

BIBLIOGRAPHY

Introduction

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

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

EirGrid (2019) All Island Generation Capacity Statement 2019 – 2028, Dublin.

Environmental Protection Agency (August 2017): Draft Guidelines on the Information to be Contained in Environmental Impact Assessment Reports. EPA, Wexford.

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.

Environmental Protection Agency (2002) Guidelines on Information to be Contained in Environmental Impact Statements. EPA, Wexford.

European Commission (2017). Report from the Commission to the European Parliament and the 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.

Pőyry (2014) The Value of Wind Energy to Ireland A report to Irish Wind Energy Association. Cambridge Economics.



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 2019. Stationery Office, Dublin.

Irish Wind Energy Association (2015) Data Centre Implications for Energy Use in Ireland' IWEA

Sustainable Energy Authority of Ireland (2020a) Energy in Ireland – 2020 Report, SEAI, December 2020

Sustainable Energy Authority of Ireland (2020b) Tracking effect of COVID-19 on energy supply and demand, SEAI May 2020

Westmeath County Council. Westmeath County Development Pan 2014-2020 (as extended) (as varied). Westmeath.

Westmeath County Council. Westmeath Draft County Development Plan 2021-2027. Westmeath

Background to the Proposed Development

Council of the European Union (2014). 2030 Climate and Energy Policy Framework, Brussels.

Council of the European Union (2009). Directive on the Promotion of the Use of Energy from Renewable Sources (Directive 2009/28/EC), Brussels.

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

Climate Change Advisory Council (2019). Annual Review 2019, ISBN: 978-1-84095-848-5 Eurostat- https://ec.europa.eu/eurostat/documents/2995521/10335438/8-23012020-AP-EN.pdf/292cf2e5-8870-4525-7ad7-188864ba0c29

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

Department of Climate Change, Action & Environment (2019). Climate Action Plan 2019

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 Climate Change, Action & Environment (2014). National Policy Position on Climate Action and Low Carbon Development.



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

Department of Climate Change, Action & Environment (2012). National Climate Change Adaptation Framework.

Department for Communications, Marine and Natural Resources (2007). Delivering a Sustainable Energy Future for Ireland: The Energy Policy Framework 2007 – 2020.

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 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 Climate Change, Action & Environment. Renewable Energy Support Scheme Department of Agriculture, Food and Marine. Forest Service Guidelines.

Eastern and Midland Regional Assembly (2019). Regional Spatial and Economic Strategy 2019-2031 Westmeath County Development Plan 2014-2020

EirGrid (2019) All Island Generation Capacity Statement 2019 - 2028, Dublin.

Environmental Protection Agency (2019). Irish Climate Futures: Data for Decision-making

Environmental Protection Agency (2008). Climate Change - Refining the Impacts for Ireland

European Commission (2010). Europe 2020 Strategy.

European Commission (2017). Report from the Commission to the European Parliament and the Council.

European Economic and Social Committee and the Committee of the Regions, Brussels.

Environmental Protection Agency (2019). Ireland's Greenhouse Gas Emission Projections 2018-2040.

Government of Ireland (2000). Strategy for Intensifying Wind Energy Development', Department of Communications, Energy and Natural Resources, ISBN 0-7076-9225-3

Government of Ireland (2018). Project Ireland 2040 National Planning Framework

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

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



Irish Wind Energy Association (2013). Best Practice Principles in Community Engagement and Community Commitment 2013.

Irish Wind Energy Association (2018). IWEA Community Engagement Strategy 2018

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

Sustainable Energy Authority of Ireland (2020a) Energy in Ireland – 2020 Report, SEAI, December 2020

Sustainable Energy Authority of Ireland (2020b) Tracking effect of COVID-19 on energy supply and demand, SEAI May 2020

Sustainable Energy Authority of Ireland (2019), National Energy Projections

Sustainable Energy Authority of Ireland (2019), Energy in Ireland 2019 Report.

Sustainable Energy Authority of Ireland (2017), Energy in Ireland 1990 – 2016

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 (2019). COP25 Climate Change Conference, Madrid.

Westmeath County Council. Westmeath County Development Pan 2014-2020 (as extended) (as varied). Westmeath.

Westmeath County Council. Westmeath Draft County Development Plan 2021-2027. Westmeath

Consideration of Reasonable Alternatives

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

EirGrid. Grid 25 Strategy, A Strategy for the Development of Ireland's Electricity Grid for a Sustainable and Competitive Future. Dublin

Environmental Protection Agency (2017): Draft 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).

Sustainable Energy Authority of Ireland (April 2013) Methodology for Local Authority Renewable Energy Strategies. RPS, Ireland.

Description of the Proposed Development

California Stormwater Quality Association (2003). Best Management Practice Handbook EC-9 Earth Dikes and Drainage Swales. CASQA, California.



CIRIA Construction Industry Research and Information Association (2006). CIRIA C648: Control of water pollution from linear construction projects -Technical guidance. CIRIA London.

CIRIA Construction Industry Research and Information Association (2001). CIRIA C532: Control of water pollution from construction sites - Guidance for consultants and contractors. CIRIA London.

