of "European co-ordination of conservation policies" including consultations regarding the thrust of the policies to be implemented. 	<ul style="list-style-type: none"> • The reinforcement and promotion of policies for protecting and enhancing the heritage within the territories of the parties. • The affirmation of European solidarity with regard to the protection of the heritage and the fostering of practical co-operation between states and regions. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>

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Council of Europe Framework Convention on the Value of Cultural Heritage for Society (Faro 2005)	<ul style="list-style-type: none"> Cultural heritage is a group of resources inherited from the past which people identify, independently of ownership, as a reflection and expression of their constantly evolving values, beliefs, knowledge and traditions. It includes all aspects of the environment resulting from the interaction between people and places through time. A heritage community consists of people who value specific aspects of cultural heritage which they wish, within the framework of public action, to sustain and transmit to future generations. 	<ul style="list-style-type: none"> Recognise that rights relating to cultural heritage are inherent in the right to participate in cultural life, as defined in the Universal Declaration of Human Rights. Recognise individual and collective responsibility towards cultural heritage. Emphasise that the conservation of cultural heritage and its sustainable use have human development and quality of life as their goal. Take the necessary steps to apply the provisions of this Convention concerning the role of cultural heritage in the construction of a peaceful and democratic society. Greater synergy of competencies among all the public, institutional and private actors concerned. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
European Landscape Convention 2000	<ul style="list-style-type: none"> The developments in agriculture, forestry, industrial and mineral production techniques, together with the practices followed in town and country planning, transport, networks, tourism and recreation, and at a more general level, changes in the world economy, have in many cases accelerated the transformation of landscapes. The Convention expresses a concern to achieve sustainable development based on a balanced and harmonious relationship between social needs, economic activity and the environment. It aims to respond to the public's wish to enjoy high quality landscapes. 	<ul style="list-style-type: none"> Promote protection, management and planning of landscapes. Organise European co-operation on landscape issues. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
The Seventh Environmental Action Programme (EAP) of the European Community (2013-2020)	<p>It identifies three key objectives:</p> <ul style="list-style-type: none"> to protect, conserve and enhance the Union's natural capital to turn the Union into a resource-efficient, green, and competitive low-carbon economy to safeguard the Union's citizens from environment-related pressures and risks to health and wellbeing 	<p>Four so called "enablers" will help Europe deliver on these objectives (goals):</p> <ul style="list-style-type: none"> Better implementation of legislation. Better information by improving the knowledge base. More and wiser investment for environment and climate policy. Full integration of environmental requirements and considerations into other policies. <p>Two additional horizontal priority objectives complete the programme:</p> <ul style="list-style-type: none"> To make the Union's cities more sustainable. To help the Union address international environmental and climate challenges more effectively. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Bern Convention (Convention on the Conservation of European Wildlife and Natural Habitats)	<p>The convention has three main aims:</p> <ul style="list-style-type: none"> to conserve wild flora and fauna and their natural habitats to promote cooperation between states to give particular attention to endangered and vulnerable species including endangered and vulnerable migratory species 	<p>The Parties under the convention recognise the intrinsic value of nature, which needs to be preserved and passed to future generations, they also:</p> <ul style="list-style-type: none"> Seek to ensure the conservation of nature in their countries, paying particular attention to planning and development policies and pollution control. Look at implementing the Bern Convention in central Eastern Europe and the Caucus. Take account of the potential impact on natural heritage by other policies. Promote education and information of the public, ensuring the need to conserve species is understood and acted upon. Develop an extensive number of species action plans, codes of conducts, and guidelines, at their own initiative or in co-operation with other organisations. Created the Emerald Network, an ecological network made up of Areas of Special Conservation Interest. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Bali Road Map (2007)	<p>The overall goals of the project are twofold:</p> <ul style="list-style-type: none"> To increase national capacity to co-ordinate ministerial views, participate in the UNFCCC process, and negotiate positions within the timeframe of the Bali Action Plan; and To assess investment and financial flows to address climate change for up to three key sectors and/or economic activities. 	<p>The Bali Action Plan is centred on four main building Blocks:</p> <ul style="list-style-type: none"> mitigation adaptation technology financing 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Cancun Agreements (2010)	<p>Set of decisions taken at the COP 16 Conference in Cancun in 2010 which addresses a series of key issues in the fight against climate change. Cancun Agreements' main objectives cover:</p> <ul style="list-style-type: none"> Mitigation Transparency of actions Technology Finance Adaptation Forests Capacity building 	Among the most prominent agreements is the establishment of a Green Climate Fund to transfer money from the developed to developing world to tackle the impacts of climate change.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Doha Climate Gateway (2012)	Set of decisions taken at the COP 18 meeting in Doha in 2012 which pave the way for a new agreement in Paris in 2015.	<ul style="list-style-type: none"> Set out a timetable to adopt a universal climate agreement by 2015 (to come into effect in 2020); Complete the work under Bali Action Plan and to focus on new completing new targets; Strengthen the aim to cut greenhouse gases and help vulnerable countries to adapt; 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation

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Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
		<ul style="list-style-type: none"> Amend Kyoto Protocol to include a new commitment period for cutting down the greenhouse gases emissions; and Provide the financial and technology support and new institutions to allow clean energy investment and sustainable growth in developing countries. 	and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
EU Common Agricultural Policy	<ul style="list-style-type: none"> To improve agricultural productivity, so that consumers have a stable supply of affordable food; and To ensure that EU farmers can make a reasonable living. 	<ul style="list-style-type: none"> ensuring viable food production that will contribute to feeding the world's population, which is expected to rise considerably in the future; Climate change and sustainable management of natural resources; Looking after the countryside across the EU and keeping the rural economy alive. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
EU REACH Regulation (EC 1907/2006)	<ul style="list-style-type: none"> Aims to improve the protection of human health and the environment through the better and earlier identification of the intrinsic properties of chemical substances. 	The aims are achieved by applying REACH, namely: <ul style="list-style-type: none"> Registration, Evaluation, Authorisation; and Restriction of chemicals. REACH also aims to enhance innovation and competitiveness of the EU chemicals industry.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Stockholm Convention	<ul style="list-style-type: none"> The objective of the Stockholm Convention is to protect human health and the environment from persistent organic pollutants. 	<ul style="list-style-type: none"> Prohibit and/or eliminate the production and use, as well as the import and export, of the intentionally produced POPs that are listed in Annex A to the Convention Restrict the production and use, as well as the import and export, of the intentionally produced POPs that are listed in Annex B to the Convention Reduce or eliminate releases from unintentionally produced POPs that are listed in Annex C to the Convention Ensure that stockpiles and wastes consisting of, containing or contaminated with POPs are managed safely and in an environmentally sound manner Other provisions of the Convention relate to the development of implementation plans, information exchange, public information, awareness and education, research, development and monitoring, technical assistance, financial resources and mechanisms, reporting, effectiveness evaluation and non-compliance 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Ramsar Convention	The Convention's mission is "the conservation and wise use of all wetlands through local and national actions and international cooperation, as a contribution towards achieving sustainable development throughout the world".	Under the "three pillars" of the Convention, the Contracting Parties commit to: <ul style="list-style-type: none"> Work towards the wise use of all their wetlands; Designate suitable wetlands for the list of Wetlands of International Importance (the "Ramsar List") and ensure their effective management; Cooperate internationally on transboundary wetlands, shared wetland systems and shared species. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
European 2020 Strategy for Growth	Europe 2020 sets out a vision of Europe's social market economy for the 21st century and puts forward three mutually reinforcing priorities: <ul style="list-style-type: none"> Smart growth: developing an economy based on knowledge and innovation; Sustainable growth: promoting a more resource efficient, greener and more competitive economy; Inclusive growth: fostering a high-employment economy delivering social and territorial cohesion. 	In order to reach these priorities, the Commission proposes five quantitative targets to fulfil by 2020: <ol style="list-style-type: none"> 75 % of the population aged 20-64 should be employed; 3% of the EU's GDP should be invested in R&D; the "20/20/20" climate/energy targets should be met (including an increase to 30% of emissions reduction if the conditions are right); the share of early school leavers should be under 10% and at least 40% of the younger generation should have a tertiary degree; 20 million less people should be at risk of poverty. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Level			
Ireland 2040 - Our Plan, the National Planning Framework, and the National Development Plan	The National Planning Framework is the Government's high-level strategic plan for shaping the future growth and development of to the year 2040. It is a framework to guide public and private investment, to create and promote opportunities for people, and to protect and enhance the environment - from villages to cities, and everything around and in between. The National Development Plan sets out the investment priorities that will underpin the successful implementation of the new National Planning Framework. This will guide national, regional and local planning and investment	National Strategic Outcomes as follows: <ol style="list-style-type: none"> Compact Growth Enhanced Regional Accessibility Strengthened Rural Economies and Communities Sustainable Mobility A Strong Economy, supported by Enterprise, Innovation and Skills High-Quality International Connectivity Enhanced Amenities and Heritage Transition to a Low-Carbon and Climate-Resilient Society 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the

