

BIBLIOGRAPHY

Introduction

Bitpower (2020). Ireland's Data Hosting Industry – Biannual Report

Department of Environment, Climate and Communications (2022). Climate Action Plan 2023.

Department of Environment, Climate and Communications (2021). Climate Action and Low Carbon Development (Amendment) Bill 2021.

Department of Communications, Climate Action & Environment (2021). Climate Action Plan 2021

Department of Communications, Energy & Natural Resources (2015). Ireland's Transition to a Low Carbon Energy Future 2015-2030.

Department of Communications, Energy & Natural Resources (2014). Draft Bioenergy Plan 2014.

Department of the Environment, Heritage and Local Government (2006). Wind Energy Development Guidelines for Planning Authorities. DoEHLG, Dublin.

Department of Housing, Planning and Local Government (December 2019) Draft Revised Wind Energy Development Guidelines. DHPLG, Dublin.

Department of Housing, Planning and Local Government (August 2018) Guidelines for Planning Authorities and An Bord Pleanála on Carrying out Environmental Impact Assessment. DHPLG, Dublin.

Department of Housing, Planning and Local Government (June 2017) Review of the Wind Energy Development Guidelines 2006 – Preferred Draft Approach. DHPLG, Dublin.

Department of Housing, Planning and Local Government (2013) Proposed Revisions to Wind Energy Development Guidelines 2006 – Targeted Review. DHPLG, Dublin.

Department of Public Expenditure and Reform (DPER) (2013). Future Expenditure Risks associated with Climate Change/Climate Finance.

EirGrid (October 2022) Ireland Capacity Outlook 2022-2031.

EirGrid (October 2019) All Island Generation Capacity Statement 2019-2028

Environmental Protection Agency (June 2022): Ireland's Provisional Greenhouse Gas Emissions 1990-2021 Report.

Environmental Protection Agency (May 2022): Guidelines on the Information to be Contained in Environmental Impact Assessment Reports. EPA, Wexford.

Environmental Protection Agency (July 2022): Ireland's Provisional Greenhouse Gas Emissions 1990-2021.

Environmental Protection Agency (June 2021): Ireland's Provisional Greenhouse Gas Projections 2020-2040.

Environmental Protection Agency (2016): Ireland's Environment – An Assessment.

Environmental Protection Agency (September 2015): Draft - Advice Notes on Current Practice (in the preparation on Environmental Impact Statements). EPA, Wexford.

Environmental Protection Agency (2003) Advice Notes on Current Practice in the Preparation of Environmental Impact Statements. EPA, Wexford.

European Commission (March 2022) REPowerEU: A plan to rapidly reduce dependence on Russian fossil fuels and fast forward the green transition. Brussels. https://ec.europa.eu/commission/presscorner/detail/en/IP_22_3131

European Commission (March 2022) REPowerEU: Joint European Action for more affordable, secure and sustainable energy. Strasbourg. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_1511

European Commission (2017). Environmental Impact Assessment of Projects: Guidance on the preparation of the Environmental Impact Assessment Report.

European Union (2018). Directive 2018/2001/EU. European Parliament and European Council.

European Union (2014). Directive 2014/52/EU. European Parliament and European Council.

European Union (2011). Directive 2011/92/EU. European Parliament and European Council.

European Union (2009). Directive 2009/147/EC. European Parliament and European Council.

European Union (1992). Directive 92/43/EEC. European Parliament and European Council.

European Union (2017) Guidance on Scoping (Directive 2011/92/EU as amended by 2014/52/EU).

European Union (2017) Guidance on Screening (Directive 2011/92/EU as amended by 2014/52/EU).

European Union (2017) Guidance on the preparation of the EIA Report (Directive 2011/92/EU as amended by 2014/52/EU).

Government of Ireland (2022) Climate Action Plan 2023.

IPCC, 2022: Working Group II-Climate Change 2022: Impacts, Adaptation and Vulnerability

IPCC, 2022: Climate Change 2022: Impacts, Adaptation and Vulnerability. Sixth Assessment Report, Intergovernmental Panel on Climate Change AR6 Report.

IPCC, 2021: Climate Change 2021: The Physical Science Basis. Sixth Assessment Report, Intergovernmental Panel on Climate Change AR6 Report.

Ireland Greenhouse Gas Emissions Projections 2020-2040 (EPA June 2021) - <https://www.epa.ie/publications/monitoring-assessment/climate-change/air-emissions/EPA-Irelands-Greenhouse-Gas-Emissions-Projections-report-2020-2040v2.pdf>

Ireland Wind Energy Association (2015). Data Centre Implications for Energy Use in Ireland

Irish Statute Book (2018). European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018 (S.I. No. 296 of 2018).

Irish Statute Book (2001). Planning and Development Regulations (as amended) S.I. No. 600 of 2001. Stationery Office, Dublin.

Irish Statute Book (2000). Planning and Development Acts 2000 to 2023. Stationery Office, Dublin.

Joint Committee on Climate Action (March 2019). Climate Change: A Cross- Party Consensus for Action

Mayo County Council (2022) Mayo County Development Plan 2022-2028

Pöyry (March 2014). The Value of Wind Energy to Ireland.

Sustainable Energy Authority of Ireland (December 2022): Energy in Ireland – 2022 Report.

Sustainable Energy Authority of Ireland (December 2022): Ireland’s energy-related CO2 emissions heading in wrong direction. http://www.seai.ie/News_Events/Press_Releases/2014/Biomass-is-a-big-part-of-the-solution-but-not-the-whole-solution.html

Sustainable Energy Authority of Ireland (2019): Sustainability Criteria Options and Impacts for Irish Bioenergy Resources.

Sustainable Energy Authority of Ireland (December 2020): Energy in Ireland – 2020 Report.

Sustainable Energy Authority of Ireland (December 2019): Energy in Ireland – 2019 Report.

Sustainable Energy Authority of Ireland (April 2016): Ireland’s Energy Targets – Progress, Ambitions & Impacts.

World Health Organization and European Union (2014). www.euro.who.int/en/health-topics/environment-and-health/air-quality/news/news/2014/03/almost-600-000-deaths-due-to-airpollution-in-europe-new-who-global-report

Wind Energy Ireland (April 2021). Economic Impact of Onshore Wind in Ireland.

Background to the Proposed Development

Climate Change Advisory Council (2022). Annual Review 2022.

Climate Change Advisory Council Carbon Budget Technical Report (October 2021)
<https://www.gov.ie/en/publication/9af1b-carbon-budgets/>

Commission for Regulation of Utilities (2018) Enduring Connection Policy Stage 1 (ECP-1). Dublin

Department of Climate Change, Action & Environment (2021). Climate Action and Low Carbon Development (Amendment) Bill 2021.

Department of Climate Change, Action & Environment (2021). Climate Action Plan 2021

Department of Climate Change, Action & Environment. Renewable Energy Support Scheme

Department of Climate Change, Action & Environment (2018). National Adaptation Framework - Planning for a Climate Resilient Ireland 2018.

Department of Climate Change, Action & Environment (2017) National Mitigation Plan 2017

Department of Climate Change, Action & Environment (2017). Fourth Progress Report on the National Renewable Energy Action Plan.

Department of Climate Change, Action & Environment (2016). Draft Renewable Electricity Policy and Development Framework.

Department of Climate Change, Action & Environment (2016). Code of Practice for Wind Energy Development in Ireland - Guidelines for Community Engagement 2016.

Department of Communications, Energy & Natural Resources (2015). Ireland’s Transition to a Low Carbon Energy Future 2015-2030.

Department of Communications, Energy & Natural Resources (2015). White Paper on Energy Policy in Ireland 2015-2030, Dublin.

Department of Communications, Energy and Natural Resources (2012). Strategy for Renewable Energy 2012 – 2020

Department of Environment, Climate and Communications (2022). Climate Action Plan 2023.

Department of Environment, Climate and Communications (2022). National Energy Security Framework 2022.

Department of the Environment, Heritage and Local Government (2006). Wind Energy Guidelines 2006.

Department of Housing, Planning, Community and Local Government (2017). Interim Guidelines for Planning Authorities on Statutory Plans, Renewable Energy and Climate Change.

Department of Housing, Planning, Community and Local Government (2017). Department Circular PL5/2017

Department of Housing, Planning, Community and Local Government (2019) Draft Revised Wind Energy Development Guidelines

Department of Agriculture, Food and Marine. Forest Service Guidelines

Department of Agriculture, Food and Marine. Environmental Requirements for Afforestation (2016).

EirGrid (2020) All Island Generation Capacity Statement 2020 – 2029, Dublin.

EirGrid (October 2022). All Island Generation Capacity Statement 2022 – 2031.

Eirgrid (2019). Strategy 2020-2025: Transform the Power System for Future Generations

Eirgrid (2017). Grid Implementation Plan 2017-2022 for the Electricity Transmission System in Ireland.

Eirgrid (2016). Transmission Development Plan 2016-2026.

Environmental Protection Agency (2021). Ireland's Greenhouse Gas Emission Projections 2020-2040.

Environmental Protection Agency (June 2022). Ireland's Greenhouse Gas Emission Projections 2021-2040.

Environmental Protection Agency, Marine Institute, Met Éireann (August 2021). Climate Status Report for Ireland 2020.

European Commission (March 2022) REPowerEU.