City of Houston; Harris County; Harris County Flood Control District (2006). Stormwater Management Handbook for Construction Activities. Houston.

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

Department of Agriculture, Fisheries and Food, Kildare. Environmental Protection Authority (2007). ACT Environmental Protection Guidelines for Construction and Land Development in the ACT.

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

Institute of Geologists Ireland (2007) Guide for Drilling Wells for Private Water Supplies. IGI, Dublin. Irish Statute Book (2007) Waste Management (Collection Permit) Regulations, 2007 as amended (S.I. No. 820 of 2007)

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/

McAulay, I., TJP Envision Limited, Department of Trade and Industry, New and Renewable Energy Programme (1999) The Influence of Colour on the Aesthetics of Wind Turbine Generators (ETSU, London).

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

State of Oregon Department of Environmental Quality (2006). Best Management Practices for Storm Water Discharges Associated with Construction Activities. Oregon.

Siltbuster Concrete Wash Unit. Available at: http://www.siltbuster.com. Accessed 09.03.2020.

Population and Human Health, Shadow Flicker

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.



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

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

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

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

Department of Communications, Climate Action and Environment (2019) Climate Action Plan (CAP).

Department of the Environment, Heritage and Local Government (2007). National Climate Change Strategy 2007 – 2012. Stationery Office, 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, 2017.

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

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

Fáilte Ireland (2012). Visitor Attitudes on the Environment - Wind Farms. www.failteireland.ie

Environmental Protection Agency (2017). Draft Guidelines on the Information to be Contained in Environmental Impact Statements. EPA, Wexford.

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

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

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

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

Irish Wind Energy Association (January 2020) Interactions Opinion Poll on Wind Energy. 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 (2009). Jobs and Investment in Irish Wind Energy – Powering Ireland's Economy. Deloitte, Ireland

IWEA (2009) Jobs and Investment in Irish Wind Energy - Powering Ireland's Economy'



Lawrence Berkley National Laboratory (2013). The Impact of Wind Power Projects on Residential Property Values in the United States: A multi-Site Hedonic Analysis. US Department of Energy

Lawrence Berkley National Laboratory (2013) A Spatial Hedonic Analysis of the Effects of Wind Energy Facilities on Surrounding Property Values in the United States.

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).

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). 6. Wind Turbines and Health, A Critical Review of the Scientific Literature, USA.

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.

Pőyry (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 Ireland (2003). Attitudes Towards the Development of Wind Farms in Ireland'. SEI, Dublin.

UK Department of Energy and Climate Change (2010). Update of Shadow Flicker Evidence Base. DECC, London.

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.

Westmeath County Council. Westmeath County Development Pan 2014-2020 (as extended) (as varied). Westmeath.

Westmeath County Council. Westmeath Draft County Development Plan 2021-2027. Westmeath

Biodiversity

British Bryological Society (2010) Mosses and Liverworts of Britain and Ireland - A field guide', ISBN-10: 0956131018

CIEEM (2018) Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater, Coastal and Marine version 1.1. Chartered Institute of Ecology and Environmental Management, Winchester.

CIEEM (2013) Technical Guidance Series – Competencies for Species Survey, Online, Available at: https://cieem.net/resource/competencies-for-species-survey-css/ Accessed, 13.02.2020

Commission of the European Communities (2007) Interpretation manual of European Union habitats. Eur 27. European Commission DG Environment.



Cross, J. & Lynn, D. (2013) Results of a monitoring survey of bog woodland. Irish Wildlife Manuals, No. 69. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.

Curtis (1988) The Irish Red Data Book, 1, Vascular Plants, Online, Available at: http://botanicgardens.ie/wp-content/uploads/2018/06/T.G.F.-Curtis-and-H.N.-McGough-1988-The-Irish-Red-Data-Book-1.-Vascular-Plants.-Wildlife-Service-Ireland.-pdf, Accessed, 13.02.2020

Department of Culture, Heritage and the Gaeltacht (2017) National Biodiversity Action Plan 2017-2021, Available online at:

 $\underline{https://www.npws.ie/sites/default/files/publications/pdf/National\%20Biodiversity\%20Action\%20Plan\%20English.pdf,} \\ \underline{Accessed~13.02.2020}$

Ecofact (2016) Coole Wind Farm Aquatic Ecology Assessment July 2016, Ecofact, Tait Business Centre, Dominic Street, Limerick City, Ireland

Environmental Protection Agency (EPA) (2003) Advice Notes on Current Practice (in preparation of Environmental Impact Statements), Online, available at:

https://www.epa.ie/pubs/advice/ea/guidelines/EPA_advice_on_EIS_2003.pdf, Accessed 06.01.2020

European Commission (2013) Interpretation Manual of European Union Habitats –EUR28 http://ec.europa.eu/environment/nature/legislation/habitatsdirective/docs/Int_Manual_EU28.pdf

European Communities (Birds and Natural Habitats) Regulations 2011 (S.I. No. 477 of 2011).