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Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
Planning, Land Use and Transport Outlook 2040 [in preparation]	<p>decisions in Ireland over the next two decades, to cater for an expected population increase of over 1 million people.</p> <p>The PLUTO will take account of forecasted future economic and demographic scenarios, affordability considerations and relevant Government policies and will:</p> <ol style="list-style-type: none"> 1. Quantify in broad terms the appropriate scale of financial investment in land transport over the long term; 2. Consider how fiscal, environmental and technological developments might impact on this investment; and, 3. Identify strategic priorities for future investment to ensure land transport infrastructure provision facilitates the objectives of Project Ireland 2040. 	<p>9. Sustainable Management of Water and other Environmental Resources</p> <p>10. Access to Quality Childcare, Education and Health Services</p> <p>In preparation</p>	<p>regulatory framework for environmental protection and management.</p> <p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Planning and Development Act 2000 (as amended)	<ul style="list-style-type: none"> The core principal objectives of this Act are to amend the Planning Acts of 2000 – 2009 with specific regard given to supporting economic renewal and sustainable development. 	<ul style="list-style-type: none"> Development, with certain exceptions, is subject to development control under the Planning Acts and the local authorities grant or refuse planning permission for development, including ones within protected areas. There are, however, a range of exemptions from the planning system. Use of land for agriculture, peat extraction and afforestation, subject to certain thresholds, is generally exempt from the requirement to obtain planning permission. Additionally, Environmental Impact Assessment (EIA) is required for a range of classes and large-scale projects. Under planning legislation, Development Plans must include mandatory objectives for the conservation of the natural heritage and for the conservation of European sites and any other sites which may be prescribed. There are also discretionary powers to set objectives for the conservation of a variety of other elements of the natural heritage. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
European Communities (Environmental Assessment of Certain Plans and Programmes Regulations 2004 (S.I. 435 of 2004), as amended by S.I. 200 of 2011	<ul style="list-style-type: none"> The purpose of these Regulations is to transpose into Irish law Directive 2001/42/EC of 27 June 2001 (O.J. No. L 197, 21 July 2001) on the assessment of the effects of certain plans and programmes on the environment – commonly known as the Strategic Environmental Assessment (SEA) Directive. 	<ul style="list-style-type: none"> The Regulations cover plans and programmes in all of the sectors listed in article 3(2) of the Directive except land-use planning. These Regulations also amend certain provisions of the Planning and Development Act 2000 to provide the statutory basis for the transposition of the Directive in respect of land-use planning. Transposition in respect of the land-use planning sector is contained in the Planning and Development (Strategic Environmental Assessment) Regulations 2004 (S.I. No. 436 of 2004). 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
European Communities (Birds and Natural Habitats) Regulations 2011 (S.I. 477 of 2011, as amended)	<ul style="list-style-type: none"> These Regulations provide a new for the implementation in Ireland of Council Directive 92/43/EEC on habitats and protection of wild fauna and flora (as amended) and for the implementation of Directive 2009/147/EC of the European Parliament and of the Council on the protection of wild birds. 	<ul style="list-style-type: none"> They provide, among other things, for: the appointment and functions of authorized officers; identification, classification and other procedures relative to the designation of Community sites. The Regulations have been prepared to address several judgments of the CJEU against Ireland, notably cases C-418/04 and C-183/05, in respect of failure to transpose elements of the Birds Directive and the Habitats Directive into Irish law. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Waste Management Act 1996, as amended	<ul style="list-style-type: none"> To make provision in relation to the prevention, management and control of waste; to give effect to provisions of certain acts adopted by institutions of the European communities in respect of those matters; to amend the Environmental Protection Agency Act, 1992, and to repeal certain enactments and to provide for related matters. 	<ul style="list-style-type: none"> The Waste Management Act contains a number of key legal obligations, including requirements for waste management planning, waste collection and movement, the authorisation of waste facilities, measures to reduce the production of waste and/or promote its recovery. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
European Communities Environmental Objectives (FPM) Regulations 2009 (S.I. 296 of 2009)	<ul style="list-style-type: none"> The purpose of these Regulations is to support the achievement of favourable conservation status for freshwater pearl mussels 	<ul style="list-style-type: none"> Set environmental quality objectives for the habitats of the freshwater pearl mussel populations named in the First Schedule to these Regulations that are within the boundaries of a site notified in a candidate list of European sites, or designated as a Special Area of Conservation, under the European Communities (Natural Habitats) Regulations, 1997 (S.I. No. 94/1997). Require the production of sub-basin management plans with programmes of measures to achieve these objectives. Set out the duties of public authorities in respect of the sub-basin management plans and programmes of measure. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
European Communities Environmental Objectives (Groundwater) Regulations	<ul style="list-style-type: none"> To amend the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010) to make further provision to implement Commission Directive 2014/80/EU of 20 June 	<p>The substances and threshold values set out in Schedule 5 to S.I. No. 9 of 2010 have been reviewed and amended where necessary, based on existing monitoring information and international guidelines on appropriate threshold values.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-</p>

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Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
2010 (S.I. 9 of 2010), as amended (S.I. No. 366 of 2016)	2014 amending Annex II to Directive 2006/118/EC of the European Parliament and of the Council on the protection of groundwater against pollution and deterioration.	<ul style="list-style-type: none"> Part A of Schedule 6 has been amended to include changes to the rules governing the determination of background levels for the purposes of establishing threshold values for groundwater pollutants and indicators of pollution. Part B of Schedule 6 has been amended to include nitrites and phosphorus (total) / phosphates among the minimum list of pollutants and their indicators which the Environmental Protection Agency (EPA) must consider when establishing threshold values. Part C of Schedule 6 amends the information to be provided to the Minister by the EPA with regard to the pollutants and their indicators for which threshold values have been established. 	combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2014 (S.I. No. 31 of 2014)	<ul style="list-style-type: none"> These Regulations, which give effect to Ireland's 3rd Nitrates Action Programme, provide statutory support for good agricultural practice to protect waters against pollution from agricultural sources 	<p>The Regulations include measures such as:</p> <ul style="list-style-type: none"> Periods when land application of fertilisers is prohibited Limits on the land application of fertilisers Storage requirements for livestock manure; and Monitoring of the effectiveness of the measures in terms of agricultural practice and impact on water quality. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Climate Action and Low Carbon Development Act 2015, as amended	<ul style="list-style-type: none"> An Act to provide for the approval of plans by the Government in relation to climate change for the purpose of pursuing the transition to a low carbon, climate resilient and environmentally sustainable economy. 	<p>When considering a plan or framework, for approval, the Government shall endeavour to achieve the national transition objective within the period to which the objective relates and shall, in endeavouring to achieve that objective, ensure that such objective is achieved by the implementation of measures that are cost effective and shall, for that purpose, have regard to:</p> <ul style="list-style-type: none"> The ultimate objective specified in Article 2 of the United Nations Framework Convention on Climate Change done at New York on 9 May 1992 and any mitigation commitment entered into by the European Union in response or otherwise in relation to that objective, The policy of the Government on climate change, Climate justice, Any existing obligation of the State under the law of the European Union or any international agreement referred to in section 2; and The most recent national greenhouse gas emissions inventory and projection of future greenhouse gas emissions, prepared by the Agency. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Climate Action Plan 2023	The National Climate Action Plan 2023 provides a detailed plan for taking decisive action to achieve a 51% reduction in overall greenhouse gas emissions by 2030 and setting Ireland on a path to reach net-zero emissions by no later than 2050, as committed to in the Programme for Government and set out in the Climate Act 2021.	The Plan lists the actions needed to deliver on Ireland's climate targets and sets indicative ranges of emissions reductions for each sector of the economy. It will be updated periodically to ensure alignment with Ireland's legally binding economy-wide carbon budgets and sectoral ceilings.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
The Sustainable Development Goals National Implementation Plan (2018 – 2020)	<ul style="list-style-type: none"> National Implementation Plan 2018 - 2020 is in direct response to the 2030 Agenda for Sustainable Development and provides a whole-of-government approach to implement the 17 Sustainable Development Goals (SDGs). The Plan provides a 'SDG Matrix' which identifies the responsible Government Departments for each of the 169 targets. It also includes a 'SDG Policy Map' indicating the relevant national policies for each of the targets. 	<p>The Plan identifies four strategic priorities to guide implementation:</p> <ul style="list-style-type: none"> Awareness: raise public awareness of the SDGs; Participation: provide stakeholders opportunities to engage and contribute to follow-up and review processes, and further develop national implementation of the Goals; Support: encourage and support efforts of communities and organisations to contribute towards meeting the SDGs, and foster public participation; and Policy alignment: develop alignment of national policy with the SDGs and identify opportunities for policy coherence. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Infrastructure and Capital Investment Plan (2016-2021)	<ul style="list-style-type: none"> €27 billion multi-annual Exchequer Capital Investment Plan, which is supported by a programme of capital investment in the wider State sector, and which over the period 2016 to 2021 will help to lay the foundations for continued growth in Ireland. 	<ul style="list-style-type: none"> This Capital Plan reflects the Government's commitment to supporting strong and sustainable economic growth and raising welfare and living standards for all. It includes allocations for new projects across a number of key areas and funding to ensure that the present stock of national infrastructure is refreshed and maintained. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.

