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Caledonia Offshore Wind Farm

Environmental Impact Assessment Report Guide

Caledonia Offshore Wind Farm Ltd



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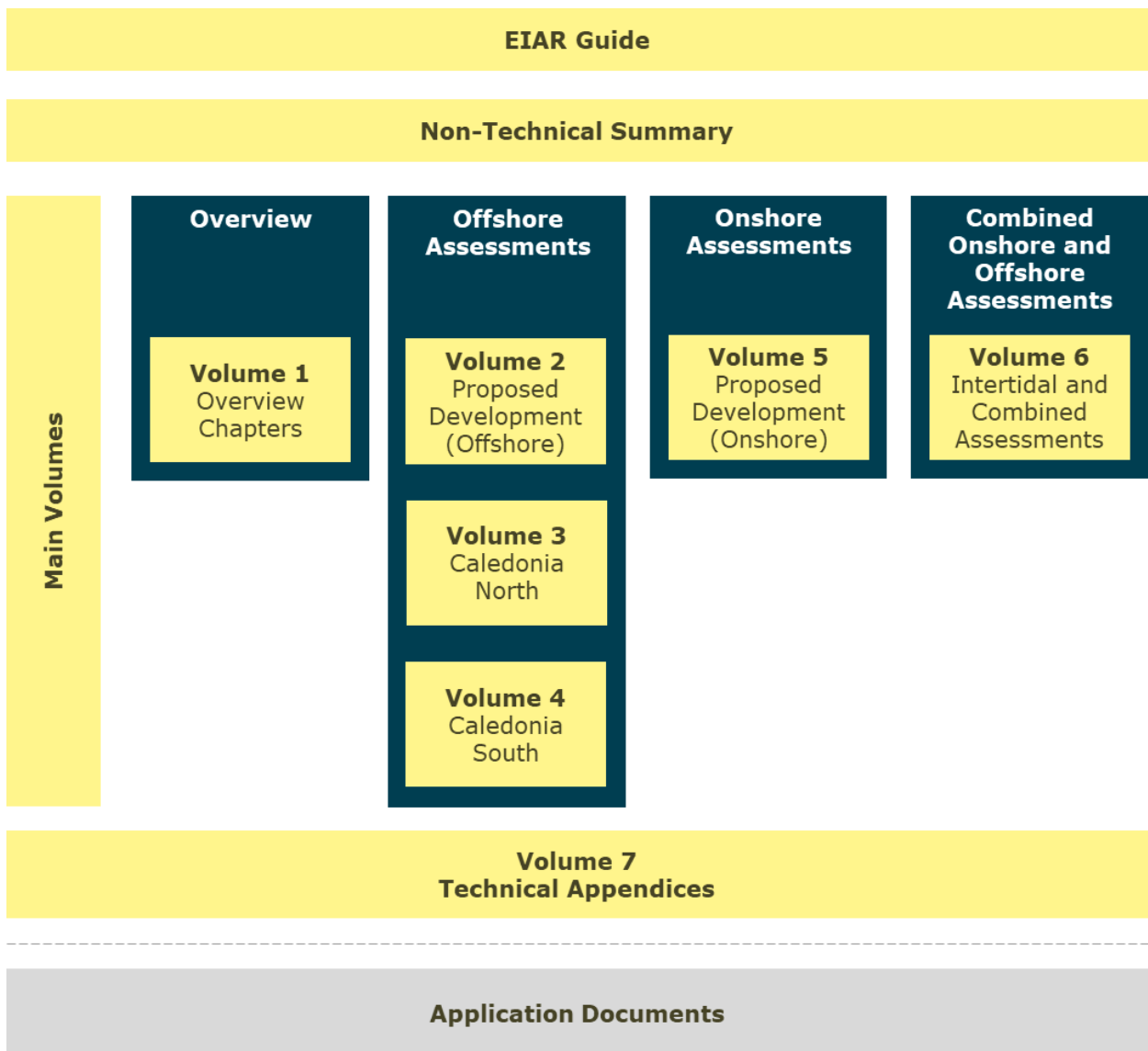
Environmental Impact Assessment Report Guide

This document acts as a guide to support navigation of the Caledonia Offshore Wind Farm Environmental Impact Assessment Report (EIAR) and associated Application Documents.

