

Chapter 15:

References

Environmental Impact Assessment
Report for:

Westfield Substation Extension

Chapter Table of Contents

15.	References	15-3
15.1	Chapter 1: Introduction	15-3
15.2	Chapter 2: Scope, Methodology and Consultation	15-3
15.3	Chapter 3: Description of Development	15-3
15.4	Chapter 4: Legal and Planning Policy Framework.....	15-3
15.5	Chapter 5: Need, Alternatives and Design Evolution	15-4
15.6	Chapter 6: Landscape and Visual Amenity.....	15-4
15.7	Chapter 7: Ecology and Biodiversity	15-5
15.8	Chapter 8: Transport and Access.....	15-6
15.9	Chapter 9: Air Quality	15-6
15.10	Chapter 10: Noise.....	15-7
15.11	Chapter 11: Major Accidents and Disaster	15-8
15.12	Chapter 12: Cumulative and Interactive Effects	15-8
15.13	Chapter 13: Schedule of Mitigation and Monitoring	15-8
15.14	Chapter 14: Summary of Effects.....	15-8

15. References

15.1 Chapter 1: Introduction

National Grid ESO Pathway to 2030 Holistic Network Design, July 2022, available online at <https://www.neso.energy/document/262681/download>

NESO Network Options Assessment (NSO) available online at <https://www.neso.energy/publications/network-options-assessment-noa>

National Grid ESO Network Options Assessment 2021/2022 Refresh Available online <https://www.neso.energy/document/262981/download>

15.2 Chapter 2: Scope, Methodology and Consultation

Planning Advice Note (1/2013) Environmental Impact Assessment Revision 1.0 (Scottish Government, 2017)

The Town and Country Planning (Environmental Impact Assessment) (Scotland) Regulations 2017, Planning Circular 1/2017, Scottish Government

EIA Handbook v5 (Scottish Natural Heritage and Historic Environment Scotland, 2018)

15.3 Chapter 3: Description of Development

None.

15.4 Chapter 4: Legal and Planning Policy Framework

Energy Act 2023

Net Zero Strategy: Build Back Greener (updated 2022)

Climate Change Act 2008 and the Climate Change Act 2008 (2050 Target Amendment) Order 2019

Progress in Reducing Emissions - 2025 Report to Parliament

The Clean Power 2030 Action Plan (2024)

British Energy Security Strategy (2022)

National Energy System Operator - Pathway to 2030 (2022)

Transitioning to a Net Zero Energy System: Smart Systems and Flexibility Plan (2021)

Scottish Government Legislation and Policy

The Climate Change (Emissions Reduction Targets) (Scotland) Act 2019, significantly amended by the 2024 Act

Climate Change (Scotland) Act 2009

Green Industrial Strategy (2024) Draft Energy Strategy and Just Transition Plan (2023)

Scotland's Energy Strategy Position Statement (2021)

The Climate Emergency (2019)

A Vision for Scotland's Electricity and Gas Networks 2019-2030 (2019)

The Climate Change Plan: The Third Report on Proposals and Policies 2018-2032 (2018)

The Scottish Energy Strategy: The Future of Energy in Scotland (2017)

National Planning Framework 4 (NPF4) – adopted 13 February 2023

Fife's Local Development Plan – FIFEplan (adopted September 2017)

15.5 Chapter 5: Need, Alternatives and Design Evolution

Network Options Assessment, January 2022, National Grid Electricity System Operator (2022)

Network Options Assessment 2021/22 Refresh, July 2022, National Grid Electricity System Operator (2022)

Horlock Rules, National Grid Company plc (2006)

15.6 Chapter 6: Landscape and Visual Amenity

Guidelines for Landscape and Visual Impact Assessment – Third Edition (LI/IEMA, 2013) (GLVIA3)

Landscape Institute Draft Technical Guidance Note (dTGN) 05/23 Notes and Clarifications on aspects of the 3rd Edition Guidelines on Landscape and Visual Impact Assessment (GLVIA3) (2023)

Landscape Institute TGN 02/19 Residential Visual Amenity Assessment (RVAA)

NatureScot (2021) Assessing the cumulative landscape and visual impact of onshore wind energy developments