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Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
European Union (Birds and Natural Habitats) (Sea-Fisheries) Regulations 2013 (S.I. 290 of 2013)	These regulations have been drafted to implement the responsibilities of the Minister for Agriculture Food and the Marine in relation to sea fisheries in Natura 2000 sites, in accordance with the Habitats and Birds Directives as transposed by the European Communities (Birds and Natural Habitats) Regulations 2011 (S.I. 477 of 2011).	<ul style="list-style-type: none"> Regulation 3 provides for the submission of a Fisheries Natura Plan in relation to planned fisheries; Regulation 4 provides for a screening of a Fisheries Natura Plan to determine whether or not an appropriate assessment is required; Regulation 5 provides for an appropriate assessment of a Fisheries Natura Plan and also provides for public and statutory consultation; Regulation 6 provides for the Minister to make a determination to adopt a Fisheries Natura Plan. The Minister may amend, withdraw or revoke a plan; Regulation 7 provides for publication of the adopted Fisheries Natura Plan; Regulation 8 provides for a Risk Assessment of unplanned fisheries and also provides for public and statutory consultation on the assessment; Regulation 9 provides for the issue of a Natura Declaration to prohibit, restrict including restricting by permit, control, etc. of sea fishing activities; Regulation 10 provides for Natura Permits to be issued where required by Natura Declarations; and Regulations 11 to 31 deal with functions of authorised officers and related matters, offences, etc. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Ireland's National Renewable Energy Action Plan 2010 (Irish Government submission to the European Commission)	<ul style="list-style-type: none"> The National Renewable Energy Action Plan (NREAP) sets out the Government's strategic approach and concrete measures to deliver on Ireland's 16% target under Directive 2009/28/EC. 	<ul style="list-style-type: none"> The NREAP sets out the Member State's national targets for the share of energy from renewable sources to be consumed in transport, electricity and heating and cooling in 2020, and demonstrates how the Member State will meet its overall national target established under the Directive. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Strategy for Renewable Energy (2012-2020)	<ul style="list-style-type: none"> The Government's overarching strategic objective is to make renewable energy an increasingly significant component of Ireland's energy supply by 2020, so that at a minimum it will achieve its legally binding 2020 target in the most cost-efficient manner for consumers. Of critical importance is the role which the renewable energy sector plays in job creation and economic activity as part of the Government's action plan for jobs. 	<p>This document sets out five strategic goals, reflecting the key dimensions of the renewable energy challenge to 2020:</p> <ul style="list-style-type: none"> Increasing on and offshore wind, Building a sustainable bioenergy sector, Fostering R&D in renewables such as wave & tidal, Growing sustainable transport; and Building out robust and efficient networks. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Climate Mitigation Plan 2017	<ul style="list-style-type: none"> The Plan represents an initial step to set Ireland on a pathway to achieve the deep decarbonisation required in Ireland by mid-century in line with the Government's policy objectives. 	<p>The National Mitigation Plan focuses on the following issues:</p> <ul style="list-style-type: none"> Climate Action Policy Framework Decarbonising Electricity Generation Decarbonising the Built Environment Decarbonising Transport An Approach to Carbon Neutrality for Agriculture, Forest and Land Use Sectors 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Clean Air Strategy [in preparation]	<ul style="list-style-type: none"> The Clean Air Strategy will provide the strategic policy framework necessary to identify and promote integrated measures across government policy that are required to reduce air pollution and promote cleaner air while delivering on wider national objectives. 	<ul style="list-style-type: none"> Having a National Strategy will provide a policy framework by which Ireland can develop the necessary policies and measures to comply with new and emerging EU legislation. The Strategy should also help tackle climate change. The Strategy will consider a wider range of national policies that are relevant to clean air policy such as transport, energy, home heating and agriculture. In any discussion relating to clean air policy, the issue of people's health is paramount and this will be a strong theme of the Strategy. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
EirGrid's Grid25 Strategy and associated Grid25 Implementation Programme 2017-2022	<ul style="list-style-type: none"> EirGrid's mission is to develop, maintain and operate a safe, secure, reliable, economical and efficient transmission system for Ireland; "<i>Our vision is of a grid developed to match future needs, so it can safely and reliably carry power all over the country to the major towns and cities and onwards to every home, farm and business where the electricity is consumed and so it can meet the needs of consumers and generators in a sustainable way.</i>" 	<ul style="list-style-type: none"> Grid25, EirGrid's roadmap to uprate the electricity transmission grid by 2025, continues to be implemented so as to increase the capacity of the grid, to satisfy future demand, and to help Ireland meet its target of 40 per cent of electricity from renewable energy by 2020. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.