European Commission (July 2021) European Climate Law.

European Commission (July 2021). 'Fit for 55': delivering the EU's 2030 Climate Target on the way to climate neutrality.

European Commission (December 2019). European Green Deal.

European Commission (2011). Energy Roadmap 2050.

European Union (2018). Directive 2018/2001/EU. European Parliament and European Council.

European Union (2018). Effort Sharing Regulation (ERS).

European Union (2017). Fit for 55. <https://www.consilium.europa.eu/en/policies/eu-plan-for-a-green-transition/>

- European Union (2014). 2030 Climate and Energy Framework.
- Government of Ireland (2021). National Development Plan 2021-2030.
- Government of Ireland (2020) Programme for Government 2020.
- Government of Ireland (2018). Project Ireland 2040 National Planning Framework
- Institute of Acoustics (2013). Good Practice Guide To The Application Of Etsu-R-97 For The Assessment And Rating Of Wind Turbine Noise.
- Institute of Air Quality Management (2016). Guidance on the Assessment of Mineral Dust Impacts for Planning.
- Intergovernmental Panel on Climate Change (August 2021). Climate Change 2021 ‘The Physical Science Basis’.
- Intergovernmental Panel on Climate Change (October 2018). Global Warming of 1.5°C
- Irish Statute Book (2000). Planning and Development Acts 2000 to 2019. Stationery Office, Dublin.
- Irish Wind Energy Association. <https://www.iwea.com/about-wind/faqs>
- Irish Wind Energy Association (2013). Best Practice Principles in Community Engagement and Community Commitment 2013.
- Irish Wind Energy Association (2012). Best Practice Guidelines for the Irish Wind Energy Industry.
- Joint Committee on Climate Action (2019). Climate Change: A Cross-Party Consensus for Action.
- Mayo County Council (2022) Mayo County Development Plan 2022-2028.
- National Energy Security Framework (2022).
- Scottish Natural Heritage (2012, 2018). Assessing the Cumulative Impacts of onshore Wind Energy Developments.
- Southern Regional Assembly (2020). Regional Spatial and Economic Strategy, Southern Region, 2020.
- Sustainable Energy Authority of Ireland (2022), Energy in Ireland 2022 Report.
- Sustainable Energy Authority of Ireland (2021), Energy in Ireland 2021 Report.
- Sustainable Energy Authority of Ireland (2019), National Energy Projections.
- Sustainable Energy Authority of Ireland (SEAI) website, www.seai.ie
- Transport Infrastructure Ireland (2022). Air Quality Assessment of Proposed National Roads – Standard PE-ENV-01107, December 2022.
- United Nations (1992). United Nations Framework Convention on Climate Change
- United Nations (1997). Kyoto Protocol to the United Nations Framework Convention on Climate Change
- United Nations (2012). Doha Amendment to the Kyoto Protocol
- United Nations (2015). COP21 Paris Agreement, Paris.
- United Nations (2021). COP27 Climate Change Conference, Sharm el-Sheikh.



Consideration of Reasonable Alternatives

Department of Environment, Climate and Communications (2022). Climate Action Plan 2023.

Department of Housing, Planning and Local Government (December 2019) Draft Revised Wind Energy Development Guidelines. DHPLG, Dublin.

Department of Housing, Planning and Local Government (September 2017). Ireland 2040 – Our Plan. Dublin

Department of the Environment, Heritage and Local Government (2006). Wind Energy Development Guidelines 2006.

Environmental Protection Agency (2022): Guidelines on the Information to be contained in Environmental Impact Assessment Reports.

European Union (2017) Guidance on the preparation of the EIA Report (Directive 2011/92/EU as amended by 2014/52/EU).

European Union (2014). Directive 2014/52/EU. European Parliament and European Council.

European Union (2011). Directive 2011/92/EU. European Parliament and European Council.

Irish Wind Energy Association (2012). Best Practice Guidelines for the Irish Wind Energy Industry.

Mayo County Council (2022). Mayo County Development Plan 2022-2028

Description of the Proposed Development

Agriculture and Food Development Authority (2014). Forestry Act 2014.

COFORD (2004): Forest Road Manual – Guidelines for the Design, Construction and Management of Forest Roads.

Coillte (2009): Forest Operations & Water Protection Guidelines.

Commission for the Regulation of Utilities (2017) Review of Typical Consumption Figures Decision.

https://www.cru.ie/document_group/review-of-typical-consumption-figures-decision-paper/

Construction Industry Research and Information Association (CIRIA) (2006). Guidance on ‘Control of Water Pollution from Linear Construction Projects’ (CIRIA Report No. C648, 2006).

Construction Industry Research and Information Association (CIRIA) (2006). : Control of Water Pollution from Construction Sites - Guidance for Consultants and Contractors. CIRIA C532. London.

Department of Communications, Climate Action and Environment (2018) Renewable Electricity Support Scheme (RESS) 1. DCCA, Dublin.

Department of Agriculture, Fisheries and Food (2011). Forest Service Policy on the Granting of Felling Licences for Wind Farm Development.

Department of the Environment, Heritage and Local Government (2006) Wind Energy Development Guidelines for Planning Authorities (Revised). Stationery Office, Dublin.

Environmental Protection Agency Ireland (2009) Code of Practice: Wastewater Treatment and Disposal Systems Serving Single Houses. EPA, Wexford.

Environmental Protection Authority (2007). Environmental Protection Guidelines for Construction and Land Development in the ACT.

Environmental Protection Agency Ireland (1999) Wastewater Treatment Manuals - Treatment Systems for Small Communities, Business, Leisure Centres and Hotels. EPA, Wexford.

Forestry Commission (2004): Forests and Water Guidelines, Fourth Edition. Publ. Forestry Commission, Edinburgh.

Forest Services (2018). (Draft) Forestry and Freshwater Pearl Mussel Requirements – Site Assessment and Mitigation Measures.

Forest Service (2000): Forestry and Water Quality Guidelines. Forest Service, DAF, Johnstown Castle Estate, Co. Wexford.

Inland Fisheries Ireland (2016): Guidelines on Protection of Fisheries during Construction Works in and Adjacent to Watercourses.

Institute of Geologists Ireland (2007) Guide for Drilling Wells for Private Water Supplies. IGI, Dublin.

Irish Statute Book (2017) Forestry Regulations 2017 (S.I. No. 191 of 2017).

Irish Statute Book (2007) Waste Management (Collection Permit) Regulations, 2007 as amended (S.I. No. 820 of 2007).

Irish Statute Book (1996) Waste Management Act 1996 (S.I. No. 10 of 1996).

Office of Public Works. Construction, Replacement or Alteration of Bridges and Culverts - A Guide to Applying for Consent under Section 50 of the Arterial Drainage Act, 1945. Available at:

<https://www.gov.ie/en/publication/957aa7-consent-requirements-constructionalteration-of-watercourse-infrastru/>

Scottish Natural Heritage (2013) Research and Guidance on Restoration and Decommissioning of Onshore Wind Farms Commissioned Report No. 591/ SNH, Stirling.

Scottish Natural Heritage (2010) Good Practice During Wind Farm Construction.

Scottish Natural Heritage (2009) Guidance on Methods for Monitoring Bird Populations at Onshore Wind Farms SNH, Perth.

Siltbuster. Concrete Washer. Available at https://www.siltbuster.co.uk/sb_prod/siltbuster-roadside-concrete-washout-rcw/

UK Guidance Note. PPG5 – Works or Maintenance in or Near Watercourses.

UK Guidance Note. PPG1 - General Guide to Prevention of Pollution.

Wind Energy Ireland. Wind Stats. Available at <https://www.windenergyireland.com/about-wind/the-basics/facts-stats>

Population and Human Health

American Wind Energy Association and Canadian Wind Energy Association (2009). Wind Turbine Sound and Health Effects - An Expert Panel Review, USA and Canada.

Australian Government National Health and Medical Research Council (NHMRC) Wind Turbines & Health (2010). A Rapid Review of the Evidence. Australia.

Baringa (2019) Wind for a Euro: Cost-benefit analysis of wind energy in Ireland 2000-2020

BiGGAR Economics (2016). Wind Farms and Tourism Trends in Scotland. Midlothian, Scotland.

Central Statistics Office Ireland (2012). Census of Agriculture 2010 Detailed Results. www.cso.ie

Central Statistics Office Ireland (2018). Census Results 2011 & 2016. www.cso.ie

Centre for Economics and Business Research (2014) The effect of wind farms on house prices. Renewable UK, London.

Chapman and Crichton (2017). Wind turbine syndrome; A communicated disease.

Chapman and Simonetti (2015). Summary of main conclusions reached in 25 reviews of the research literature on wind farms and health.

Climate and Health Alliance (2012). Position Statement on Health and Wind Turbines. Australia.

Climate Exchange (October 2016). Impact of Wind Turbines on House Prices in Scotland.

Danish Wind Industry Association (2003) Shadow Variations from Wind Turbines.

Department of Environment, Climate and Communications (2022). Climate Action Plan 2023.

Department of Communications, Climate Action and Environment (2021) Climate Action Plan (CAP).

Department of Housing, Planning and Local Government (December 2019). Draft Revised Wind Energy Development Guidelines. DHPLG, Dublin.

Department of Housing, Planning and Local Government (June 2017) Review of the Wind Energy Development Guidelines 2006 – Preferred Draft Approach. DHPLG, 2017.