Fernandez, F., Connolly K., Crowley W., Denyer J., Duff K. & Smith G. (2014) Raised Bog Monitoring and Assessment Survey 2013. Irish Wildlife Manuals, No. 81. National Parks and Wildlife Service, Department of Arts, Heritage and Gaeltacht, Dublin, Ireland

Foss, P.J. & Crushell, P. (2008) Guidelines for a National Fen Survey of Ireland, Survey Manual. Report for the National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Ireland.

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

King, J.L., Marnell, F., Kingston, N., Rosell, R., Boylan, P., Caffrey, J.M., FitzPatrick, Ú., Gargan, P.G., Kelly, F.L., O'Grady, M.F., Poole, R., Roche, W.K. & Cassidy, D. (2011) Ireland Red List No. 5: Amphibians, Reptiles & Freshwater Fish. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.

Lintott, P. R., and Mathews, F., (2018), Basic errors may make ecological assessments unreliable, Biodiversity and Conservation 28-265-7

MKO (2018) Bat Surveys at Height Report, Coole, Co. Westmeath

NPWS (2013) The Status of EU Protected Habitats and Species in Ireland. Habitat Assessments Volume 2. Version 1.1. Unpublished Report, National Parks & Wildlife Services. Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.

NPWS (2013) The Status of EU Protected Habitats and Species in Ireland. Habitat Assessments Volume 2. Version 1.1. Unpublished Report, National Parks and Wildlife Services. Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.

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 (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 (2019) Online map viewer; Flora Protection Order Map Viewer – Bryophytes. Online, Available at: http://dahg.maps.arcgis.com/apps/webappviewer/index.html?id=71f8df33693f48edbb70369d7fb26b7e, Accessed: 10/02/2020.

NPWS (2020) Natural Heritage Areas (NHA), Available online at: https://www.npws.ie/protected-sites/nha, Accessed 13.02.2020

NRA (2006) Guidelines for the Treatment of Badger Prior to the Construction of National Roads Schemes'. Dublin: National Roads Authority

NRA (2006b.) Guidelines for the Treatment of Otters prior to the Construction of National Road Schemes. Dublin: National Roads Authority.

NRA/TII, (2006) Environmental Assessment and Construction Guidelines, Available online at: https://www.tii.ie/technical-services/environment/planning/Environmental-Impact-Assessment-of-National-Road-Schemes-Practical-Guide.pdf, Accessed 13.12.2020

NRI/TII (2009) Ecological Surveying Techniques for Protected Flora and Fauna during the Planning of National Road Schemes Online, Available at: https://www.tii.ie/technical-services/environment/planning/Ecological-Surveying-Techniques-for-Protected-Flora-and-Fauna-during-the-Planning-of-National-Road-Schemes.pdf, Accessed: 13.02.2020

Perrin, P.M., Barron, S.J., Roche, J.R. & O'Hanrahan, B. (2014). Guidelines for a national survey and conservation assessment of upland vegetation and habitats in Ireland. Version 2.0. Irish Wildlife Manuals, No. 79. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland

Reid, N., Hayden, B., Lundy, M.G., Pietravalle, S., McDonald, R.A. and Montgomery, W.I. (2013) National Otter Survey of Ireland 2010/12. Irish Wildlife Manuals No. 76. Dublin. National Parks and Wildlife Service.

S.I. No. 477/2011 - European Communities (Birds and Natural Habitats) Regulations 2011

Scottish Natural Heritage, Natural England, Natural Resources Wales, Renewable UK, Scottish Power Renewables, Ecotricity Ltd, the University of Exeter & Bat Conservation Trust (BCT). (2019). Bats and Onshore Wind Turbines: Survey Assessment and Mitigation. Available online at https://www.nature.scot/bats-and-onshore-wind-turbines-survey-assessment-and-mitigation, Accessed 06.01.2020.

Smith, G. F., O'Donoghue, P., O'Hora, K. and Delaney, E., (2011), 'Best Practice Guidance for Habitat Survey and Mapping', The Heritage Council.

Stace (2010), New Flora of the British Isles, Third Edition, ISBN: 9780521707725, Cambridge University Press

Westmeath County Council, (2014), Natura Impact Assessment Report, Online, available at: http://www.westmeathcoco.ie/en/media/Volume 4 Natura Impact Report2.pdf Accessed 10/03/2021

Westmeath County Council, (2014), Westmeath County Development Plan 2014 – 2020, Online, available at: http://www.westmeathcoco.ie/en/ourservices/planning/developmentplans/countydevelopmentplan2014-2020/Accessed 10/03/2021

Woodrow Sustainable Solutions Ltd. (2020) Bat Survey Report to Inform the Proposed Coole Wind Farm, Co. Westmeath, Woodrow Sustainable Solutions Ltd., Station Road, Ballisodare, Co. Sligo, Ireland

Ornithology



Anon., (2003). Recommended methodology for assessment of impacts of proposed windfarms on breeding Hen Harrier within the known range of the species in Ireland. National Parks and Wildlife Service, BirdWatch Ireland, Irish Raptor Study Group.

Anon., (2005). Survey methods for use in assessing the impacts of onshore windfarms on bird communities. SNH Guidance document. Scottish Natural Heritage.