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Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
Strategy for the Future Development of National and Regional Greenways (2018)	<ul style="list-style-type: none"> The objective of this Strategy is to assist in the strategic development of nationally and regionally significant Greenways in appropriate locations constructed to an appropriate standard in order to deliver a quality experience for all Greenways users. It also aims to increase the number and geographical spread of Greenways of scale and quality around the country over the next 10 years with a consequent significant increase in the number of people using Greenways as a visitor experience and as a recreational amenity. 	<ul style="list-style-type: none"> A Strategic Greenway network of national and regional routes, with a number of high capacity flagship routes that can be extended and/or link with local Greenways and other cycling and walking infrastructure; Greenways of scale and appropriate standard that have significant potential to deliver an increase in activity tourism to Ireland and are regularly used by overseas visitors, domestic visitors and locals thereby contributing to a healthier society through increased physical activity; Greenways that provide a substantially segregated off road experience linking places of interest, recreation and leisure in areas with beautiful scenery of different types with plenty to see and do; and Greenways that provide opportunities for the development of local businesses and economies, and Greenways that are developed with all relevant stakeholders in line with an agreed code of practice. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Water Resources Plan [in preparation]	<ul style="list-style-type: none"> The NWRP is a plan on how to provide a safe, secure and reliable water supply to customers for the next 25 years, without causing adverse impact on the environment. The objective of the NWRP is to set out how we intend to maintain the supply and demand for drinking water over the short, medium and long term whilst minimising the impact on the environment. The preparation of the NWRP has been divided into two phases, the combination of which will become the final NWRP. The NWRP Framework Plan (Phase 1) has now been adopted. Phase 2 of the NWRP (four Regional Water Resources Plans), currently in preparation, will address the needs across the 535 individual water supplies and identify the solutions to address these needs. 	<p>The key objectives of the plan are to:</p> <ul style="list-style-type: none"> Identify areas where there are current and future potential water supply shortfalls, taking into account normal and extreme weather conditions Assess the current and future water demand from homes, businesses, farms, and industry Consider the impacts of climate change on Ireland’s water resources Develop a drought plan advising measures to be taken before and during drought events Develop a plan detailing how we deal with the material that is produced as a result of treating drinking water Assess the water resources available at a national level including lakes, rivers and groundwater 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Strategic Plan for Aquaculture Development (2014-2020)	<p>Vision: <i>“Aquaculture in RC is economically, socially and ecologically sustainable, with a developed infrastructure, strong human potentials and an organized market. The consumption of aquaculture products is equal or above EU average, while the technological development of the sector is among the best in the EU.”</i></p>	<p>General development and growth objectives of marine and freshwater aquaculture (2014 – 2020):</p> <ul style="list-style-type: none"> Strengthen the social, business and administrative environment for aquaculture development Increase in the total production to 24,050 tonnes while adhering to the principles of economic, social and ecological sustainability Improvement of the perception and increase in the national consumption of National products 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Construction 2020, A Strategy for a Renewed Construction Sector	<ul style="list-style-type: none"> Construction 2020 sets out a package of measures agreed by the Government and is aimed at stimulating activity in the building industry. The Strategy aims both to increase the capacity of the sector to create and maintain jobs, and to deliver a sustainable sector, operating at an appropriate level. It seeks to learn the lessons of the past and to ensure that the right structures and mechanisms are in place so that they are not repeated. 	<p>This Strategy therefore addresses issues including:</p> <ul style="list-style-type: none"> A strategic approach to the provision of housing, based on real and measured needs, with mechanisms in place to detect and act when things are going wrong; Continuing improvement of the planning process, striking the right balance between current and future requirements; The availability of financing for viable and worthwhile projects; Access to mortgage finance on reasonable and sustainable terms; Ensuring we have the tools we need to monitor and regulate the sector in a way that underpins public confidence and worker safety; Ensuring a fit for purpose sector supported by a highly skilled workforce achieving high quality and standards; and Ensuring opportunities are provided to unemployed former construction workers to contribute to the recovery of the sector. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Sustainable Development: A Strategy for Ireland (1997)	<ul style="list-style-type: none"> The overall aim of this Strategy is to ensure that economy and society in Ireland can develop to their full potential within a well-protected environment, without compromising the quality of that environment, and with responsibility towards present and future generations and the wider international community. 	<ul style="list-style-type: none"> The Strategy addresses all areas of Government policy, and of economic and societal activity, which impact on the environment. It seeks to re-orientate policies as necessary to ensure that the strong growth Ireland enjoys and seeks to maintain will be environmentally sustainable. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Landscape Strategy for Ireland 2015-2025 and National Landscape Character Assessment (pending preparation)	<ul style="list-style-type: none"> The National Landscape Strategy will be used to ensure compliance with the European Landscape Convention and to establish principles for protecting and enhancing the landscape while positively managing its change. It will provide a high-level policy framework to achieve balance between the protection, management and planning of the landscape by way of supporting actions. Landscape Strategy Vision: <i>“Our landscape reflects and embodies our cultural values and our shared natural heritage and contributes to the</i> 	<p>The objectives of the National Landscape Strategy are to:</p> <ul style="list-style-type: none"> Implement the European Landscape Convention by integrating landscape into the approach to sustainable development; Establish and embed a public process of gathering, sharing and interpreting scientific, technical and cultural information in order to carry out evidence-based identification and description of the character, resources and processes of the landscape; Provide a policy framework, which will put in place measures at national, sectoral - including agriculture, tourism, energy, transport and marine - and local level, together 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the

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	<i>well-being of our society, environment and economy. We have an obligation to ourselves and to future generations to promote its sustainable protection, management and planning.</i>	with civil society, to protect, manage and properly plan through high quality design for the sustainable stewardship of the landscape; <ul style="list-style-type: none"> Ensure that we take advantage of opportunities to implement policies relating to landscape use that are complementary and mutually reinforcing and that conflicting policy objectives are avoided in as far as possible. 	regulatory framework for environmental protection and management.
National Hazardous Waste Management Plan (EPA) 2014-2020 and new National Hazardous Waste Management Plan 2021-2027	This Plan sets out the priorities to be pursued over the next six years and beyond to improve the management of hazardous waste, taking into account the progress made since the previous plan and the waste policy and legislative changes that have occurred since the previous plan was published. Section 26 of the Waste Management Act 1996 as amended, sets out the overarching objectives for the National Hazardous Waste Management Plan. In this context, the following objectives are included as priorities for the revised Plan period: <ul style="list-style-type: none"> To prevent and reduce the generation of hazardous waste by industry and society generally; To maximise the collection of hazardous waste with a view to reducing the environmental and health impacts of any unregulated waste; To strive for increased self-sufficiency in the management of hazardous waste and to minimise hazardous waste export; To minimise the environmental, health, social and economic impacts of hazardous waste generation and management. 	The revised Plan makes 27 recommendations under the following topics: <ul style="list-style-type: none"> Prevention Collection Self-sufficiency Regulation Legacy issues North-south cooperation Guidance and awareness Implementation 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Ministerial Guidelines such as Sustainable Rural Housing Guidelines and Flood Risk Management Guidelines	<ul style="list-style-type: none"> The Department produces a range of guidelines designed to help planning authorities, An Bord Pleanála, developers and the general public and cover a wide range of issues amongst others, architectural heritage, child care facilities, landscape, quarries and residential density. 	<ul style="list-style-type: none"> The Minister issues statutory guidelines under Section 28 of the Act which planning authorities and An Bord Pleanála are obliged to have regard to in the performance of their planning functions. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
HSE Healthy Ireland Framework for Improved Health and Wellbeing 2013-2025	<ul style="list-style-type: none"> The vision is: <i>"A Healthy Ireland, where everyone can enjoy physical and mental health and wellbeing to their full potential, where wellbeing is valued and supported at every level of society and is everyone's responsibility."</i> 	These four goals are interlinked, interdependent and mutually supportive: <ul style="list-style-type: none"> Goal 1: Increase the proportion of people who are healthy at all stages of life Goal 2: Reduce health inequalities Goal 3: Protect the public from threats to health and wellbeing Goal 4: Create an environment where every individual and sector of society can play their part in achieving a healthy Ireland 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Our Sustainable Future: A framework for Sustainable Development for Ireland 2012	A medium to long term framework for advancing sustainable development and the green economy in Ireland. It identifies spatial planning as a key challenge for sustainable development and sets a series of measures to address these challenges.	<ul style="list-style-type: none"> Sets out the challenges facing us and how we might address them in making sure that quality of life and general wellbeing can be improved and sustained in the decades to come. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Smarter Travel – A Sustainable Transport Future – A New Transport Policy for Ireland 2009 – 2020 (2009)	<ul style="list-style-type: none"> Outlines a policy for how a sustainable travel and transport system can be achieved. Sets out five key goals: <ul style="list-style-type: none"> To reduce overall travel demand. To maximise the efficiency of the transport network. To reduce reliance on fossil fuels. To reduce transport emissions. To improve accessibility to transport. 	<ul style="list-style-type: none"> Others lower level aims include: <ul style="list-style-type: none"> reduce distance travelled by private car and encourage smarter travel, including focusing population growth in areas of employment and to encourage people to live in close proximity to places of employment ensuring that alternatives to the car are more widely available, mainly through a radically improved public transport service and through investment in cycling and walking improving the fuel efficiency of motorised transport through improved fleet structure, energy efficient driving and alternative technologies strengthening institutional arrangements to deliver the targets 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Investing in our Future: A Strategic Framework for Investment in Land Transport (SFILT) – Department of Transport, Tourism and Sport	<ul style="list-style-type: none"> SFILT sets out a set of priorities to guide the allocation of the State's investment to best develop and manage Ireland's land transport network over the coming decades. 	The three priorities stated in SFILT are: <ul style="list-style-type: none"> Priority 1: Achieve steady state maintenance (meaning that the maintenance and renewal of the existing transport system is at a sufficient level to maintain the system in an adequate condition); Priority 2: Address urban congestion; and Priority 3: Maximise the value of the road network. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their