Department of Housing, Planning and Local Government (December 2013). Proposed Revisions to Wind Energy Development Guidelines 2006 – Targeted Review

Department of Housing, Planning, Community and Local Government (2017). Key Issues Consultation Paper on the Transposition of the 2014 EIA Directive.

Department of the Environment, Heritage and Local Government (2007). National Climate Change Strategy 2007 – 2012. Stationery Office, Dublin.

Department of the Environment, Heritage and Local Government (2006). Wind Energy Development Guidelines for Planning Authorities (Revised). Stationery Office, Dublin.

Discover Ireland www.discoverireland.ie

EirGrid (2017). EMF & You: Information about Electric & Magnetic Fields and the electricity transmission system in Ireland.

Environmental Protection Agency (2022). Guidelines on the Information to be Contained in Environmental Impact Statements. EPA, Wexford.

Environmental Protection Agency (July 2022) Ireland's Provisional Greenhouse Gas Emissions 1990-2022. www.epa.ie

Environmental Protection Agency (April 2021) Ireland's Final Greenhouse Gas Emissions. www.epa.ie

Environmental Protection Agency (2013) Environmental Protection Agency Licensing Act 1992 as amended.

ESB (2017) EMF & You: Information about Electric & Magnetic Fields and the electricity transmission system in Ireland (https://esb.ie/docs/default-source/default-document-library/emf-public-information_booklet_v9.pdf?sfvrsn=0).

Fáilte Ireland (March 2021) Key Tourism Facts 2019. www.failteireland.ie

Fáilte Ireland (March 2021). Regional tourism performance in 2019.

Fáilte Ireland (August 2018) 2017 Topline Tourism Performance By Region. www.failteireland.ie

Fáilte Ireland (2012). Visitor Attitudes on the Environment: Wind Farms – Update on 2007 Research.

Fáilte Ireland (2008). Visitor Attitudes on the Environment: Wind Farms.

Fáilte Ireland (September 2019). Tourism Facts 2018. Fáilte Ireland. Available at: www.failteireland.ie

Finnish Government's Analysis, Assessment and Research Activities (VN TEAS) (2020). Infrasound Does Not Explain Symptoms Related to Wind Turbines.

Health & Safety Authority (2006) Guidelines on the Procurement, Design and Management Requirements of the Safety, Health and Welfare at Work (Construction) Regulations.

Heblich, Dr. S. et al (2016) Impact of wind Turbines on House Prices in Scotland. Climate Xchange

Helimax Energy (2008). Shadow Flicker Analysis. Stantec, Ontario.

HSE Public Health Medicine Environment and Health Group (2017) Position Paper on Wind Turbines and Public Health. Ireland.

International Commission on Non-Ionizing Radiation Protection (ICNIRP) (2020). RF EMF Guidelines 2020.

Irish Statute Book (2013) Safety, Health and Welfare at Work (Construction) Regulations 2013 (S.I. 291 of 2013), as amended.

Irish Statute Book (2007) Safety, Health and Welfare at Work (General Application) Regulations 2007 (S.I. No. 299 of 2007), as amended.

Irish Statute Book (2006) Safety, Health and Welfare at Work (Work at Height) Regulations 2006 (S.I. No. 318 of 2006).

Irish Statute Book (2005) Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005), as amended.

Irish Wind Energy Association (2009). Jobs and Investment in Irish Wind Energy – Powering Ireland's Economy. Deloitte, Ireland.

- Irish Wind Energy Association (2014). “An Enterprising Wind” An economic analysis of the job creation potential of the wind sector in Ireland, Siemens Limited, Dublin.
- Irish Wind Energy Association (January 2020) Interactions Opinion Poll on Wind Energy. Ireland
- Irish Wind Energy Association (2012). Best Practice Guidelines for the Irish Wind Energy Industry.
- Lawrence Berkley National Laboratory (2013) A Spatial Hedonic Analysis of the Effects of Wind Energy Facilities on Surrounding Property Values in the United States.
- Lawrence Berkley National Laboratory (2009). The Impact of Wind Power Projects on Residential Property Values in the United States: A multi-Site Hedonic Analysis. US Department of Energy London.
- Le Blanc et al. (1991). Behavioral and Physiological Responses of Horses to Simulated Aircraft Noise.
- Marshall Day Acoustics (2014). Summary of research of noise effects on Animals.
- Massachusetts Departments of Environmental Protection and Public Health (2012). Wind Turbine Health Impact Study -Report of Independent Expert Panel. USA.
- Massachusetts Institute of Technology (2014) Wind Turbines and Health, A Critical Review of the Scientific Literature, Journal of Occupational and Environmental Medicine Vol. 56 (11).
- Met Éireann (2013). 30 Year Averages. <https://www.met.ie/climate/30-year-averages>
- Noble Environmental Power LLC (2006). Wind Fact Sheet #4: Shadow Flicker. Noble Environmental Power, Connecticut.
- ODPM Annual Report and Accounts 2004: Housing, Planning, Local Government and the Regions Committee; Planning Policy Statement 22
- Póryy (2014) The Value of Wind Energy to Ireland A report to Irish Wind Energy Association. Cambridge Economics.
- Renewable UK (2010). Wind Turbine Syndrome - An independent review of the state of knowledge about the alleged health condition. London, UK.
- Siemens (2014) “An Enterprising Wind” An economic analysis of the job creation potential of the wind sector in Ireland
- Sustainable Energy Authority of Ireland (October 2017). ‘Attitudes Towards the Development of Wind Farms in Ireland’. SEAI, Dublin.
- Sustainable Energy Authority of Ireland (2011), Wind Energy Roadmap 2011 to 2050. www.seai.ie
- Sustainable Energy Authority of Ireland (2003). Attitudes Towards the Development of Wind Farms in Ireland. SEAI, Dublin.
- UK Department of Energy and Climate Change (2010). Update of Shadow Flicker Evidence Base. DECC,
- Warren, C.R. *et al.*, (2005). Green on Green: Public Perceptions of Wind Power in Scotland and Ireland. Journal of Environmental Planning and Management 48(6): 853-875.
- Wind Energy Ireland & KPMG (April 2021) Economic impact of onshore wind in Ireland. www.windenergyireland.com



Wind Energy Ireland & MaREI (March 2021) Our Climate Neutral Future Zero by 50.
www.windenergyireland.com

Wind Energy Ireland (January 2021) Public Attitudes Monitor. www.windenergyireland.com

WindEurope (February 2022). Wind Energy in Europe: 2021 Statistics and the Outlook for 2022-2026.

WindEurope (September 2017). Wind energy in Europe: Scenarios for 2030.

World Health Organisation (2018). Environmental Noise Guidelines for the European Region: World Health Organisation Regional Office for Europe, 2018.

Biodiversity

Bailey, M. and Rochford J. (2006) Otter Survey of Ireland 2004/2005. Irish Wildlife Manuals, No. 23. National Parks and Wildlife Service, Department of Environment, Heritage and Local Government, Dublin, Ireland.

Collins, J. (ed.) (2016) Bat Surveys for Professional Ecologists: Good Practice Guidelines (3rd edn.). The Bat Conservation Trust, London.

CIEEM (2018) Institute of Ecology and Environmental Management Draft Guidelines for Ecological Impact Assessment: Terrestrial, Freshwater and Coastal

Crowe, O. (2005) Ireland's Wetlands and their Waterbirds: Status and Distribution. BirdWatch Ireland, Rockingham, Co. Wicklow.

EC (2007b) Interpretation Manual of European Union Habitats. Version EUR 27. European Commission, DG Environment.

EPA 2022, Guidelines On The Information To Be Contained In Environmental Impact Assessment Reports, Online, Available at: <https://www.epa.ie/pubs/advice/ea/EPA%20ELAR%20Guidelines.pdf>, Date accessed: July 2023.

EPA, 2019, Water status data. Online, Available at <http://www.epa.ie>, Accessed: May 2021.

European Communities (Environmental Impact Assessment) Regulations, 1989 to 2001.

European Communities (Natural Habitats) Regulations, SI 94/1997, SI 233/1998 & SI 378/2005 – <http://www.irishstatutebook.ie>.

Fossitt, J. A. (2000). A Guide to Habitats in Ireland. Dublin: The Heritage Council.

Habitats Directive (92/43/EEC).

Kelly, F.L., Matson, R., Delanty, K., Connor, L., O'Briain, R., Gordon, P., Corcoran, W., Feeney, R., Coyne, J., Morrissey, E., Cierpal, D. and Rocks, K. (2015) Sampling Fish for the Water Framework Directive, Rivers 2015. Inland Fisheries Ireland, 3044 Lake Drive, Citywest Business Campus, Dublin 24, Ireland.

Marnell, F., Kingston, N. & Looney, D. (2009) Ireland Red List No. 3: Terrestrial Mammals, National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin, Ireland.

NRA, 2005b. Guidelines for the Treatment of Badgers prior to the Construction of National Road Schemes.

NPWS (2008) The Status of EU Protected Habitats and Species in Ireland. Conservation Status in Ireland of Habitats and Species listed in the European Council Directive on the Conservation of Habitats, Flora and Fauna 92/43/EEC.