Alerstam, T., Rosen M., Backman J., G P., Ericson P & Hellgren O. 2007. Flight Speeds among Bird Species: Allometric and Phylogenetic Effects. PLoS Biol, 5, 1656-1662. DOI: 10.1371/journal.pbio.0050197

Balmer, D.E., Gillings, S., Caffrey, B.J., Swann, R.L., Downie, I.S. and Fuller, R.J. (2013). Bird Atlas 2007-11: the breeding and wintering birds of Britain and Ireland. BTO Books, Thefford, UK.

Band, W., Madders, M. and Whitfield, D.P. (2007) Developing field and analytical methods to assess avian collision risk at wind farms. In: Birds and wind power: risk assessment and mitigation. M. De Lucas, G.F.E. Janss and M. Ferrer, Eds.: 259-275. Quercus, Madrid.

Barrios, L. and Rodríguez, A. (2004). Behavioural and environmental correlates of soaring bird mortality at onshore wind turbines. Journal of Applied Ecology, 41(1): 72-81.

Barton, C., Pollock, C., Norriss, D.W., Nagle, T., Oliver, G.A. and Newton, S., (2006). The second national survey of breeding Hen Harriers (Circus cyaneus) in Ireland 2005. Irish Birds 8(1): 1-20.

Bibby, C.J., Burgess, N.D. & Hill, D.A. & Mustoe, S. (2000) Bird Census Techniques (Second edition). Academic Press, London.

Birds Directive (2009/47/EC) http://ec.europa.eu/environment/naturelegislation/birdsdirective /index _en.htm

BirdLife International, 2004. Birds in the European Union: a status assessment, Wageningen, The Netherlands.

Boland, H. & Crowe, O., (2012). Irish Wetland Bird Survey: Waterbird Status and Distribution 2001/02 -2008/09, Kilcoole, Wicklow.

Boland, H. et al., (2010). Whooper Cygnus cygnus and Bewick's C. columbianus bewickii Swans in Ireland: results of the International Swan Census, January 2010. Irish Birds, 9(1), pp.1–10.

British Trust of Ornithology (BTO) online BirdFacts. Available at https://www.bto.org/about-birds/birdfacts

Brown, A.F.& Shepherd, K.B. (1993) A method for censusing upland breeding waders. Bird Study, 40: 189-195

Burke, B., Lewis, L. J., Fitzgerald, N., Frost, T., Austin, G. & Tierney, T. D. (2018) Estimates of waterbird numbers wintering in Ireland, 2011/12 – 2015/16. Irish Birds No. 41, 1-12.

CEC, The Council of the European Communities (1979). Council Directive 79/409/EEC of 2 April 1979 on the conservation of wild birds. Official Journal of the European Communities No. L 103/1: 25. Chamberlain, D., Freeman, S.N., Rehfisch, M.M., Fox & Desholm, M. (2005). Appraisal of Scottish Natural Heritage's Windfarm collision risk model and its application. BTO Research Report No. 401. 52pp.

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

CIEEM (2016) Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater and Coastal, 2nd edition. Chartered Institute of Ecology and Environmental Management, Winchester.

CIEEM (2018) Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater, Coastal and Marine. Chartered Institute of Ecology and Environmental Management, Winchester.



Colhoun, K. and Cummins, S. (2013). Birds of Conservation Concern in Ireland 2014 2019. Irish Birds 9(4): 523-544.

Craig, G.R., White, G.C, Enderson, J.H. (2004). Survival, Recruitment, and Rate of Population Change of the Peregrine Falcon Population in Colorado. The Journal of Wildlife Management. Vol. 68, No. 4, pp. 1032-1038.

Cramp, S. (1993) Handbook of the Birds of the Western Palaearctic, Oxford University Press, Oxford.

Crowe, O., Coombes, R.H., O'Sulliavn, O, Tierney, T.D., Walsh, A.J. and O'Halloran, J. (2014). Countryside Bird Survey Report 1998-2013, BirdWatch Ireland, Wicklow.

Crowe, O. & C. Holt. 2013. Estimates of waterbird numbers wintering in Ireland 2006/07 - 2010/11. Irish Birds 9, 545-552

Crowe, O., McElwaine, J.G., Boland, H., Enlander, I.J. (2015). Whooper Cygnus cygnus and Bewick's C. columbianus bewickii Swans in Ireland: results of the International Swan Census, January 2015. Irish Birds 10(2): 151-158.

Dewitt, A. L. & Langston, R.H.W. (2008) Collision effects of wind - power generators and other obstacles on birds. Annals of the New York Academy of Sciences, 1134 (1): pp. 233 - 26 6(34).

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

Drewitt, A. L. & Langston, R.H.W. (2006). Assessing the impacts of wind farms on birds. Ibis. 148: 29 - 42.

EPA (2002). Guidelines on the information to be contained in Environmental Impact Statements. Environmental Protection Agency (where relevant).

EPA (2003). Advice notes on current practice (in the preparation of Environmental Impact Statements (where relevant).

EPA (2017). Draft revised guidelines on the information to be contained in Environmental Impact Statements. Environmental Protection Agency.

European Commission (2002). Assessment of plans and projects significantly affecting Natura 2000 sites.