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		<p>In delivering on the steady state maintenance objective set out in SFILT, the Plan includes for:</p> <ul style="list-style-type: none"> Planned replacement programme for the bus fleet operated under Public Service Obligation ("PSO") contracts; Tram refurbishment and asset renewal in the case of light rail; and To the extent within the Authority' remit, support for the operation of the existing rail network within the GDA. 	<p>plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Delivering a Sustainable Energy Future for Ireland – The Energy Policy Framework 2007 – 2020 (2007)</p>	<ul style="list-style-type: none"> White paper setting out a framework for delivering a sustainable energy future in Ireland. Outlines strategic Goals for: <ul style="list-style-type: none"> Security of Supply Sustainability of Energy Competitiveness of Energy Supply 	<p>The underpinning Strategic Goals are:</p> <ul style="list-style-type: none"> Ensuring that electricity supply consistently meets demand Ensuring the physical security and reliability of gas supplies to Ireland Enhancing the diversity of fuels used for power generation Delivering electricity and gas to homes and businesses over efficient, reliable and secure networks Creating a stable attractive environment for hydrocarbon exploration and production Being prepared for energy supply disruptions 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Adaptation Framework (NAF) 2018 and associated regional, local and sectoral adaptation plans</p>	<ul style="list-style-type: none"> NAF specifies the national strategy for the application of adaptation measures in different sectors and by local authorities in their administrative areas in order to reduce the vulnerability of the State to the negative effects of climate change and to avail of any positive effects that may occur 	<ul style="list-style-type: none"> Adaptation under this Framework should seek to minimise costs and maximise the opportunities arising from climate change. Adaptation actions range from building adaptive capacity (e.g. increasing awareness, sharing information and targeted training) through to policy and finance-based actions. Adaptation actions must be risk based, informed by existing vulnerabilities of our society and systems and an understanding of projected climate change. Adaptation actions taken to increase climate resilience must also consider impacts on other sectors and levels of governance 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Renewable Energy Action Plan (2010)</p>	<ul style="list-style-type: none"> Sets out the Member State's national targets for the share of energy from renewable sources to be consumed in transport, electricity and heating and cooling in 2020, and demonstrates how the Member State will meet its overall national target established under the Directive. 	<p>Including Ireland's 16% target of gross final consumption to come from renewables by 2020.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Energy Efficiency Action Plan for Ireland (2009 – 2020)</p>	<ul style="list-style-type: none"> This is the second National Energy Efficiency Action Plan for Ireland. 	<ul style="list-style-type: none"> The Plan reviews the original 90 actions outlined in the first Plan and updates/renews/removes them as appropriate. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Wildlife Act of 1976 Wildlife (Amendment) Act, 2000</p>	<ul style="list-style-type: none"> The act provides protection and conservation of wild flora and fauna. 	<ul style="list-style-type: none"> Provides protection for certain species, their habitats and important ecosystems Give statutory protection to NHAs Enhances wildlife species and their habitats Includes more species for protection 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Actions for Biodiversity (2017-2021) Ireland's National Biodiversity Plan</p>	<ul style="list-style-type: none"> Sets out strategic objectives, targets and actions to conserve and restore Ireland's biodiversity and to prevent and reduce the loss of biodiversity in Ireland and globally. 	<ul style="list-style-type: none"> To mainstream biodiversity in the decision-making process across all sectors. To substantially strengthen the knowledge base for conservation, management and sustainable use of biodiversity. To increase awareness and appreciation of biodiversity and ecosystems services. To conserve and restore biodiversity and ecosystem services in the wider countryside. To conserve and restore biodiversity and ecosystem services in the marine environment. To expand and improve on the management of protected areas and legally protected species. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>

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National Broadband Plan (2012)	<ul style="list-style-type: none"> Sets out the strategy to deliver high speed broadband throughout Ireland. 	<ul style="list-style-type: none"> To substantially strengthen the effectiveness of international governance for biodiversity and ecosystem services. <p>The Plan sets out:</p> <ul style="list-style-type: none"> A clear statement of Government policy on the delivery of High-Speed Broadband. Specific targets for the delivery and rollout of high-speed broadband and the speeds to be delivered. The strategy and interventions that will underpin the successful implementation of these targets. A series of specific complementary measures to promote implementation of Government policy in this area. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
<p>European Communities (Water Policy) Regulations of 2003 (SI 722 of 2003)</p> <p>European Communities (Water Policy) Regulations of 2003 (SI 350 of 2014)</p> <p>European Communities Environmental Objectives (Surface waters) Regulations of 2009 (SI 272 of 2009)</p>	<ul style="list-style-type: none"> Transpose the Water Framework Directive into legislation. Outlines the general duty of public authorities in relation to water. Identifies the competent authorities in charge of water policy (amended to Irish Water in 2013) and gives EPA and the CER the authority to regulate and supervise their actions. 	<ul style="list-style-type: none"> Implements River basin districts and characterisation of RBDs and River Basin Management Plans. Requires the public to be informed and consulted on the Plan and for progress reports to be published on RBDs. Implements a Register of protected areas, Classification systems and Monitoring programmes for water bodies. Allows the competent authority to recover the cost of damage/destruction of status of water body. Outlines environmental objectives and programme of measures and environmental quality standards for priority substances. Outlines criteria for assessment of groundwater. Outlines environmental objectives to be achieved for surface water bodies. Outlines surface water quality standards. Establishes threshold values for the classification and protection of surface waters against pollution and deterioration in quality. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
European Communities Environmental Objectives (Groundwater) Regulations of 2010 (SI 9 of 2010)	<ul style="list-style-type: none"> Transpose the requirements of the Groundwater Directive 2006/118/EC into Irish Legislation. 	<ul style="list-style-type: none"> Outlines environmental objectives to be achieved for groundwater bodies of groundwater against pollution and deterioration in quality. Sets groundwater quality standards. Outlines threshold values for the classification and protection of groundwater. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Water Pollution Acts 1977 to 1990	<ul style="list-style-type: none"> The Water Pollution Acts allow Local Authorities the authority regulate and supervise actions relating to water in their division. 	<p>The Water Pollution Acts enable local authorities to:</p> <ul style="list-style-type: none"> Prosecute for water pollution offences. Attach appropriate pollution control conditions in the licensing of effluent discharges from industry, etc., made to waters. Issue notices ("section 12 notices") to farmers, etc., specifying measures to be taken within a prescribed period to prevent water pollution. Issue notices requiring a person to cease the pollution of waters and requiring the mitigation or remedying of any effects of the pollution in the manner and within the period specified in such notices. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
<p>Water Services Act 2007</p> <p>Water Services (Amendment) Act 2012</p> <p>Water Services Act (No. 2) 2013</p>	<ul style="list-style-type: none"> Provides the water services infrastructure. Outlines the responsibilities involved in delivering and managing water services. Identifies the authority in charge of provision of water and waste water supply. Irish Water was given the responsibility of the provision of water and waste water services in the amendment act during 2013, therefore these services are no longer the responsibility of the 34 Local Authorities in Ireland. 	<p>Key strategic objectives include:</p> <ul style="list-style-type: none"> Ensuring Irish Water delivers infrastructural projects that meet key public health, environmental and economic objectives in the water services sector. Ensuring the provision of adequate water and sewerage services in the gateways and hubs listed in the National Spatial Strategy, and in other locations where services need to be enhanced. Ensuring good quality drinking water is available to all consumers of public and group water supplies, in compliance with national and EU drinking water standards Ensuring the provision of the remaining infrastructure needed to provide secondary waste water treatment, for compliance with the requirements of the EU Urban Waste water Treatment Directive. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Irish Water's Water Services Strategic Plan 2015 and associated Proposed Capital Investment Plan (2014-2016)	<ul style="list-style-type: none"> This Water Services Strategic Plan sets out strategic objectives for the delivery of water services over the next 25 years up to 2040. It details current and future challenges which affect the provision of water services and identifies the priorities to be tackled in the short and medium term. 	<p>Six strategic objectives as follows:</p> <ul style="list-style-type: none"> Meet Customer Expectations. Ensure a Safe and Reliable Water Supply. Provide Effective Management of Waste water. Protect and Enhance the Environment. Support Social and Economic Growth. Invest in the Future. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the