NPWS (2019). The Status of EU Protected Habitats and Species in Ireland. Volume 2: Habitat Assessments. Unpublished NPWS report. Edited by: Deirdre Lynn and Fionnuala O'Neill.

NPWS Online map for protected bryophytes, <http://dahg.maps.arcgis.com/apps/webappviewer/index.html?id=71f8df33693f48edbb70369d7fb26b7e>, Online, Accessed: December 2021.

NPWS Protected Site Synopses and maps available on <http://www.npws.ie/en/ProtectedSites/>. Last accessed January 2022.

O'Neill et al. (2009) Irish Semi-natural natural Grasslands Survey Annual Report No. 2: Counties Cavan, Leitrim, Longford & Monaghan. Bec Consultants

Smal, C. (1995) The Badger and Habitat Survey of Ireland. Unpublished Report to the Department of Agriculture and the National Parks & Wildlife Service.

Stace, C. A. (1997). New Flora of the British Isles. Cambridge: Cambridge University Press.

Stone, E.L. (2013) Bats and lighting: Overview of current evidence and mitigation guidance.

TII (2004) Environmental Impact Assessment of National Road Schemes – A Practical Guide, National Roads Authority, Dublin.

TII (2004) Guidelines for the Treatment of Noise and Vibration in National Road Schemes (1 ed.). Dublin: National Roads Authority.

TII (2005) Guidelines for the Crossing of Watercourses during the Construction of National Road Schemes. Dublin: National Roads Authority.

TII (2006) Best Practice Guidelines for the Conservation of Bats in the Planning of National Road Schemes. Dublin: National Roads Authority.

TII (2006) Guidelines for the Protection and Preservation of Trees, Hedgerows and Scrub Prior to, During and Post-Construction of National Road Schemes. Dublin: National Roads Authority.

TII (2006) Guidelines for the Treatment of Bats during the Construction of National Road Schemes. Dublin: National Roads Authority.

TII (2008). Guidelines for the Creation, Implementation and Maintenance of an Environmental Operating Plan. Dublin: National Roads Authority.

TII (2008b). GUIDELINES FOR THE TREATMENT OF OTTERS PRIOR TO THE CONSTRUCTION OF NATIONAL ROAD SCHEMES.

TII (2009) Guidelines on Ecological Surveying Techniques for Protected Flora and Fauna on National Road Schemes. Dublin: National Roads Authority.

TII (2010b) Guidelines on management of noxious weeds and non-native invasive plant species on national roads. National Roads Authority.

Ornithology

Balmer et al. (2013). Bird Atlas 2007-11: The breeding and wintering birds of Britain and Ireland.

Band, W., Madders, M. and Whitfield, D.P. (2007) Developing Field and Analytical Methods to Assess Avian Collision Risk at Wind Farms. In: De Lucas, M., Janss, G. and Ferrer, M., Eds., Birds and Wind Power, Quercus Editions, Madrid, 259-275.

Bibby, C.J., Burgess, N.D., Hillis, D.M., and Mustoe S. (2000) *Bird Survey Techniques*, Massachusetts, United States, Academic Press.

Bird Watch Ireland (2021). Whooper swan census results 2020. Online at <https://birdwatchireland.ie/whooper-swan-numbers-in-ireland-increase-in-new-census-results/> [accessed June 2021]

Bird Watch Ireland (2021). Irish Wetland Bird Survey.

Bird Watch Ireland (2015). Bird Sensitivity Mapping for Wind Energy Developments and Associated Infrastructure in the Republic of Ireland. Birdwatch Ireland, Wicklow, Ireland. Available at: <https://birdwatchireland.ie/app/uploads/2019/09/BWI-Bird-Wind-Energy-devt-Sensitivity-Mapping-Guidance-document.pdf>

British Trust for Ornithology (2021) Breeding Bird Survey. British Trust for Ornithology, Thetford, UK. Available at: <https://www.bto.org/our-science/projects/bbs>

British Trust for Ornithology (2021). Common Bird Census.

BTO Birdfacts: <http://app.bto.org/birdfacts> [Accessed June 2021].

Burke et al. (2021). 2020 International Swan Census.

Burke et al. (2018). Estimates of waterbird numbers wintering in Ireland, 2011/12 – 2015/16.

Burke, B., Lewis, L., Fitzgerald, N., Frost, T., Austin, G. and Tierney, T. D. (2018) Estimates of waterbird numbers winter in Ireland, 2011/12-2015/16. *Irish Birds*, 11: 1-12.

Calladine et al. (2009). The influence of survey frequency on population estimates of moorland breeding birds.

CIEEM (2019). Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater, Coastal and Marine. Chartered Institute of Ecology and Environmental Management, Winchester.

Chamberlain, D.E., Rehfisch, M.R., Fox, A.D., Desholm, M. and Anthony, S.J. (2006). The effect of avoidance rates on bird mortality predictions made by wind turbine collision risk models. *Ibis*, 148: 198–202.

Council Directive 92/43/EEC 21 May 1992 on the conservation of natural habitats and of wild fauna and flora. Available at: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:31992L0043>

Council Directive 2009/147/EC 30 November 2009 on the conservation of wild birds. Available at: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32009L0147>

Council Directive 2014/52/EU 16 April 2014 amending Directive 2011/92/EU on the assessment of the effects of certain public and private projects on the environment. Available at: <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32014L0052&rid=1>

Crowe, O., Musgrove, A. J. and O'Halloran, J. (2014) Generating population estimates for common and widespread breeding birds in Ireland. *Bird Study*, 61(1):82-90. <https://doi.org/10.1080/00063657.2013.868401>

- Colhoun, K. & Cummins, S. (2013). Birds of Conservation Concern in Ireland 2014–2019. *Irish Birds* 9: 523-544.
- Craig et al. (2004). Survival, recruitment, and rate of population change of the peregrine falcon population in Colorado.
- Department of Housing, Planning and Local Government (2018). Guidelines for planning authorities and An Bord Pleanála on carrying out Environmental Impact Assessment.
- Devereux, C.L., Denny, M.J.H. and Whittingham, M.J. (2008). Minimal Effects of Wind Turbines on the Distribution of Wintering Farmland Birds. *Journal of Applied Ecology* 45, 1689–1694.
- Douglas, D.J.T., Bellamy, P.E. and Pearce-Higgins, J.W. (2011). Changes in the Abundance and Distribution of Upland Breeding Birds at an Operational Wind Farm. *Bird Study* 58, 37-43.
- Drewitt, A.L. and Langston, R.H.W. (2008). Collision Effects of Wind-power Generators and Other Obstacles on Birds
- Drewitt, A.L. and Langston, R.H.W. (2006). Assessing the Impacts of Wind Farms on Birds. *Ibis* 148, 29- 42.
- Dürr, T. (2021). Vogelverluste an Windenergieanlagen / bird fatalities at wind turbines in Europe. Daten aus der zentralen Fundkartei der Staatlichen Vogelschutzwarte im Landesamt für Umwelt, Gesundheit und Verbraucherschutz Brandenburg zusammengestellt. Tobias Dürr; Stand vom: 07 Mai 2021. Online <https://lfu.brandenburg.de/sixcms/media.php/9/Voegel-Uebersicht-Europa.xlsx> [Accessed in October 2021].
- Dürr, T. (2019). Vogelverluste an Windenergieanlagen / bird fatalities at wind turbines in Europe. Daten aus der zentralen Fundkartei der Staatlichen Vogelschutzwarte im Landesamt für Umwelt, Gesundheit und Verbraucherschutz Brandenburg zusammengestellt. Tobias Dürr; Stand vom: 07 January 2019. Online <http://www.lfu.brandenburg.de/cms/detail.php/bb1.c.312579.de> [Accessed in August 2019, currently unavailable].
- Environmental Protection Agency (2022). Guidelines on the Information to be Contained in Environmental Impact Statements. EPA, Wexford.
- European Commission (2020). Guidance document on wind energy developments and EU nature legislation. Publications Office of the European Union, Luxembourg.
- European Commission (2017). European Commission Guidance on the preparation of the Environmental Impact Assessment Report.
- European Commission (2002). Assessment of plans and projects significantly affecting
- Natura 2000 sites. Publications Office of the European Union, Luxembourg.
- European Union (2014). Directive 2014/52/EU. European Parliament and European Council.
- European Union (2009). Directive 2009/147/EC. European Parliament and European Council.
- European Union (1992). Directive 92/43/EEC. European Parliament and European Council.
- Fasola, M. & Bogliani, G. (1990). Foraging Ranges of Mediterranean Seabirds. *Colonial Waterbirds* 13(1): 72-74.
- Fielding, A.H. and Haworth, P.F. (2013). Farr Wind Farm: A Review of Displacement Disturbance on Golden Plover Arising from Operational Turbines 2005-2013. Haworth Conservation, Isle of Mull, Scotland.
- Fijn R.C., Krijgsveld K.L., Prinsen H.A.M., Tijssen W. & Dirksen S. 2007. Effecten op zwanen en ganzen van het ECN windturbine testpark in de Wieringermeer. Aanvaringsrisico's en verstoring van foeragerende vogels. Report No. 07-094, Bureau Waardenburg, Culemborg, the Netherlands.

www.buwa.nl/fileadmin/buwa_upload/Bureau_Waardenburg_apporten/2007_Fijn_BW_ganzen_zwanen_ECN-testpark_klein.pdf.