European Commission (2011). Wind energy development and Natura 2000. Guidance document.

European Commission (2017). Environmental Impact Assessment of Projects.

Evans P.R., Pienkowski M.W. (1984). Population Dynamics of Shorebirds. In: Burger J., Olla B.L. (eds) Shorebirds. Springer, Boston, MA.

Fernández-Bellon, D., Wilson, M.W., Irwin, S., O'Halloran, J. (2018) Effects of development of wind energy and associated changes in land use on bird densities in upland areas.

Fernley, J., Lowther, S. & Whitfield P. 2006. A Review of Goose Collisions at Operating Wind Farms and Estimation of the Goose Avoidance Rate. Unpublished Report by West Coast Energy, Hyder Consulting and Natural Research.

Gibbons, D.W., Reid, J.B. & Chapman, R.A. (1993) The new atlas of breeding birds in Britain and Ireland: 1988-1991.

Gilbert, G., Gibbons, D.W. & Evans, J. (1998) Bird Monitoring Methods. RSPB



Gillings and Fuller (1999). Winter Ecology of Golden Plovers and Lapwings: A Review and Consideration of Extensive Survey Methods. BTO Research Report No. 224. British Trust for Ornithology, The Nunnery, Thetford, Norfolk, IP24 2PU, UK.

Hardey, J., Crick, H., Wernham, C., Riley, H. & Thompson, D. (2009): Raptors: a field guide to survey and monitoring. 2nd Edition Edinburgh: The Stationery Office.

Hardey, J., Crick, H., Wernham, C., Riley, H., Etheridge, B. & Thompson, D. (2013). Raptors: a field guide to survey and monitoring (3rd Edition). The Stationery Office, Edinburgh.

Hötker, H., Thomsen, K.-M. & Jeromin, H., 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, Bergenhusen, Germany.

Huntley, B., Green, R.E., Collingham, Y.C. and Willis, S.G. (2007). A climatic atlas of European breeding birds. Durham University, The RSPB and Lynx Edicions, Barcelona. Irish Wildlife Acts 1976 to 2018.

Johnson, W.P., Schmidt, P. M and Taylor, D.P. (2014). Foraging flight distances of wintering ducks and geese: a review. Avian Conservation and Ecology 9(2)

Joys, A.C. & Crick, H.Q.P (2004). Breeding periods for selected bird species in England. BTO Research Report No. 352. British Trust for Ornithology, The Nunnery, Thetford, Norfolk IP24 2PU, U.K.

Ketzenberg, C. et al., 2002. Einfluss von Windkraftanlagen auf brütende Wiesenvögel. Natur und Landschaft, 77, pp.144–153

Kunz, T.H., Arnett, E.B., Cooper, B.M., Erickson, W.P., Larkin, R.P., Mabee, T., Morrison, M.L., Strickland, M.D. and Szewczak, J.M. (2007). Assessing impacts of wind-energy development on nocturnally active birds and bats: a guidance document. Journal of Wildlife Management 71(8): 2449-2486.

Lack, P. (1986). The atlas of wintering birds in Britain and Ireland. T & A.D. Poyser Ltd. (for the British Trust for Ornithology and the Irish Wildbird Conservancy), Calton.

Langston, R.H.W. and Pullan, J.D. (2003). Windfarms and Birds: An analysis of the effects of windfarms on birds, and guidance on environmental assessment criteria and site selection issues. BirdLife International on behalf of the Bern Convention, Strasbourg, 58 pp.

Larsen, J.K. and Madsen, J. (2000). Effects of wind turbines and other physical elements on field utilization by pink-footed geese (Anser brachyrhynchus): A landscape perspective. Landscape Ecology, 15(8): 753 764.

Lauder, C. & Donaghy, A. (2008). Breeding Wader in Ireland 2008: A Review and Recommendations for Future Action. Unpublished report to the NPWS

Lusby, J., Corkery, I., McGuiness, S., Fernández-Bellon, D., Toal, L., Norriss, D., Breen, D., O'Donaill, A., Clarke, D., Irwin, S., Quinn, J.L., & O'Halloran, J. (2017): Breeding ecology and habitat selection of Merlin Falco columbarius in forested landscapes, Bird Study

Madden, B. and Porter, B., (2007). Do wind turbines displace Hen Harriers (Circus cyaneus) from foraging habitat? Preliminary results of a case study at the Derrybrien Wind Farm, County Galway. Irish Birds 8(2): 231-236.

Madders, M. & Whitfield, P.D. (2006). Upland Raptors and the Assessment of Wind Farm Impacts. Ibis (2006), 148, 43-56.



McCluskie, A. (2006). Hen Harriers and wind farms. Powerpoint presentation for Natural Research Ltd., U.K.

Meredith, C., Venosta, M. & Ressom, R. 2002. Cordington Wind Farm Avian Avoidance Behaviour Report 2002. Biosis Research Project.

McGuinness, D., Muldoon, C., Tierney, N., Cummins, S., Murray, A., Egan, S. & Crowe, O. (2015). Bird Sensitivity Mapping for Wind Energy Developments and Associated Infrastructure in the Republic of Ireland. Guidance Document. Birdwatch Ireland.