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Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
Agri-Food Strategy 2030	This 10-year Strategy sets out four high-level “Missions” to be achieved in order to develop such a system in Ireland: 1. A Climate Smart, Environmentally Sustainable Agri-Food Sector 2. Viable and Resilient Primary Producers with Enhanced Wellbeing 3. Food that is Safe, Nutritious and Appealing, Trusted and Valued at Home and Abroad 4. An Innovative, Competitive and Resilient Sector, driven by Technology and Talent	Each of the Missions has a set of Goals which are underpinned by a series of Actions.	regulatory framework for environmental protection and management. Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Agri-vision 2015 Action Plan	Outlines the vision for agricultural industry to improve competitiveness and response to market demand while respecting and enhancing the environment	not applicable	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Rural Environmental Protection Scheme (REPS) Agri-Environmental Options Scheme (AEOS) Green, Low-Carbon, Agri-environment Scheme (GLAS)	<ul style="list-style-type: none"> • Agri-environmental funding schemes aimed at rural development for the environmental enhancement and protection. • GLAS is the new replacement for REPS and AEOS which are both expiring. 	<ul style="list-style-type: none"> • Establish best practice farming methods and production methods in order to protect landscapes and maximise conservation. • Protect biodiversity, endangered species of flora and fauna and wildlife habitats. • Ensure food is produced with the highest regard to the environment. • Implement nutrient management plans and grassland management plans. • Protect and maintain water bodies, wetlands and cultural heritage. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Rural Development Programme	<ul style="list-style-type: none"> • The National Rural Development Programme, prepared by the Department of Agriculture, Fisheries and Food, sets out a national programme based on the EU framework for rural development and prioritises improving the competitiveness of agriculture, improving the environment and improving the quality of life in rural areas 	At a more detailed level, the programme also: <ul style="list-style-type: none"> • Supports structural change at farm level including training young farmers and encouraging early retirement, support for restructuring, development and innovation; • Aims to improve the environment, biodiversity and the amenity value of the countryside by support for land management through funds such as Natura 2000 payments etc.; and • Aims to improve quality of life in rural areas and encouraging diversification of economic activity through the implementation of local development strategies such as non-agricultural activities 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Forestry Programme (2014-2020)	Represents Ireland’s proposals for 100% State aid funding for a new Forestry Programme for the period 2014 – 2020.	Measures include the following: <ul style="list-style-type: none"> • Afforestation and Creation of Woodland • NeighbourWood Scheme • Forest Roads • Reconstitution Scheme • Woodland Improvement Scheme • Native Woodland Conservation Scheme • Knowledge Transfer and Information Actions • Producer Groups • Innovative Forest Technology • Forest Genetic Reproductive Material • Forest Management Plans 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
River Basin Management Plan for Ireland 2022-2027 3rd Cycle [in preparation]	This draft River Basin Management Plan sets out the measures that are necessary to protect and restore water quality in Ireland. The overall aim of the plan is to ensure that our natural waters are sustainably managed and that freshwater resources are protected so as to maintain and improve Ireland’s water environment.	The River Basin Management Plan sets out the measures necessary to protect and improve the quality of Ireland’s waters. These plans are prepared in 6-year cycles, during which a programme of measures must be implemented so as to achieve water quality objectives. Good water quality contributes to protecting human health by improving the quality of drinking water sources and bathing waters.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Peatlands Strategy (2015-2025)	This Strategy aims to provide a long-term framework within which all of the peatlands within the State can be managed responsibly in order to optimise	Objectives of the Strategy include: <ul style="list-style-type: none"> • To give direction to Ireland’s approach to peatland management. • To apply to all peatlands, including peat soils. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-

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Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
	their social, environmental and economic contribution to the well-being of this and future generations.	<ul style="list-style-type: none"> To ensure that the relevant State authorities and state-owned companies that influence such decisions contribute to meeting cross-cutting objectives and obligations in their policies and actions. To ensure that Ireland's peatlands are sustainably managed so that their benefits can be enjoyed responsibly. 	combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Flood Risk Management Plans arising from National Catchment Flood Risk Assessment and Management Programme	<ul style="list-style-type: none"> The national Catchment Flood Risk Assessment and Management (CFRAM) programme commenced in Ireland in 2011 and is being overseen by the Office of Public Works. The CFRAM Programme is intended to deliver on core components of the National Flood Policy, adopted in 2004, and on the requirements of the EU Floods Directive. 	CFRAM Studies have been undertaken for all River Basin Districts. The studies are focusing on areas known to have experienced flooding in the past and areas that may be subject to flooding in the future either due to development pressures or climate change. Flood Risk and Hazard mapping, including Flood Extent Mapping, was finalised in 2017. The final outputs from the studies are the CFRAM Plans, finalised in 2018. The Plans define the current and future flood risk in the River Basin Districts and set out how this risk can be managed.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Draft National Bioenergy Plan 2014 - 2020	<p>The Draft Bioenergy Plan sets out a vision as follows:</p> <ul style="list-style-type: none"> Bioenergy resources contributing to economic development and sustainable growth, generating jobs for citizens, supported by coherent policy, planning and regulation, and managed in an integrated manner. 	<p>Three high level goals, of equal importance, based on the concept of sustainable development are identified:</p> <ul style="list-style-type: none"> To harness the market opportunities presented by bioenergy in order to achieve economic development, growth and jobs. To increase awareness of the value, opportunities and societal benefits of developing bioenergy. To ensure that bioenergy developments do not adversely impact the environment and its living and non-living resources. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Draft Renewable Electricity Policy and Development Framework (DCCAE) 2016	Goal: To optimise the opportunities in Ireland for renewable electricity development on land at significant scale, to serve both the All Island Single Electricity Market and any future regional market within the European Union, in accordance with European and Irish law, including Directive 2009/28/EC: On the promotion of the use of energy from renewable resources.	Objective: To develop a Policy and Development Framework for renewable electricity generation on land to serve both the All Island Single Electricity Market and any future regional market within the European Union, with particular focus on large scale projects for indigenous renewable electricity generation. This will, inter alia, provide guidance for planning authorities and An Bord Pleanála.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Alternative Fuels Infrastructure for the Transport Sector (DITAS) 2017- 2030	This Framework sets targets to achieve an appropriate level of alternative fuels infrastructure for transport, which is relative to national policy and Irish market needs. Non-infrastructure-based incentives to support the use of the infrastructure and the uptake of alternative fuels are also included within the scope of the Framework.	<p>Targets for alternative fuel infrastructure include the following:</p> <ul style="list-style-type: none"> AFV forecasts Electricity targets Natural gas (CNG, LNG) targets Hydrogen targets Biofuels targets LPG targets Synthetic and paraffinic fuels targets 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Food Wise 2025 (DAFM)	Food Wise 2025 sets out a ten-year plan for the agri-food sector. It underlines the sector's unique and special position within the Irish economy, and it illustrates the potential which exists for this sector to grow even further.	<p>Food Wise 2025 identifies ambitious and challenging growth projections for the industry over the next ten years including:</p> <ul style="list-style-type: none"> 85% increase in exports to €19 billion. 70% increase in value added to €13 billion. 60% increase in primary production to €10 billion. The creation of 23,000 additional jobs all along the supply chain from producer level to high-end value-added product development. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Cycle Network Scoping Study 2010	<ul style="list-style-type: none"> Outlines objectives and actions aimed at developing a strong cycle network in Ireland Sets out 19 specific objectives, and details the 109 actions, aimed at ensuring that a cycling culture is developed 	<ul style="list-style-type: none"> Sets a target where 10% of all journeys will be made by bike by 2020 Proposes the planning, infrastructure, communication, education and stakeholder participations measures required to implement the initiative 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.