Fijn, R.C., Krijgsveld K.L., Tijssen W., Prinsen H.A.M. & Dirksen S. 2012. Habitat use, disturbance and collision risks for Bewick's Swans *Cygnus columbianus* wintering near a wind farm in the Netherlands. *Wildfowl* 62: 97–116.

Fitzgerald, N., Burke, B. & Lewis, L.J. (2021). Irish Wetland Bird Survey: Results of waterbird monitoring in Ireland in 2016/17 and 2017/18. BirdWatch Ireland, Wicklow.

Forestry Commission Scotland (2006). Forest operations and birds in Scottish forests - the law and good practice.

Gibbons et al. (1993). The new atlas of breeding birds in Britain and Ireland: 1988-1991

Gilbert, G., Stanbury, A. & Lewis, L. (2021). Birds of Conservation Concern in Ireland 4: (2020-2026). *Irish Birds* 43: 1-22.

Gilbert et al. (1998). *Bird Monitoring Methods: A Manual of Techniques for Key UK Species*

Government of Ireland (2022) *Irish Wildlife Acts 1976-2022 (Revised)*.

Gunnarsson et al. (2008). Density-dependent nest predation—an experiment with simulated Mallard nests in contrasting landscapes.

Hardey, J., Crick, H.Q.P., Wernham, C., Riley, H., Etheridge, B., Thompson, D. (2013). *Raptors: A field guide for surveys and monitoring* (3rd Edition). The Stationery Office Edinburgh.

Holt, C., Austin, G., Calbrade, N., Mellan, H., Hearn, R., Stroud, D. Wotton, S. & Musgrove, A. 2012. *Waterbirds in the UK 2010/11 The Wetland Bird Survey*. British Trust for Ornithology, Royal Society for the Protection of Birds and Joint Nature Conservation Committee in association with Wildfowl & Wetlands Trust.

Hötter, H., Thomsen, K.-M. & H. Jeromin (2006): Impacts on biodiversity of exploitation of renewable energy sources: the example of birds and bats - facts, gaps in knowledge, demands for further research, and ornithological guidelines for the development of renewable energy exploitation. Michael-Otto-Institut im NABU, Bergenhusen.

International Wader Study Group (2020). European Golden Plover Survey. Online at <https://www.waderstudygroup.org/news/european-golden-plover-survey-2020/> [accessed June 2021]

Irish Statute Book (2011). The European Communities (Birds and Natural Habitats) Regulations 2011, as amended (S.I. no. 477 of 2011).

Irish Statute Book (2001). The European Communities (Noise Emission By Equipment For Use Outdoors) Regulations, 2001, as amended (S.I. no. 632 of 2001)

Irish Statute Book (2000). *Planning and Development Acts 2000 to 2019*. Stationery Office, Dublin.

IWEA (2012). Best practice guidelines for the Irish wind energy industry. Irish Wind Energy Association.

I-WeBS (2019). Irish Wetland Bird Survey: Results of Waterbird Monitoring in Ireland in 2015/16 to 2019/20.

I-WeBS species accounts. Online at <https://c0amf055.caspio.com/dp/f4db30005dbe20614b404564be88> [accessed June 2021]

- JNCC (2021). Black-headed gull survey species account. Online at <https://jncc.gov.uk/our-work/black-headed-gull-chroicocephalus-ridibundus/#annual-abundance-and-productivity-by-geographical-area-republic-of-ireland> [accessed June 2021]
- Johnson et al. (2014). Modelling flight heights of marine birds to more accurately assess collision risk with offshore wind turbines.
- Kenward et al. (2000). The prevalence of non-breeders in raptor populations: evidence from rings, radio-tags and transect surveys.
- Lack (1986). The atlas of wintering birds in Britain and Ireland.
- Langston, R.H.W. and Pullan, J.D. (2003). Windfarms and Birds: an Analysis of the Effects of Wind Farms on Birds, and Guidance on Environmental Assessment Criteria and Site Selection Issues. Report T-PVS/Inf. 2003. 12, by BirdLife International to the Council of Europe, Bern Convention on the Conservation of European Wildlife and Natural Habitats. RSPB/BirdLife in the UK.
- Lewis et al. (2019). Irish Wetland Bird Survey: Waterbird Status and Distribution 2009/10–2015/16.
- Madders and Whitfield (2006). Upland raptors and the assessment of wind farm impacts.
- McGuinness et al. (2015). Bird Sensitivity Mapping for Wind Energy Developments and Associated Infrastructure in the Republic of Ireland.
- Midland Regional Authority (2010). Regional Planning Guidelines for the Midland Region 2010-2022.
- National Biodiversity Data Centre (NBDC) website <http://maps.biodiversityireland.ie/#/Map> [accessed June 2021]
- National Parks and Wildlife Service (NPWS) (2017). National Biodiversity Action Plan 2017-2021.
- National Parks and Wildlife Service (NPWS) website www.npws.ie [accessed June 2021].
- National Roads Authority (NRA) (2009). Guidelines for Assessment of Ecological Impacts of National Road Schemes.
- NatureScot (2022). Disturbance Distances Review: An updated literature review of disturbance distances of selected bird species
- O'Brien, M. and Smith, K. W. (1992) Changes in the status of waders breeding on wet lowland grasslands in England and Wales between 1982 and 1989, *Bird Study*, 39:3, 165-176.
- O'Donoghue (2020). Hen Harrier *Circus cyaneus* ecology and conservation during the non-breeding season in Ireland.
- Peach et al. (1994). Annual and long-term variation in the survival rates of British lapwings *Vanellus vanellus*.
- Pearce-Higgins, J.W., Stephen, L., Langston, R.H.W., Bainbridge, I.P. and Bullman, R. (2009). The Distribution of Breeding Birds Around Upland Wind Farms. *Journal of Applied Ecology* 46, 1323-1331.
- Percival, S. (2005). Birds and Windfarms: What are the Real Issues? *British Birds* 98, 194-204.
- Percival, S.M. (2003). Birds and wind farms in Ireland: A review of potential issues and impact assessment. Ecological Consulting.
- Ramsar Convention (1971). The International Convention on Wetlands of International Importance.

- Rees, E. C. (2012). Impacts of wind farms on swans and geese: a review. *Wildfowl* (2012) 62: 37–72. Wildfowl & Wetlands Trust.
- Ruddock, M. and Whitfield, D.P. (2007). A Review of Disturbance Distances in Selected Bird Species. A Report from Natural Research (Projects) Ltd to Scottish Natural Heritage.
- Scottish Natural Heritage (SNH) (2018a) Avoidance rates for the onshore SNH wind farm collision risk model.
- Scottish Natural Heritage (SNH) (2018b). Assessing the Cumulative Impact of Onshore Wind Energy Developments.
- Scottish Natural Heritage (SNH) (2018c). Assessing significance of impacts from onshore wind farms outwith designated areas.
- Scottish Natural Heritage (SNH) (2017). Recommended Bird Survey Methods to Inform Impact Assessment of Onshore Wind Farms. Version 2.
- Scottish Natural Heritage (SNH) (2016). Assessing Connectivity with Special Protection Areas (SPAs).
- Scottish Natural Heritage (2014) Recommended bird survey methods to inform impact assessment of onshore wind farms.
- Scottish Natural Heritage (2012) Assessing the Cumulative Impacts of onshore Wind Energy Developments.
- Scottish Natural Heritage (2009) Guidance on Methods for Monitoring Bird Populations at Onshore Wind Farms.
- Scottish Natural Heritage (2006). Assessing Significance of Impacts from Onshore Windfarms on Birds Outwith Designated Areas.
- Scottish Natural Heritage (SNH) (2000). Wind farms and birds: calculating a theoretical collision risk assuming no avoidance action.
- Sharrock (1976). The atlas of wintering birds in Britain and Ireland.
- Thaxter et al. (2017). Bird and bat species' global vulnerability to collision mortality at wind farms revealed through a trait-based assessment.
- Whitfield, D.P., Green, M. and Fielding, A.H. (2010). Are Breeding Eurasian Curlew *Numenius Arquata* Displaced by Wind Energy Developments? Natural Research Projects Ltd, Banchory, Scotland.
- Wilson-Parr, R. & O'Brien, I. (Eds) (2019) Irish Raptor Study Group Annual Review 2018.
- Winkelman, J.E. (1992a) The impact of the Sep wind park near Oosterbierum (Fr.), the Netherlands, on birds. RIN-rapport 92/2. DLO-Instituut voor Bos-en Natuuronderzoek, Arnhem, The Netherlands.
- Wind Energy Ireland (WEI) website. <https://windenergyireland.com/about-wind/interactive-map> [accessed June 2021]
- WWT (2020). Greenland white-fronted goose study report. Online at <https://monitoring.wwt.org.uk/wp-content/uploads/2020/12/Greenland-White-fronted-Goose-Study-report-2019-20.pdf> [accessed June 2021]

Land, Soils and Geology

British Standards Institution (BSI). (2009) BS6031:1981 - Code of Practice for Earthworks.

Department of Housing, Planning and local Government, 2018: Guidelines for Planning Authorities and An Bord Pleanála on carrying out Environmental Impact Assessment.

Environmental Protection Agency (2022): Guidelines on the Information to be contained in Environmental Impact Assessment Reports.