National Biodiversity Data Centre Website (www.biodiversityireland.ie)

National Parks and Wildlife Services (2015). Hen Harrier Conservation and the Forestry Sector in Ireland.

Norriss, D.W., Marsh, J., McMahon, D. and Oliver, G.A., (2002). A national survey of breeding Hen Harriers Circus cyaneus in Ireland 1998-2000. Irish Birds 7(1): 1-12.

NRA (2009a). Guidelines for Assessment of Ecological Impacts of National Road Schemes (Revision 2). National Roads Authority.

NRA (2009b) Environmental Impact Assessment of National Road Schemes -A Practical Guide

NRA (2009c) Ecological Surveying Techniques for Protected Flora and Fauna during the Planning of National Road Schemes. National Roads Authority.

Pearce-Higgins, J.W., Stephen, L., Dowse, A. and Langston, R.H.W. (2012). Greater impacts of wind farms on bird populations during construction than subsequent operation: results of multi-site and multi-species analysis. Journal of Applied Ecology 49: 386-394.

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.M. (2003). Birds and wind farms in Ireland: A review of potential issues and impact assessment. Ecological Consulting.

Prévot-Julliard, A.C., Lebreton, J.D., Pradel, R. (1998). Re-Evaluation of Adult Survival of Black-Headed Gulls (Larus Ridibundus) in Presence of Recapture Heterogeneity, The Auk, Volume 115, Issue 1, Pages 85–95.

Renou-Wilson, F., Keane, M., and Farrell, E. P. (2008). Establishing oak woodland on cutaway peatlands: effects of soil preparation and fertilization. Forest Ecology and Management 255:728-737.

Ruddock, M. & Whitfield, D.P. (2007). A review of disturbance distances in selected bird species. A report from Natural Research (Projects) Ltd. to Scottish Natural Heritage.

Ruddock, M. & Dunlop, B.J., O'Toole, L., Mee, A. and Nagle, T. (2012). Republic of Ireland National Hen Harrier Survey 2010. Irish Wildlife Manual, No. 59. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.

Ruddock, M. et al., 2011. Republic of Ireland Hen Harrier Survey, 2010, Dublin, Ireland. Ruddock, M., Mee, A., Lusby, J., Nagle, A., O'Neill, S. & O'Toole, L. (2016). The 2015 National Survey of Breeding Hen Harrier in Ireland. Irish Wildlife Manuals, No. 93. National Parks and Wildlife Service, Department of the Arts, Heritage and the Gaeltacht, Ireland.

Sandercock, B.K. (2003). Estimation of survival rates for wader population: A review of mark-recapture methods. Wader Study Group Bulletin 100:163-174.



Scott, D. (2000). Marking a decade of tree nesting by Hen Harriers Circus cyaneus in Northern Ireland, 1991-2000. Irish Birds 6(4): 586-589.

Scott, D. (2005). The diet of Hen Harriers Circus cyaneus in Northern Ireland 1991-2005. Irish Birds 7(4): 597-599.

Scott, D. and Clarke, R. (2007). Comparing the success of Hen Harrier Circus cyaneus tree nests and ground nests in the Antrim Hills, 1990-2006. Irish Birds 8(2): 315-318.

Scott, D. and McHaffie, P. (2003). What impact do Buzzard Buteo buteo and Goshawk Accipiter gentilis have on other raptors in coniferous forest? – preliminary findings. Irish Birds 7(2): 267-269.

Scott, D. and McHaffie, P. (2008). Hen Harrier Circus cyaneus killed at windfarm site in County Antrim. Irish Birds 8(3): 436-437.

Scott, D., Clarke, R. and Shawyer, C.R. (1991). Hen Harriers breeding in a tree-nest. Irish Birds 4(3): 415-417.

Sharrock, J.T.R. (1976). The Atlas of Breeding Birds in Britain and Ireland. British Trust for Ornithology, Tring.

SNH (2000). Wind farms and birds: calculating a theoretical collision risk assuming no avoidance action. SNH Guidance Note.

SNH (2006). Assessing Significance of Impacts from Onshore Windfarms on Birds Outwith Designated Sites. Scottish Natural Heritage.

SNH (2009). Monitoring the impact of onshore wind farms on birds. Scottish Natural Heritage.

SNH (2012). Assessing the Cumulative Impact of Onshore Wind Energy Developments. Scottish Natural Heritage.

SNH (2014). Recommended bird survey methods to inform impact assessment of onshore wind farms. Scottish Natural Heritage.

SNH (2017). Recommended bird survey methods to inform impact assessment of onshore wind farms. Scottish Natural Heritage.

SNH (2016) Avoidance rate information & guidance note: Use of avoidance rates in the SNH wind farm collision risk model. Scottish Natural Heritage, Edinburgh, UK.

SNH (2018) Avoidance rate information & guidance note: Use of avoidance rates in the SNH wind farm collision risk model. Scottish Natural Heritage, Edinburgh, UK. http://www.snh.gov.uk/docs/B721137.pdf].

SNH (2016) Wind farm proposal on afforested sites- advice on reducing suitability for hen harrier, merlin and short-eared owl. Scottish Natural Heritage.