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Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
National Policy Framework for Alternative Fuels Infrastructure for Transport in Ireland 2017 to 2030	<ul style="list-style-type: none"> This National Policy Framework on Alternative Fuels Infrastructure for Transport represents the first step in communicating our longer-term national vision for decarbonising transport by 2050, the cornerstone of which is our ambition that by 2030 all new cars and vans sold in Ireland will be zero-emissions capable. By 2030 it is envisaged that the movement in Ireland to electrically-fuelled cars and commuter rail will be well underway, with natural gas and biofuels developing as major alternatives in the freight and bus sectors. 	<p>This policy set out to achieve five key goals in transport:</p> <ul style="list-style-type: none"> Reduce overall travel demand Maximise the efficiency of the transport network Reduce reliance on fossil fuels Reduce transport emissions Improve accessibility to transport <p>These goals remain the cornerstone of transport policy and are fully aligned to the objectives of this National Policy Framework.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Tourism Action Plan 2019-2021	<p>The Tourism Action Plan 2019-2021 sets out actions that the Tourism Leadership Group has identified as priorities to be progressed until 2021 in order to maintain sustainable growth in overseas tourism revenue and employment. Each action involves specific tourism stakeholders, both in the public and private sectors, all of whom we expect to proactively work towards the completion of actions within the specified timeframe.</p>	<p>The Plan contains 27 actions focusing on the following areas:</p> <ul style="list-style-type: none"> Policy Context Marketing Ireland as a Visitor Destination Enhancing the Visitor Experience Research in the Irish Tourism Sector Supporting Local Communities in Tourism Wider Government Policy International Context Co-ordination Structures 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Tourism Policy Statement: People, Place and Policy – Growing Tourism to 2025	<p>The main goal of this policy statement is to have a vibrant, attractive tourism sector that makes a significant contribution to employment across the country; is economically, socially and environmentally sustainable; helps promote a positive image of Ireland overseas, and is a sector in which people want to work.</p>	<p>The Tourism Policy Statement sets three headline targets to be achieved by 2025:</p> <ul style="list-style-type: none"> Overseas tourism revenue of €5 billion per year net of inflation excluding carrier receipts; 250,000 people employed in tourism; and 10 million overseas visitors to Ireland per year. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Draft Renewable Electricity Policy and Development Framework (DCCAE)	<p>Goal: To optimise the opportunities in Ireland for renewable electricity generation on land at significant scale, to serve both the All Island Single Electricity Market and any future regional market within the European Union, in accordance with European and Irish law, including Directive 2009/28/EC: On the promotion of the use of energy from renewable resources.</p>	<p>Objective: To develop a Policy and Development Framework for renewable electricity generation on land to serve both the All Island Single Electricity Market and any future regional market within the European Union, with particular focus on large scale projects for indigenous renewable electricity generation. This will, inter alia, provide guidance for planning authorities and An Bord Pleanála.</p> <p>Methodology: Development of the Policy and Development Framework is to be informed by the carrying out of an SEA, including widespread consultation with stakeholders and public, and with AA under the Habitats Directive.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
National Alternative Fuels Infrastructure for the Transport Sector (DTTAS) 2017- 2030	<p>This Framework sets targets to achieve an appropriate level of alternative fuels infrastructure for transport, which is relative to national policy and Irish market needs. Non-infrastructure-based incentives to support the use of the infrastructure and the uptake of alternative fuels are also included within the scope of the Framework.</p>	<p>Targets for alternative fuel infrastructure include the following:</p> <ul style="list-style-type: none"> AFV forecasts Electricity targets Natural gas (CNG, LNG) targets Hydrogen targets Biofuels targets LPG targets Synthetic and paraffinic fuels targets 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
All Ireland Pollinator Plan 2021-2025	<p>The All-Ireland Pollinator Plan is an island-wide attempt to reverse declines in pollinating insects to ensure the sustainability of our food, avoid additional economic impacts on agriculture, and protect the health of the environment. The main objectives include:</p> <ul style="list-style-type: none"> Making farmland, public land and private land in Ireland pollinator friendly; Raising awareness of pollinators and how to protect them; Managed pollinators – supporting beekeepers and growers; Expanding our knowledge of pollinators and pollination service; and Collecting evidence to track change and measure success. 	<p>This voluntary Plan identified 81 actions, shared out between over 100 governmental and non-governmental organisations. A large focus of the Plan is to identify actions to improve the quality and amount of flower-rich habitat. Actions range from creating pollinator highways along our transport routes, to supporting pollinators on farmland, in gardens, businesses, and on public land.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Guidelines on Sustainable Residential Development in Urban Areas (DEHLG 2009)	<p>The aim of these guidelines is to set out the key planning principles which should be reflected in development plans and local area plans, and which should guide the preparation and assessment of planning applications for residential development in urban areas.</p>	<p>The objective is to produce high quality sustainable developments:</p> <ul style="list-style-type: none"> quality homes and neighbourhoods, places where people actually want to live, to work and to raise families, and places that work for our children and for our children's children. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards –</p>

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Town Centre First	The Town Centre First policy aims to create town centres that function as viable, vibrant and attractive locations for people to live, work and visit, while also functioning as the service, social, cultural and recreational hub for the local community.	The policy sets out a framework to facilitate and resource each town to chart their own future through a tailored plan, developed by a collaborative Town Team, and supported by their Local Authority.	in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management. Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Regional/ County/Local Level			
Southern Regional Economic and Spatial Strategy 2019-2031	The Regional Spatial and Economic Strategy provides a long-term strategic planning and economic framework for the Southern Region in order to support the implementation of the National Planning Framework.	The Southern Regional Economic and Spatial Strategy includes provisions for its 10 constituent local authorities: Carlow County Council; Tipperary County Council; Waterford City & County Council; Wexford County Council; Kilkenny County Council; Cork City Council; Cork County Council; Kerry County Council; Clare County Council; and Limerick City and County Council.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Eastern and Midland Regional Economic and Spatial Strategy 2019-2031	The Regional Spatial and Economic Strategy provides a long-term strategic planning and economic framework for the Eastern and Midland Region in order to support the implementation of the National Planning Framework.	The Eastern and Midland Regional Economic and Spatial Strategy includes provisions for its 11 constituent local authorities: Dublin City Council; Dún Laoghaire County Council; South Dublin County Council; Longford County Council; Louth County Council; Wicklow City Council; Offaly County Council; Laois County Council; Meath County Council; Fingal County Council; and Westmeath County Council.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Integrated Implementation Plan 2019-2024	The Transport Strategy for the Greater Dublin Area 2016-2035, which established an overall framework for transport investment over the next two decades and was subject to full SEA and Stage 2 AA, is a key policy shaping the six-year Integrated Infrastructure Plan. The priorities in the Integrated Infrastructure Plan align with the objectives and priorities set out in the Transport Strategy, focused on improving public and sustainable transport.	The Implementation Plan identifies investment proposals for a number of areas including: <ul style="list-style-type: none"> • Bus; • Light Rail; • Heavy Rai; • Integration Measures and Sustainable Transport Investment; • Integrated Service Plan; and • Integration and Accessibility. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
NPWS Conservation Plans and/or Conservation Objectives for SACs and SPAs	Management planning for nature conservation sites has a number of aims. These include: <ul style="list-style-type: none"> • To identify and evaluate the features of interest for a site • To set clear objectives for the conservation of the features of interest • To describe the site and its management • To identify issues (both positive and negative) that might influence the site • To set out appropriate strategies/management actions to achieve the objectives 	<ul style="list-style-type: none"> • Conservation objectives for SACs and SPAs (i.e. sites within the Natura 2000 network) have to be set for the habitats and species for which the sites are selected. • These objectives are used when carrying out appropriate assessments for plans and projects that might impact on these sites. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Groundwater Protection Schemes	A Groundwater Protection Scheme provides guidelines for the planning and licensing authorities in carrying out their functions, and a framework to assist in decision-making on the location, nature and control of developments and activities in order to protect groundwater.	A Groundwater Protection Scheme aims to maintain the quantity and quality of groundwater, and in some cases improve it, by applying a risk assessment-based approach to groundwater protection and sustainable development.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.

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Local Economic and Community Plans (LECPs), including the Carlow LECP [in preparation]; and the Laois LECP [in preparation]	The overarching vision for each LECP is: "to promote the well-being and quality of life of citizens and communities"	The purpose of the LECP, as provided for in the Local Government Reform Act 2014, is to set out, for a six-year period, the objectives and actions needed to promote and support the economic development and the local and community development of the relevant local authority area, both by itself directly and in partnership with other economic and community development stakeholders.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Carlow County Development Plan 2022-2028 and Laois County Development Plan 2021-2027 and other Land Use Plans in force within Carlow and Laois and in other adjoining planning authorities. This includes Development Plans, Local Area Plans and Planning Schemes.	<ul style="list-style-type: none"> Outline planning objectives for land use development. Strategic framework for planning and sustainable development including those set out in National Planning Framework and Regional Economic and Spatial Strategies. Set out the policies and proposals to guide development in the specific Local Authority area. 	<ul style="list-style-type: none"> Identify future infrastructure, development and zoning required. Protect and enhances amenities and environment. Guide planning authority in assessing proposals. Aim to guide development in the area and the amount of nature of the planned development. Aim to promote sustainable development. Provide for economic development and protect natural environmental, heritage. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Draft Carlow Biodiversity Action Plan 2023-2028	Aims to protect, conserve, enhance and restore heritage, biodiversity and ecosystem services across all spectrums.	Plan's objectives include: <ul style="list-style-type: none"> gathering information on the biodiversity resource managing the resource education and awareness cooperation to achieve objectives 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Laois Heritage and Biodiversity Strategy 2021 - 2026	Aims to protect, conserve, enhance and restore heritage, biodiversity and ecosystem services across all spectrums.	The aims of the Laois Heritage and Biodiversity Strategy 2021-2026 are to: <ol style="list-style-type: none"> Conserve and enhance the heritage and biodiversity of Laois; Commemorate the people and events of historical significance for Laois; Integrate our work across built, natural and cultural heritage, where possible; and Celebrate and promote the heritage and biodiversity of Laois. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
County Carlow and County Laois Character Assessment and Landscape Character Assessments in adjoining local authorities	Characterises the geographical dimension of the landscape.	Identifies the quality, value, sensitivity and capacity of the landscape area. Guides strategies and guidelines for the future development of the landscape.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Carlow County Council's Noise Action Plan 2018-2023 Laois County Council's Noise Action Plan 2019-2022	Noise Action Plans are prepared in accordance with the requirements of the Environmental Noise Regulations 2006, Statutory Instrument 140 of 2006. These Regulations give effect to the EU Directive 2002/49/EC relating to the assessment and management of environmental noise. This Directive sets out a process for managing environmental noise in a consistent manner across the EU and the Noise Regulations set out the approach to meeting the requirements of the Directive in Ireland.	The main purpose of Noise Action Plans is to: Inform and consult the public about noise exposure, its effects and the measures which may be considered to address noise problems Address strategic noise issues by requiring competent authorities to draw up action plans to manage noise issues and their effects Reduce noise, where possible, and maintain the environmental acoustic quality where it is good	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Carlow County Council's Climate Adaption Strategy 2019-2024 Laois County Council's Climate Adaption Strategy 2019-2024	The Carlow County Council Climate Change Adaptation Strategy 2019-2024 and Laois County Council Climate Change Adaptation Strategy 2019-2024 feature a range of actions across sectors including: agriculture, forestry, biodiversity, built and archaeological heritage, transport infrastructure, electricity and gas networks, communication networks, flood risk management, water quality, water services infrastructure and health.	The Strategies seek to: <ul style="list-style-type: none"> Ensure a proper comprehension of the key risks and vulnerabilities of climate change; Bring forward the implementation of climate resilient actions in a planned and proactive manner; and 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their