EPA (2003), Towards Setting Guideline Values for the Protection of Groundwater in Ireland

European Union, 2017: Guidance on the preparation of the EIA Report (Directive 2011/92/EU as amended by 2014/52/EU).

Fehily Timoney (FT) (2023). Geotechnical & Peat Stability Report - Glenora Wind Farm, County Mayo, December 2023.

Fehily Timoney (FT) (2023). Peat and Spoil Management Plan - Glenora Wind Farm, County Mayo, December 2023.

Geological Survey of Ireland (GSI). (2023) website: <http://www.gsi.ie>

Institute of Geologists Ireland (2013): Guidelines for Preparation of Soils, Geology & Hydrogeology Chapters in Environmental Impact Statements.

National Roads Authority (2009): Guidelines on Procedures for Assessment and Treatment of Geology,

MacCulloch, F., 2006. Guidelines for the risk management of peat slips on the construction of low volume/low cost roads over peat. The ROADEX II Project, p.46.

Scottish Natural Heritage report (SNH) Research and Guidance on Restoration and Decommissioning of Onshore Wind Farms (SNH, 2013).

Scottish Executive (2017) Peat Landslide Hazard and Risk Assessments: Best Practice Guide for Proposed Electricity Generation Developments, 2nd Edition.

Skempton, A.W. and DeLory, F.A., 1957. Stability of natural slopes in London clay. *Thomas Telford Publishing, London, UK, 15*, pp.378-381.

Hydrology and Hydrogeology

- BES (2013). Oweninny Power Ltd. Natura Impact Statement. Prepared by Biosphere Environmental Services, June 2013.
- Cawley, A.M., and Cunnane, C. (2003). Comment on Estimation of Greenfield Runoff Rates. Proc. IHP National Hydrology Seminar, Tullamore, Ireland. Accessible from: https://hydrologyireland.ie/wp-content/uploads/2020/12/2-Comment-on-Estimation-of-Greenfield-Runoff-Rates-E_Cawley-Cunnane.pdf
- Daniels, S.M., Evans, M.G., Agnew, C.T., and T.E.H. Allott (2012). Ammonium release from a blanket peatland into headwater stream systems. *Environmental Pollution*, Volume 163, April 2012, Pages 261-272.
- DELG/EPA/GSI (1999). Groundwater Protection Schemes. Department of the Environment and Local Government, Environmental Protection Agency and Geological Survey of Ireland. January 1999. Accessible from: <https://www.gsi.ie/en-ie/publications/Pages/Groundwater-Protection-Schemes.aspx>
- DEHLG/OPW (2009). The Planning System and Flood Risk Management. Guidelines for Planning Authorities. November 2009. Accessible from: <https://www.opr.ie/wp-content/uploads/2019/08/2009-Planning-System-Flood-Risk-Mgmt-1.pdf>
- DHLGH (2021). River Basin Management Plan 2018 – 2021. Department of Housing, Local Government and Heritage. Updated April 2021. Accessible from: <https://www.gov.ie/en/publication/429a79-river-basin-management-plan-2018-2021/>
- ESBI (2015). Oweninny Wind Farm Development. Oweninny Power Limited (OPL) Response to An Bord Pleanála Further Information Request. Assessment of Alternative Option Phase 1 and Phase 2 only. Document No.: QS-000169-02-R460-003. Prepared by ESB International, October 2015.
- FT (2022). Geotechnical and Peat Stability Report. Sheshkin South Wind Farm. Prepared by Fehily Timoney for MKO Ireland. July 2022.
- Gill, M. (2020). Bord na Móna: Peatland Hydrology Study at 4 BnM Bogs. Draft Report. May 2020.
- Gleeson, E., McGrath, R., and Treanor, M. (2013). Ireland's climate: the road ahead. Dublin: Met Éireann.
- Holden, J. (2009). Upland hydrology. In 'Drivers of Environmental Change in Uplands.' Eds., A. Bonn, T. Allott, K. Hubacek & A.J.A. Stewart. Routledge, London.
- Holden, J., Chapman, P.J. and Labadz, J.C., (2004). Artificial drainage of peatlands: hydrological and hydrochemical process and wetland restoration. *Progress in Physical Geography* 28(1): 95–123.
- IDL (2022). Site Investigation Contract Factual Report. Prepared for MKO Ireland by Irish Drilling Ltd. April 2022.
- IFI (2016). Guidelines on Protection of Fisheries During Construction Works in and Adjacent to Waters. Inland Fisheries Ireland. Accessible from: <https://www.fisheriesireland.ie/media/guidelines-on-protection-of-fisheries-during-construction-works-in-and-adjacent-to-waters>
- LAWPRO (2020). Carrowmore Lake Priority Area for Action – Deskstudy Summary. Accessible from: <https://catchments.ie/wp-content/files/areaforactionreports/AFA0042%20Carrowmore%20Lake%20AFA%20Report.pdf>

LAWPRO/EPA (2022). An Overview of Catchment Science and Management. A Guidance Handbook, Volumes 2 and 3. Local Authority Waters Programme and Catchment Science and Management Unit, Environmental Protection Agency.

Moe, H., Craig, C., and d. Daly (2010). Poorly Productive Aquifers. Monitoring Installations and Conceptual Understanding. July 2010. Accessible from: <https://www.epa.ie/publications/monitoring-assessment/freshwater-marine/EPA-Poorly-Productive-Aquifers-Summary-Report.pdf>

NPWS (2017). Carrowmore Lake Complex SAC (site code 000476). Conservation objectives supporting document - blanket bogs and associated habitats. Version 1. May 2017. National Parks and Wildlife Service. Accessible from:

[https://www.npws.ie/sites/default/files/publications/pdf/Carrowmore%20Lake%20Complex%20SAC%20\(000476\)%20Conservation%20objectives%20supporting%20document%20-%20blanket%20bogs%20and%20associated%20habitats%20\[Version%201\].pdf](https://www.npws.ie/sites/default/files/publications/pdf/Carrowmore%20Lake%20Complex%20SAC%20(000476)%20Conservation%20objectives%20supporting%20document%20-%20blanket%20bogs%20and%20associated%20habitats%20[Version%201].pdf)

NPWS (2015). National Peatland Strategy. National Parks & Wildlife Service. Accessible from: <https://www.npws.ie/sites/default/files/publications/pdf/NationalPeatlandsStrategy2015EnglishVers.pdf>

Price, J.S., Heathwaite, A.L. and Baird, A.J. (2003). Hydrological processes in abandoned and restored peatlands: an overview of management approaches. *Wetlands, ecology and management* 11, 65-83.

Ramchunder, S.J., Brown, L.E., & Holden, J. (2009). Environmental effects of drainage, drain-blocking and prescribed vegetation burning in UK upland peatlands. *Progress in Physical Geography*, 33, 49-79.

Rezanezhad, F., Price, J.S., Quinton, W.L., Lennartz, B., Milojevic, T., van Cappellen, P. (2016). Structure of peat soils and implications for water storage, flow and solute transport: A review update for geochemists. *Chemical Geology*, Volume 429, 1 July 2016, Pages 75-84.

Regan, S., Flynn, R., Gill, L., Naughton, O., and P. Johnston (2019). Impacts of Groundwater Drainage on Peatland Subsidence and Its Ecological Implications on an Atlantic Raised Bog. *Water Resources Research*, V.55, Issue 7, pp 6153-6168. Accessible from: <https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2019WR024937>

Siegel, D.I., Glaser, P. (2006). The Hydrology of Peatlands. In: Wieder, R.K., Vitt, D.H. (eds) *Boreal Peatland Ecosystems*. Ecological Studies, vol 188. Springer, Berlin, Heidelberg . https://doi.org/10.1007/978-3-540-31913-9_1.

Air Quality

Council of the European Union (2008) Council Directive 2008/50/EC on ambient air quality and cleaner air for Europe. Official Journal of the European Union No. L152.

Council of the European Union (2004) Council Directive (2004/107/EC) relating to arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air. Official Journal of the European Union No. L23/3.

Council of the European Union (2002) Council Directive (2002/3/EC) relating to ozone in ambient air. Official Journal of the European Union No. L67/14.

Council of the European Union (2000) Council Directive 2000/69/EC relating to limit values for benzene and carbon monoxide in ambient air. Official Journal of the European Union No. L313.

Council of the European Union (1999) Council Directive 1999/30/EC relating to limit values for sulphur dioxide, nitrogen dioxide and oxides of nitrogen, particulate matter and lead in ambient air. Official Journal of the European Union No. L163/41.

Department of Housing, Planning and Local Government (2018). Guidelines for Planning Authorities and An Bord Pleanála on Carrying Out Environmental Impact Assessment.

European Commission 2017. Environmental Impact Assessment of Projects: Guidance on the preparation of the Environmental Impact Assessment Report.

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

Environmental Protection Agency (2022) Air Quality in Ireland 2021. EPA, Ireland.

European Environment Agency (2021) Air Quality in Europe - 2021 Report. EEA.

European Union (2014). Directive 2014/52/EU. European Parliament and European Council.

European Union (2011). Directive 2011/92/EU. European Parliament and European Council.

European Union (2009). Directive 2009/147/EC. European Parliament and European Council.

European Union (1992). Directive 92/43/EEC. European Parliament and European Council.

European Union (2017) Guidance on Scoping (Directive 2011/92/EU as amended by 2014/52/EU).