Environmental Impact Assessment Handbook – 'Appendix 2 - Landscape and Visual Impact Assessment' (Scottish Natural Heritage 2018)

Landscape Character Assessment: Guidance for England and Scotland (Scottish Natural Heritage (SNH) and The Countryside Agency 2002)

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

Landscape Institute Technical Guidance Note (TNG) 02/21 Assessing Landscape Value Outside National Designations (2021)

National Planning Framework 4 (NPF4) (February 2023)

Fife's Local Development Plan – FIFEplan (September 2017)

Making Fife's Places Supplementary Guidance (2018)

Low Carbon Fife Supplementary Guidance (2019)

Scottish Natural Heritage National Landscape Character Assessment (1998)

Scottish Natural Heritage 2019 Landscape Character Type map and LCT Descriptions (2019) – this documentation has superseded the 1998 assessment

Local Ordnance Survey (OS) Maps

Aerial Photographs

15.7 Chapter 7: Ecology and Biodiversity

CIEEM (2018) Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater, Coastal and Marine version 1.3. Chartered Institute of Ecology and Environmental Management, Winchester

Box, J, Dean, M & Oakley, M (2017) An alternative approach to the reporting of categories of significant residual effects in Environmental Impact Assessment. In Practice – Bulletin of the Chartered Institute of Ecology and Environmental Management 97: 47-50

Scottish Biodiversity List | NatureScot

Joint Nature Conservation Committee (JNCC) Handbook for Phase 1 Habitat survey (2010)

Bat Surveys for Professional Ecologists: Good Practice Guidelines (4th edition). The Bat Conservation Trust (2023)

Common Bird Census Method (1983)

Monitoring the Otter *Lutra lutra*. Conserving Natura 2000 Rivers Monitoring Series No. 10, English Nature (2003)

The Water Vole Mitigation Handbook (Mammal Society Mitigation Guidance Series) Mammal Society (2016)

Protection of Badgers Act 1992

Surveying Badgers. Occasional publication of Mammal Society, Number 9. Mammal Society (1989)

Evaluating the suitability of habitat for the Great Crested Newt (*Triturus cristatus*). Herpetological Journal 10 (4), 143-155 (2000)

Reptile survey: an introduction to planning, conducting and interpreting surveys for snake and lizard conservation. Froglife Advice Sheet 10, Froglife, Halesworth

CIEEM advice note on the lifespan of ecological reports and surveys (April 2019)

Why are we expanding Scotland's woodlands? | Scottish Forestry

15.8 Chapter 8: Transport and Access

Institute of Environmental Management and Assessment "Guidelines for the Environmental Assessment of Traffic and Movement" (2023), IEMA

National Planning Policy 4 (February 2023), Scottish Government

Fife Council Local Transport Strategy 2023 – 2033 (November 2023), Fife Council

National Transport Strategy (February 2020), Transport Scotland

Fife Council Local Development Plan (September 2017), Fife Council

15.9 Chapter 9: Air Quality

Air Quality Consultants Ltd. (2025). 'Impacts of Emergency Generator Testing and Maintenance'

DEFRA. (2018). UK Plan for tackling Roadside Nitrogen Dioxide Concentrations: Detailed Plan. Retrieved from <https://www.gov.uk/government/publications/air-quality-plan-for-nitrogen-dioxide-no2-in-uk-2017>

DEFRA. (2020). 2020 NO₂ and PM Projections Data (2018 Reference Year).

DEFRA. (2025). Local Air Quality Management Technical Guidance (TG22)

DEFRA in partnership with the Scottish Executive, The Welsh Assembly Government and the Department of the Environment for Northern Ireland. (2007). The Air Quality Strategy for England, Scotland, Wales, Northern Ireland. London: HMSO

Environmental Protection UK and the Institute of Air Quality Management (EPUK and IAQM). (2017). Land-use Planning and Development Control: Planning for Air Quality, V1.2. The Institute for Air Quality Management, London

European Parliament, Council of the European Union. (2008). Directive 2008/50/EC of the European Parliament and of the Council of 21 May 2008 on ambient air quality and cleaner air for Europe

Fife Council. (2017). Fife Local Development Plan (FIFEplan)