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Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
<p>Carlow County Council's Draft Climate Action Plan</p> <p>Laois County Council's Draft Climate Action Plan</p>	<p>Under the National Climate Action Plan 2023, Carlow and Laois County Councils are required to prepare a locally specific climate action plan for their administrative areas. Once adopted, these plans will be valid for five years, and is subject to update at least every five years. Carlow and Laois County Councils' Climate Action Plans are being prepared and are required to be adopted before 24th February 2024. These plans will contribute towards addressing the mitigation of greenhouse gas emissions, climate change adaptation, and strengthening the alignment between national climate policy and the delivery of local climate action.</p>	<p>Through the development and implementation of specific, action-focused, time-bound and measurable actions, local authority climate action plans will:</p> <ul style="list-style-type: none"> • Ensure that climate adaptation considerations are mainstreamed into all plans and policies and integrated into all operations and functions of Carlow and Laois County Councils. • Provide a strong emphasis on a place-based approach to climate action, delivering a better understanding of greenhouse gas emissions and climate-related risks at a local level, while addressing context-specific conditions and support for locally tailored policy making. • Deliver and promote evidence-based and integrated climate action by way of adaptation and mitigation measures, centred around a strong understanding of the role and remit of the local authority on climate action. • Translate and provide strategic direction at local and community levels on the delivery of the national climate objective which is seeking to curb further global warming and to transition to a climate resilient, biodiversity rich, environmentally sustainable and climate neutral economy by no later than the end of 2050. 	<p>plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p> <p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Draft Carlow County Council Renewable Energy Strategy</p>	<p>The Strategy sets out the framework for the delivery of sustainable and renewable energies throughout the County.</p>	<p>The LARES outlines the potential for a range of renewable energy resources and developments and acknowledges the significant contribution that they can make to the county in terms of energy security, reduced reliance on traditional fossil fuels, enabling future energy exports, meeting assigned national targets and the transition to a low carbon economy</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>County Carlow Tourism Strategy and Action Plan 2020-2025</p>	<p>Key strategic principles for tourism development identified, include:</p> <ul style="list-style-type: none"> • The natural and built heritage of the County as a primary tourism asset. • The requirement to align with Ireland's Ancient East. • The long-standing need to develop a flagship attraction for the County. • The opportunity for experience and product development. • The imbalance in the County arising from location of tourism product in the north of the county and areas of attractive scenery which are generally located toward the South of the County. 	<p>County Carlow Tourism Strategy and Action Plan was commissioned by Carlow Tourism, and has been prepared in the context of Ireland's Ancient East. The purpose of the strategy is to:</p> <ul style="list-style-type: none"> • improve the profile of Carlow as a holiday destination; • maximise the economic outputs for tourism; • grow tourism related employment; and improve the product offering and visitor experience. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>A Strategic Plan for Tourism in Laois 2018-2023</p>	<p>The Strategy sets out a collaborative approach to tourism that enables Laois to harness the potential of its built and natural heritage to become an all year-round tourism destination</p>	<p>The Vision will be achieved through the fulfilment of the following key objectives:</p> <ul style="list-style-type: none"> • Attract visitors into the heart of Ireland's story through quality authentic Irish heritage and outdoor activity experiences. • Grow tourism visitor numbers and value of tourism through the enhancement of the Laois tourism product and service base supported by the structures that contribute to the strategic development of the tourism sector across the county • Tourism leadership and partnership increased visitor numbers increase tourism spend increased tourism employment. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Project Carlow 2040: A Vision for Regeneration</p>	<p>The Project Carlow 2040 Regeneration Strategy sets the long-term strategy and approach to the spatial pattern of development in Carlow Town over the next 20 years. As a long term plan it informs and will drive the economic, social and physical development of Carlow Town as an investment location and place to live, setting the direction for the development of strategic sites.</p>	<p>The long-term vision of this Regeneration Strategy is to transform Carlow Town into a regional powerhouse of sustainable economic growth that will offer business opportunities and a better quality of life for all.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>County Laois Draft Retail Strategy 2021-2027</p> <p>County Carlow Draft Retail Strategy 2022-2028</p>	<p>The key objectives of this retail strategy are as follows:</p> <ul style="list-style-type: none"> • Define the retail hierarchy in the County and related retail core boundaries; • Undertake a health check appraisal of the key retail centres in Laois, to ascertain the need for interventions in these areas; • Identify the broad requirement for additional retail floorspace development in the County over the plan period, to support the established settlement hierarchy, and; 	<p>The overriding aim of the strategy is to create the appropriate conditions necessary to foster a healthy and vibrant retail environment in County Laois over the Development Plan period of 2021-2027. It does so through retail policy recommendations which are framed in the context of national and regional plans, strategies and guidelines. The strategy provides important information on the quantum, scale and types of retail development required over the period to 2027, with further outlook to 2031.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>

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Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
County Laois Storm Water Management Policy	Provide guidance on policy recommendations and criteria for the future assessment of retail development proposals over the Development Plan Period 2021-2027. This document sets out a countywide policy for storm water management relating to planning applications for single domestic properties, residential developments and commercial and industrial developments in both rural and urban environments.	This policy sets out the minimum requirements and practices to achieve an acceptable design of storm water management systems for developments to be taken in charge by Laois County Council.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Carlow County Council Draft Litter Management Plan 2021-2023 Laois County Council Litter Management Plan 2022-2024	The objectives of this Plan are to improve, protect, enhance and promote the natural and built environment in the interests of present and future generations.	The objectives of the Litter Plan 2022 – 2024 are: 1. Promotion of Education and Awareness Campaigns 2. Litter Prevention & Enforcement 3. Partnership with Communities and Business 4. Provision of Waste Facilities 5. Management of Litter	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Carlow Town Biodiversity Strategy and Action Plan 2021-2025	The new Carlow Town Biodiversity Strategy & Action Plan provides a strategic plan and specific actions for protecting and enhancing biodiversity in Carlow Town, including tackling invasive non-native species and protecting ecosystem services.	With this new strategy, Carlow are striving to ensure that biodiversity and the various and multiple eco-systems in Carlow Town are identified, preserved and improved for the benefit of future generations.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Southern Regional Waste Management Plan 2015-2021 Eastern and Midlands Regional Waste Management Plan 2015-2021	These plans give effect to national and EU waste policy, and address waste prevention and management (including generation, collection and treatment) over the period 2015-2021.	To manage wastes in a safe and compliant manner, a clear strategy, policies and actions are required.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Fáilte Ireland Tourism plans, strategies, including those relating to 'Ireland's Ancient East' Regional Tourism Development Strategy and Destination Experience Development Plans	Fáilte Ireland's work includes preparing various plans and strategies for Ireland's Ancient East and other brands and initiatives. These plans are subject to their own environmental assessment processes and any project arising is required to be consistent with and conform with the provisions of all adopted/approved Statutory Policies, Strategies, Plans and Programmes, including provisions for the protection and management of the environment.	Some of Fáilte Ireland's plans and strategies include various projects relating to land use and infrastructural development, including those relating to development of land or on land and the carrying out of land use activities. Many of these projects exist already while some are not currently in existence.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Various existing, planned and emerging projects provided for by the above plans and programmes	These projects have been provided for by higher-level plans and programmes.	These projects will contribute towards the development of the area to which the Plan relates and/or wider area and will contribute towards environmental protection and management.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.