European Union (2017) Guidance on Screening (Directive 2011/92/EU as amended by 2014/52/EU).

European Union (2017) Guidance on the preparation of the EIA Report (Directive 2011/92/EU as amended by 2014/52/EU).

Government of Ireland (1999) Environmental Protection Agency Act 1992 (Ambient Air Quality Assessment and Management) Regulations 1999.

Government of Ireland (2011) Air Quality Standards Regulations 2011 (S.I. No. 180 of 2011) as amended by the Air Quality Standards (Amendments).

Government of Ireland (2016) Arsenic, Cadmium, Mercury, Nickel and Polycyclic Aromatic Hydrocarbons in Ambient Air Regulations, 2016 (S.I. 659 2016).

Government of Ireland (2004) Ozone in Ambient Air Regulations 2004 (S.I. No. 53 of 2004)

Government of Ireland (2002) Air Quality Standards Regulations 2002 (S.I. No. 271 of 2002).

Government of Ireland (1999) Ambient Air Quality Assessment and Management Regulations 1999 (S.I. No. 33 of 1999).

IAQM 2016. Guidance on the Assessment of Dust from Demolition and Construction V1.1

Met Éireann www.met.ie

TII 2011. Guidelines for the Treatment of Air Quality During the Planning and Construction of National Road Schemes

TII 2009. Guidelines for Assessment of Ecological Impacts of National Roads Schemes

UK Department of Environment, Food and Rural Affairs 2018. Part IV of the Environment Act 1995: Local Air Quality Management, LAQM.TG (16)

UK Highways Agency (2019) Design Manual for Roads and Bridges (DMRB) – LA 105 Air Quality

World Health Organisation 2005. Air Quality Guidelines for Particulate Matter, Ozone, Nitrogen Dioxide and Sulfur Dioxide Global Update 2005

Climate

Burck et al., (2020) Results 2020. Climate Change Performance Index. New Climate Institute, Bonn.

Climate Action Network Europe (2018). Off Target Report, Brussels.

Climate Change Performance Index (CCPI) (2020) 2021 Results: Climate Mitigation Efforts of 57 Countries plus the EU. Covering 90% of the Global Greenhouse Gas Emissions. www.ccpi.org

Department of Communications, Climate Action and Environment (2021). Climate Action and Low Carbon Development (Amendment) Act 2021.

Department of Communications, Climate Action and Environment (2021) Climate Action Plan (CAP).

Department of Communications, Climate Action and Environment (2018). Sustainable Development Goals National Implementation Plan 2018-2020.

Department of Communications, Climate Action and Environment (2015). Climate Action and Low Carbon Development Act 2015.

Department of Environment, Climate and Communications (2022). Climate Action Plan 2023.

Department of Environment, Climate and Communications (May 2022). Draft of the Second National Implementation Plan for the SDG Goals 2022-2024.

Department of the Environment, Heritage and Local Government (2004) Quarries and Ancillary Activities, Guidelines for Planning Authorities. Stationery Office, Dublin.

Department of the Environment, Heritage and Local Government (2007) National Climate Change Strategy 2007 – 2012. Stationery Office, Dublin.

Department of the Environment, Heritage and Local Government (2006). Wind Energy Development Guidelines for Planning Authorities (Revised). Stationery Office, Dublin.

Department of Climate Change, Action & Environment. Renewable Energy Action Plan (NREA) Submitted under Article 4 of Directive 2009/28/EC.

Department of Climate Change, Action & Environment National Energy Efficiency Action Plan (NEEAP).

Department of the Taoiseach (2020). Programme for Government: Our Shared Future.

Doddy Clarke, E, Sweeney, C, McDermott, F, et al. Climate change impacts on wind energy generation in Ireland. Wind Energy. 2021; 1- 13. DOI: 10.1002/we.2673

Edenhofer et al., (2011) Renewable Energy Sources and Climate Change Mitigation: Summary for Policy makers and Technical Summary. Technical Support Unit Working Group III Potsdam Institute for Climate Impact Research (PIK) Published for the IPCC. www.ipcc.ch

Environmental Protection Agency (June 2022) Ireland's Greenhouse Gas Emissions Projections 2021-2040. EPA, Ireland.

Environmental Protection Agency (2018). Network Monitoring Rewetted and Restored Peatlands/organic Soils for Climate and Biodiversity Benefits (NEROS), EPA Research Programme 2014-2020, P23, Table 5.2.

Environmental Protection Agency (2019b) Ireland's Greenhouse Gas Emissions Projections.

Environmental Protection Agency (2020a) Ireland's Greenhouse Gas 1990-2018 Final Inventory

Environmental Protection Agency (2020b) Ireland's National Inventory Report 2020 - Greenhouse Gas Emissions 1990-2018

European Commission, Directorate-General for Environment, *Guidance on integrating climate change and biodiversity into environmental impact assessment*, Publications Office, 2013, <<https://data.europa.eu/doi/10.2779/11735>>

European Commission (2022) COP27 Climate Change Conference. Available at: <https://cop27.eg/#/>

European Commission (2021) COP26 Climate Change Conference. Available at: <https://ukcop26.org/>

European Commission (2019) COP25 Climate Change Conference. Available at: https://ec.europa.eu/clima/events/cop25-climate-change-conference_en

European Commission (2019) European Green Deal – European Climate Law, 2021.

European Commission (2015). COP21 Paris Agreement. Available at: https://ec.europa.eu/clima/policies/international/negotiations/paris_en

European Commission (2010) Europe 2020 Strategy A European strategy for smart, sustainable and inclusive growth. Brussels.

EU (2014) 2030 Climate and Energy Policy Framework

IEA (2020), *Power Systems in Transition*, IEA, Paris <https://www.iea.org/reports/power-systems-in-transition>, License: CC BY 4.0

IEMA (2010) Climate Change Mitigation & EIA. Available at: <<https://www.iema.net/document-download/33006>>

IEMA (2020) Climate Resilience and Adaptation Guidance, Available at: <<https://www.iema.net/download-document/237186>>

IEMA (2021) Net Zero explained. Available at: <<https://s3.eu-west-2.amazonaws.com/iema.net/documents/knowledge/policy/climate-change-energy/Net-Zero-Explained-Oct-2021-4.pdf>>

IEMA (2022) Environmental Impact Assessment Guide to: Assessing Greenhouse Gas Emissions and Evaluating their Significance. Available at: <<https://infrastructure.planninginspectorate.gov.uk/wp-content/uploads/projects/TR010056/TR010056-001649-Climate%20Emergency%20Planning%20and%20Policy%20-%20Appendix%20A%20-%20IEMA%20Guide-%20Assessing%20Greenhouse%20Gas%20Emissions%20and%20Evaluating%20their%20Significance,%20Version%20,%20Feb%202022.pdf>>

IPCC, 2010. Guidance Note for Lead Authors of the IPCC Fifth Assessment Report on Consistent Treatment of Uncertainties, <https://www.ipcc.ch/site/assets/uploads/2017/08/AR5_Uncertainty_Guidance_Note.pdf – Accessed April 2021>

IPCC (Intergovernmental Panel on Climate Change), 2014. Climate Change 2014: Impacts, Adaptation and Vulnerability. IPCC, Geneva, Switzerland.

Independent Group of Scientists appointed by the Secretary-General, Global Sustainable Development Report 2019: The Future is Now – Science for Achieving Sustainable Development, (United Nations, New York, 2019).

Independent Group of Scientists appointed by the Secretary-General, Global Sustainable Development Report 2023: Times of crisis, times of change: Science for accelerating transformations to sustainable development, (United Nations, New York, 2023).

Intergovernmental Panel on Climate Change (IPCC) (2021) Sixth Assessment Report - Climate Change 2021: The Physical Science Basis. www.ipcc.ch

Karen Deignan, Aideen O’Hora, Orlaith Delargy, Laura Heuston and Conor Morrow, Climate Change Adaptation: Risks and Opportunities for Irish Businesses (2019-CCRP-DS.24). Prepared for the EPA by SustainabilityWorks Ltd.

Met Éireann www.met.ie

Scottish Government (2008). Calculating Carbon Savings from Wind Farms on Scottish Peat Lands.

Sustainable Energy Authority Ireland (SEAI) Energy in Ireland 2021 Report. December 2021. <https://www.seai.ie/publications/Energy-in-Ireland-2021_Final.pdf>

Sustainable Energy Authority Ireland (SEAI) Energy in Ireland 2022 Report. December 2022. <<https://www.seai.ie/publications/Energy-in-Ireland-2022.pdf>>

TII Air Quality Assessment of Proposed National Roads – Standard PE-ENV-01107. December 2022. (TII 2022a) <<https://www.tiipublications.ie/library/PE-ENV-01107-01.pdf>>

TII Climate Assessment of Proposed National Roads – Standard PE-ENV-01105. December 2022 (TII 2022b) <<https://www.tiipublications.ie/library/PE-ENV-01105-01.pdf>>

TII Climate Guidance for National Roads, Light Rail, and Rural Cycleways (Offline & Greenways) - Overarching Technical Document – Overarching Technical Document PE-ENV-01104. December 2022 (TII 2022c) <<https://www.tiipublications.ie/library/PE-ENV-01104-01.pdf>>

TII Carbon Tool for Road and Light Rail Projects: User Guidance Document. GE-ENV-01106. December 2022. (TII, 2022d) <<https://www.tiipublications.ie/library/GE-ENV-01106-01.pdf>>

TII Carbon Tool for Road and Light Rail Projects: User Guidance Document. GE-ENV-01106. December 2022. <<https://www.tiipublications.ie/library/GE-ENV-01106-01.pdf>>

TII (2020) TII Carbon Assessment Tool (Version 2).