SNH (2016). Assessing Connectivity with Special Protection Areas (SPAs). Scottish Natural Heritage. Snow, D.W. & Perrins, C.M., 1998. The Birds of the Western Palearctic Vol. 1: Non-passerines, Oxford, UK: Oxford University Press.

Sovacool, B.K. (2009). Contextualizing avian mortality: a preliminary appraisal of bird and bat fatalities from wind, fossil-fuel, and nuclear electricity. Energy Policy 37: 2241–2248.

Stewart, G.B., Coles, C.F. and Pullin, A.S. (2005). Effects of Wind Turbines on Bird Abundance. Effects of Wind Turbines on Bird Abundance. Systematic Review No. 4. Birmingham, U.K., Centre for Evidence-Based Conservation.



Thaxter, C. B., Lascelles, B., Sugar, K., & Cook, A. S.C.P., Roos, S., Bolton, M., Langston, R. H.W., Burton, N. H.K. (2012). Seabird foraging ranges as a preliminary tool for identifying candidate Marine Protected Areas. Biological Conservation. 156. 10.1016/j.biocon.2011.12.009.

The Hen Harrier Project website (http://www.henharrierproject.ie/)

Village, A. (1990). The Kestrel. First Edition. T. & A.D. Poyser.

Winkelman, J.E., 1992. The Impact of the SEP Wind Park near Oosterbierum (Fr.), the Netherlands, on Birds, Vol. 1: Collision Victims [in Dutch]. RIN-report 92/2, Arnhem, Netherlands.

Winkelman, J.E., 1989. Birds at a Wind Park near Urk: Bird Collision Victims and Disturbance of Wintering Ducks, Geese and Swans [in Dutch]. RIN-Rapport 89/15, Arnhem, Netherlands.

Whitfield, D.P. & Madders, M., 2006. Flight Height in the Hen Harrier Circus Cyaneus and its Incorporation in Wind Turbine Collision Risk Modelling. Natural Research Information Note 2, Banchory, Aberdeenshire.

Whitfield, D.P. and Madders, M. (2006). A review of the impacts of wind farms on Hen Harriers Circus cyaneus and an estimation of collision avoidance rates. Natural Research Information Note 1 (revised). Banchory, UK, Natural Research Ltd. 32pp.

Whitfield, D.P. & Urquhart, B. (2015) Deriving an avoidance rate for swans suitable for onshore wind farm collision risk modelling. Natural Research Information Note 6. Natural Research Ltd, Banchory, UK.

Wilson, M., Fernández-Bellon, D., Irwin, S., O'Halloran, J. (2015). The interactions between Hen Harriers and wind turbines. WINDHARRIER Final project Report. School of Biological, Earth & Environmental Sciences, University College Cork, Ireland.

Land, Soils and Geology

AGEC Ltd. (2017) - Geotechnical & Peat Stability Assessment Report for Coole Wind Farm, Co. Westmeath.

AGEC Ltd. (2017) - Coole Wind Farm Cable Route Priority Area Survey.

Apex Geophysics Ltd. (2019) – Report on the Geophysical Investigation at the Coole Grid Route, Co. Westmeath for Statkraft Ireland Limited.

British Standards Institution (BSI). (2015) BS5930 - Code of Practice for Site Investigations.

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 (2017): Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports.

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

Environmental Protection Agency (2003): Advice Notes on Current Practice (in the Preparation on Environmental Impact Statements).

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



Fehily Timoney and Company (FT) (2020a). Geotechnical & Peat Stability Assessment Report - Coole Wind Farm, County Westmeath.

Fehily Timoney and Company (FT) (2020b). Peat & Spoil Management Plan - Coole Wind Farm, County Westmeath.

Geological Survey of Ireland (GSI). (2005) Geology of Longford-Roscommon, 1:100,000 scale Bedrock Geology Series, Sheet 12.

Ground Investigations Ireland (2020): Coole Wind Farm Ground Investigations Report

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

National Roads Authority (2008): Guidelines on Procedures for Assessment and Treatment of Geology, Hydrology and Hydrogeology for National Road Schemes.

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

Water

CIRIA, 2006: Guidance on 'Control of Water Pollution from Linear Construction Projects' (CIRIA Report No. C648, 2006).

CIRIA, 2006: Control of Water Pollution from Construction Sites - Guidance for Consultants and Contractors. CIRIA C532. London, 2006.

DoHLG, 2006: Wind Farm Development Guidelines for Planning Authorities.

EPA (2017) Guidelines on the Information to be contained in Environmental Impact Assessment Reports – Draft.

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

EPA (September 2015): Draft – Revised Guidelines on the Information to be contained in Environmental Impact Statements.

EPA, 2003: Advice Notes on Current Practice (in the preparation of Environmental Impact Statements). IFI, 2016: Guidelines on Protection of Fisheries during Construction Works in and Adjacent to Waters, Inland Fisheries Ireland (2016).

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

NRA, 2008: Guidelines on Procedures for Assessment and Treatment of Geology, Hydrology and Hydrogeology for National Road Schemes, (National Roads Authority, NRA, 2008).