Fife Council. (2020). Air Quality in Fife Advice for Developers

Fife Council. (2024). Fife Council Air Quality Strategy 2025 - 2030

Fife Council. (2025). Fife Air Quality Annual Progress Report 2025

IAQM. (2024). Guidance on the Assessment of Dust from Demolition and Construction, version 2.2. London: IAQM

Scottish Government. (2015). Clean Air for Scotland

Scottish Government. (2019). National Low Emission Framework

Scottish Government. (2021a). Maps of Annual Concentrations

Scottish Government. (2021b). Cleaner Air for Scotland 2 - Towards a Better Place for Everyone

Scottish Government. (2023). National Planning Framework 4

Scottish Government. (2024). Local Air Quality Management Policy Guidance 2024

Scottish Government. (2025). Soil Maps

Statutory Instrument. (1995). c. 25, 'Environment Act 1995'. London: HMSO

Statutory Instrument. (2021). c. 30, 'Environment Act 2021'. London: HMSO

Statutory Instrument. (2022). c. 1273, 'Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022'. London: HMSO

15.10 Chapter 10: Noise

British Standards Institute (BSI) (1997). British Standard 4142 Method for Rating Industrial Noise Affecting Mixed Residential and Industrial Areas

British Standards Institute (BSI) (2003). British Standard 7445: Part 1:2003 Description and Measurement of Environmental Noise. Guide to Quantities and Procedures

British Standards Institute (BSI) (2013). BS EN 61672-1:2013 - Electroacoustics. Sound level meters – Specifications

British Standards Institute (BSI) (2019). British Standard 4142:2014 + A1:2019 Methods for Rating and Assessing Industrial and Commercial Sound

Department for Transport Welsh Office (1988). The Calculation of Road Traffic Noise (CRTN) Fife Council (2017). FIFEplan: Local Development Plan for Fife. Fife Council, Adopted September 2017

Fife Council (2017). Planning Policy for Development and Noise. Fife Council, Non-Statutory Planning Guidance

Her Majesties Stationary Office (HMSO) (1974). The Control of Pollution Act 1974

Her Majesties Stationary Office (HMSO) (1990). Environmental Protection Act 1990 (as amended)

Local Government and Housing Directorate (LGHD) (2023). The National Planning Framework 4

Scottish Government (2011). Planning Advice Note (PAN) 1/2011: Planning and Noise. Scottish Government, Edinburgh

Standards for Highways (2020). Design Manual for Roads and Bridges, LA 111, Noise and Vibration Revision 2

University of Salford (2011). Procedure For the Assessment of Low Frequency Noise Complaints Revision 1 NANR45

15.11 Chapter 11: Major Accidents and Disaster

British Geological Survey (no date) Seismic Hazard in the UK. Available at: <https://www.earthquakes.bgs.ac.uk/hazard/UKhazard.html> (Accessed: 24 February 2026)

Fairhurst (2025), Flood Risk Assessment for Westfield Substation Extension, Prepared for Scottish Power Energy Networks

RSK Environment Ltd (2024) Phase 1 Desk Study: Proposed 400kV upgrade extension – Westfield, B9097, Lochgelly KY5 0HQ. Report reference 355658-R03(00). Prepared for SP Energy Networks, April 2024

EMA (2020) Major Accidents and Disasters in EIA: A Primer. Available at [https://www.iema.net/media/brbdeibt/j27374_iema_major_accidents__disasters_final 1.pdf](https://www.iema.net/media/brbdeibt/j27374_iema_major_accidents__disasters_final%201.pdf)

Health and Safety Executive (2015) COMAH 2015 Public Information. Available at COMAH 2015

15.12 Chapter 12: Cumulative and Interactive Effects

Nationally Significant Infrastructure Projects: Advice on Cumulative Effects Assessment (PINS, 2024)

Planning Advice Note 1/2013: Environmental Impact Assessment (Scottish Government, 2013)

Planning Circular 1/2017: Environmental Impact Assessment Regulations (Scottish Government, 2017)

EIA Handbook v5 (Scottish Natural Heritage and Historic Environment Scotland, 2018)

15.13 Chapter 13: Schedule of Mitigation and Monitoring

None.

15.14 Chapter 14: Summary of Effects

None.