UNFCCC (1997) Kyoto Protocol to the United Nations Framework Convention on Climate Change adopted at COP3 in Kyoto, Japan, on 11 December 1997

UNFCCC (2012) Doha Climate Change Conference United Nations Framework Convention on Climate Change

United Nations (2022). The Sustainable Development Goals Report 2022.

United Nations (2021). COP26 Climate Change Conference, Glasgow.

United Nations (2015) Transforming our World: the 2030 Agenda for Sustainable Development. Available at: <https://sustainabledevelopment.un.org/sdgs>

United Nations (2012). Doha Amendment to the Kyoto Protocol. United Nations Framework Convention on Climate Change.



United Nations (1998). Kyoto Protocol to the United Nations Framework Convention on Climate Change. United Nations Framework Convention on Climate Change, Bonn.

Wiser, R., Z. Yang, M. Hand, O. Hohmeyer, D. Infield, P. H. Jensen, V. Nikolaev, M. O'Malley, G. Sinden, A. Zervos, 2011: Wind Energy. In IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation [O. Edenhofer, R. Pichs-Madruga, Y. Sokona, K. Seyboth, P. Matschoss, S. Kadner, T. Zwickel, P. Eickemeier, G. Hansen, S. Schlömer, C. von Stechow (eds)], Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.

Noise and Vibration

BSI (2008). BS 5228-1:2009+A1:2014. Code of practice for noise and vibration control on construction and open sites.

WEDG (2006). Department of Environment, Heritage and Local Government (DoEHLG). <https://www.gov.ie/en/publication/f449e-wind-energy-development-guidelines-2006/>. Wind Energy Development Guidelines. [Online] 2006.

IOA (2013). A Good Practice Guide to the Application of ETSU-R-97 for the Assessment and Rating of Wind Turbine Noise'. UK: Institute of Acoustics.

ISO (1996). ISO 9613-2:1996 Acoustics – Attenuation of Sound during Propagation Outdoors: Part 2 – General Method of Calculation. Geneva: International Organization for Standardisation.

The Working Group on Noise from Wind Turbines (NWG) (1996). ETSU-R-97 'The Assessment and Rating of Noise from Wind Farms'. UK: Energy Technology Support Unit

OEE), Environmental Protection Agency Office of Environmental Enforcement. Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4). [https://www.epa.ie/publications/monitoring-assessment/noise/NG4-Guidance-Note-\(January-2016-Update\).pdf](https://www.epa.ie/publications/monitoring-assessment/noise/NG4-Guidance-Note-(January-2016-Update).pdf). [Online] 01 2016. [Cited: 01 02 2022.]

British Standard BS 5228-2: 2009+A1:2014 'Code of practice for noise and vibration control on construction and open sites' – Part 2: Vibration

Archaeological and Cultural Heritage

Aalen, F.H.A. *et al.*, 1997, *Atlas of the Irish Rural Landscape*. Cork University Press, Cork.

Architectural Heritage Guidelines for Planning Authorities (2011)

Department of Arts, Heritage, Gaeltacht and the Islands, 1999, *Framework and Principles for the Protection of the Archaeological Heritage*, 1999.

Guidelines on the information to be contained in Environmental Impact Statements, EPA 2022.

Guidance on Setting and the Historic Environment, Historic Environment Division, February 2018.

Other Sources

Sites and Monuments Record, Co. Mayo

Record of Monuments and Places, Co. Mayo

1st and 2nd Edition 6 inch OS maps

www.webgis.archaeology.ie/historicenvironment

www.excavations.ie

www.buildingsofireland.ie

www.logainm.ie

Landscape and Visual

Wind Energy Development Guidelines for Planning Authorities (Department of the Environment, Heritage and Local Government, 2006)

Draft Revised Wind Energy Development Guidelines (Department of Planning, Housing and Local Government, 2019).

Landscape Institute and IEMA (2013). The Guidelines for Landscape and Visual Impact Assessment 3rd Editio.

Visual Assessment of Wind Farms: Best Practice (Scottish Natural Heritage, 2002).

Visual Representation of Wind Farms: Version 2.2 (Scottish Natural Heritage, 2017).

Siting and Designing Wind Farms in the Landscape, Version 3a (Scottish Natural Heritage, 2017).

Assessing the Cumulative Impact of Onshore Wind Energy Developments. (Scottish Natural Heritage, 2012; & Nature Scot, 2021).

Photography and photomontage in landscape and visual impact assessment (Landscape Institute Advice Note 01/11, 2011)

Visual Representation of Development Proposals (Landscape Institute Technical Guidance Note 06/19, 2019)

Spatial Planning for Onshore Wind Turbines – natural heritage considerations (Scottish Natural Heritage, 2015).

Mayo County Council (2022). Mayo County Development Plan 2022-2028

Material Assets

Department of Housing, Planning and Local Government (August 2018) Guidelines for Planning Authorities and An Bord Pleanála on Carrying out Environmental Impact Assessment. DHPLG, Dublin.

Department of Housing, Planning and Local Government (December 2019) Draft Revised Wind Energy Development Guidelines. DHPLG, Dublin.

Department of Housing, Planning and Local Government (June 2017) Review of the Wind Energy Development Guidelines 2006 – Preferred Draft Approach. DHPLG, Dublin.

Department of the Environment, Community and Local Government (2013). Guidelines for Planning Authorities and An Bord Pleanála on carrying out Environmental Impact Assessment. DoEHLG, Dublin.

Department of the Environment, Heritage and Local Government (2006). Wind Energy Development Guidelines for Planning Authorities. DoEHLG, Dublin.

Department of Transport, Tourism and Sport. (2019). Traffic Signs Manual, Section 8 – Temporary Traffic Measures and Signs for Road Works

Department of Transport, Tourism and Sport (2010) Guidance for the Control and Management of Traffic at Roadworks.

European Commission (2017): *Environmental Impact Assessment of Projects – Guidance on the preparation of the Environmental Impact Assessment Report*;

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

Environmental Protection Agency. Corine Land Cover Maps.

Irish Wind Energy Association (2012) Best Practice Guidelines for the Irish Wind Energy Industry.

National Roads Authority (2007). Traffic and Transport Assessment Guidelines. NRA, Dublin.

National Roads Authority (2011) NRA TD 41-42/11 Geometric Design of Major/Minor Priority Junctions and Vehicular Access to National Roads. NRA, Dublin.

National Roads Authority (2011) Project Appraisal Guidelines, Unit 5.5 Link Based Traffic Growth Forecasting. NRA, Dublin.

TII (May 2019) Project Appraisal Guidelines, Unit 5.3, Travel Demand Projections PE-PAG-02017. Transport Infrastructure Ireland.

TII (April 2017) DN-GEO-03060, Geometric Design of junctions. Transport Infrastructure Ireland.

TII (April 2017) DN-GEO-03031, Rural Road Link Design. Transport Infrastructure Ireland.

TII (2013) The Design Manual for Roads and Bridges (‘DMRB’), Transport Infrastructure Ireland.

TII (May 2014) Traffic and Transport Assessment Guidelines PE-PDV-02045. Transport Infrastructure Ireland.

TII Automatic Traffic Count Data (on the M6).

Major Accidents and Natural Disasters

Central Statistics Office Ireland. Census of Ireland.

Department of Defence (2020). A National Risk Assessment for Ireland.

Department of Environment, Heritage and Local Government (2010). A Guide to Risk Assessment in Major Emergency Management.

Department of the Environment, Heritage and Local Government, 2006. Wind Energy Development Guidelines for Planning Authorities

Environmental Protection Agency (May 2022): Guidelines on the Information to be Contained in Environmental Impact Assessment Reports. EPA, Wexford.

Environmental Protection Agency (2014). Guidance on Assessing and Costing Environmental Liabilities.

European Commission (2017). Environmental Impact Assessment of Projects: Guidance on the preparation of the Environmental Impact Assessment Report.

European Union (2014). Directive 2014/52/EU. European Parliament and European Council.

European Union (2011). Directive 2011/92/EU. European Parliament and European Council.

Fáilte Ireland. Available at <https://www.failteireland.ie/>

Fehily Timoney (2023) Peat Stability Assessment Report for Glenora Wind Farm.

Health and Safety Authority (2013) Guidelines on the Procurement, Design and Management Requirements of the Safety, Health and Welfare at Work (Construction) Regulations 2013

HSE Emergency Management Area 2 Crisis Management Team (2022) Major Emergency Plan: Covering Geographical Areas of Counties Galway, Mayo and Roscommon

Irish National Seismic Network. Available at <https://www.insn.ie/>

Irish Statute Book (2005). Safety, Health and Welfare at Work Act 2005 (S.I. No. 10 of 2005).

Mayo County Council (2022) Mayo County Development Plan 2022-2028.

Mayo County Council website <https://www.mayo.ie/>

Northern and Western Regional Assembly (2020). Regional Spatial and Economic Strategy 2020-2032.