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

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

SNH, 2010: Scottish Natural Heritage report (SNH): Good Practice During Wind Farm Construction.



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

Air and Climate

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

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

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 Communications, Climate Action and Environment (2019) Climate Action Plan (CAP). 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 Public Expenditure and Reform (2018) National Development Plan 2018-2027. Dublin.

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

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.

European Environment Agency (2019) Air Quality in Europe- 2019 Report. EEA

European Environment Agency (2017). Air Quality in Europe – 2017 Report. European Environment Agency, Denmark.

Environmental Protection Agency (2019) Air Quality in Ireland 2018. EPA, Ireland.



Environmental Protection Agency (June 2019) Ireland's Greenhouse Gas Emissions Projections 2018-2040. EPA, Ireland.

Environmental Protection Agency (2018). Ireland's Greenhouse Gas Emissions Projections 2017 – 2035. EPA, Mullingar.

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

Eurostat (2018), Smarter, greener, more inclusive? Indicators to Support the Europe 2020 Strategy. European Union, Luxembourg.

Met Éireann www.met.ie

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.

Wilson et al., (2016) Multiyear greenhouse gas balances at a rewetted temperate peatland.

Wilson et al., 2016; Greenhouse gas Emission Factors.

Wilson et al. (2015) Derivation of GHG emission factors for peatlands managed for extraction in the ROI and the UK.

Wilson, D. and Farrell, E.P., (2007) The Effect of Management Strategies on Greenhouse Gas Balances in Industrial Cutaway Peatlands in Ireland (The CARBAL Report).

Noise and Vibration

EPA Guidelines on the Information to be contained in Environmental Impact Statements, (EPA, 2002);

EPA Advice Notes on Current Practice (in the preparation of Environmental Impact Statements), (EPA, 2003);

EPA Guidelines on the Information to be contained in Environmental Impact Assessment Reports Draft August 2017 (EPA, 2017);

EPA Advice Notes for Preparing Environmental Impact Statements, (Draft, September 2015).

ISO 9613: Acoustics – Attenuation of sound outdoors, Part 2: General method of calculation, (ISO, 1996).Reference No. 1

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

Wind Energy Development Guidelines" published by the Department of the Environment, Heritage and Local Government 2006



Department of Trade & Industry (UK) Energy Technology Support Unit (ETSU) "The Assessment and Rating of Noise from Wind Farms" (1996).

BS 5228-1:2009+A1:2014 Code of practice for noise and vibration control on construction and open sites - Noise

Landscape and Visual

Carmarthenshire County Council (2013) Cumulative Impact of Wind Turbines on Landscape and Visual Amenity.

Cavan County Council (2014). Cavan County Development Plan 2014 – 2020. Cavan

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

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

Department of the Environment and Local Government, 2000 Landscape and Landscape Assessment: Consultation Draft of Guidelines for Planning Authorities' DoEHLG, Dublin.

Landscape Institute (2017) Visual Representation of Development Proposals. Guidance Note 02/17. London.

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

Longford County Council (2015). Longford County Development Plan 2015 - 2021. Longford

Meath County Council (2013). Meath County Development Plan 2013 – 2019. Navan.

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

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

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

Scottish Natural Heritage (2012) Assessing the Cumulative Impact of Onshore Wind Energy Developments. SNH, Stirling.

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

Westmeath County Council. Westmeath County Development Pan 2014-2020 (as extended) (as varied). Westmeath.

Westmeath County Council. Westmeath Draft County Development Plan 2021-2027. Westmeath

Archaeological and Cultural Heritage

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 2017.



McGuinness, D. 2012 The Prehistoric Burial Mounds and Related Monuments of County Westmeath - Vol I. Preliminary Account of The Monuments In The Lough Owel Area.

O'Donoghue, J., and McCarthy, J., 2020, Coole Wind Farm, Co. Westmeath S.I. Works Archaeological Monitoring Report. Unpublished report.

Westmeath County Council. Westmeath County Development Pan 2014-2020 (as extended) (as varied). Westmeath.

Westmeath County Council. Westmeath Draft County Development Plan 2021-2027. Westmeath

Other Sources

Record of Monuments and Places (RMP)

1st Edition 6 inch OS maps (1835)

2nd Edition 25 inch OS maps (1903)

www.webgis.archaeology.ie/historicenvironment www.excavations.ie www.buildingsofireland.ie www.logainm.ie

Material Assets

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 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.

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

National Roads Authority (2011). Project Appraisal Guidelines, Unit 5.5 Link Based Traffic Growth Forecasting. 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 (2007). Traffic and Transport Assessment Guidelines. NRA, Dublin.

National Roads Authority (2003). Future Traffic Forecasts, 2002 to 2040. NRA, Dublin.



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

TII (October 2016) Project Appraisal Guidelines for National Roads Unit 5.2 – Data Collection PE-PAG-02016, Transport Infrastructure Ireland.

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

Westmeath County Council. Westmeath County Development Pan 2014-2020 (as extended) (as varied). Westmeath.

Westmeath County Council. Westmeath Draft County Development Plan 2021-2027. Westmeath