The EIAR structure is linked to the consenting approach for the Proposed Development (see EIAR Volume 1, Chapter 1: Overview Chapters for further information). The Proposed Development (Offshore) comprises two standalone application areas: Caledonia North and Caledonia South and the EIAR structure has been developed to allow each of these offshore application areas to be considered standalone. The assessment considers up to 77 Wind Turbine Generators (WTGs) in Caledonia North and up to 78 WTG in Caledonia South, however the total WTGs of the Proposed Development (Offshore) will not exceed 140 WTGs hence the reason for structuring the EIAR to allow each development scenario to be considered separately.

The EIA Chapters relating only to the Proposed Development (Onshore) Planning Permission in Principle (PPP) are presented in their own Volume as are the combined onshore and offshore assessments.

The structure of the EIAR is illustrated in the figure below.



EIAR Main Volumes and Supporting Appendices

Each of the EIAR Main Volumes and their respective Chapters are shown below. Supporting Volume 7 Technical Appendices are listed alongside the relevant Main Volume Chapters.



Volume 2 continued

Chapter 6. Offshore Ornithology

- Volume 7B, 6-1 Offshore Ornithology Baseline Characterisation Report*
- Volume 7B, 6-2 Offshore Ornithology Distributional Responses Technical Report*
- Volume 7B, 6-3 Offshore Ornithology Collision Risk Modelling Technical Report*
- Volume 7B, 6-4 Population Viability Analysis*
- Volume 7B, 6-5 Migratory Collision Risk Modelling Technical Report*
- Volume 7B, 6-6 Offshore Ornithology Consultation Agreement Log*

Chapter 7. Marine Mammals

- Volume 7B, 7-1 Marine Mammals Baseline Characterisation*
- Volume 7B, 7-2 Marine Mammals Underwater Noise Assessment Methodology*
- Volume 7B, 7-3 Marine Mammals Piling Results (Auditory Injury and Disturbance)*
- Volume 7B, 7-4 Marine Mammals Population Modelling (iPCoD)

Chapter 8. Commercial Fisheries

- Volume 7B, 8-1 Commercial Fisheries Technical Report*

Chapter 9. Shipping and Navigation

- Volume 7B, 9-1 Navigation Risk Assessment*

Chapter 10. Marine Archaeology and Cultural Heritage

- Volume 7B, 10-1 Marine Archaeology Technical Report*

Chapter 11. Military and Civil Aviation

- Volume 7B, 11-1 Airspace Analysis and Radar Modelling*

Chapter 12. Seascape, Landscape and Visual Impact Assessment

- Volume 7B, 12-1 Night Time assessment
- Volume 7B, 12-2 Seascape, Landscape and Visual Impact Assessment Figures
- Volume 7B, 12-3 Seascape, Landscape and Visual Impact Assessment Visualisations
- Volume 7B, 12-4 Seascape, Landscape and Visual Impact Assessment Visualisations (The Highland Council)
- Volume 7B, 12-5 Seascape, Landscape and Visual Impact Assessment Methodology*
- Volume 7B, 12-6 Visibility Frequency and Range

Chapter 13. Other Human Activities

- Volume 7B, 13-1 Major Accidents and Disasters*

Chapter 14. Summary and Conclusions

*Note: Volume 2 Technical Appendices marked with an * are relevant to the Proposed Development (Offshore) as well as the standalone Caledonia North and Caledonia South assessments in Volume 3 and 4 respectively.*

Volume 3
Caledonia
North

Supported by
Volume 7C
appendices

- **Chapter 1. Introduction**
- **Chapter 2. Marine and Coastal Processes**
- **Chapter 3. Marine Water and Sediment Quality**
 - Volume 7C, 3-1 Marine Water Quality Baseline
 - Volume 7C, 3-2 Sediment Quality Baseline
 - Volume 7C, 3-3 Sediment Contamination Baseline
- **Chapter 4. Benthic Subtidal and Intertidal Ecology**
- **Chapter 5. Fish and Shellfish Ecology**
- **Chapter 6. Offshore Ornithology**
- **Chapter 7. Marine Mammals**
 - Volume 7C, 7-1 Marine Mammals Population Modelling (iPCoD)
- **Chapter 8. Commercial Fisheries**
- **Chapter 9. Shipping and Navigation**
- **Chapter 10. Marine Archaeology and Cultural Heritage**
- **Chapter 11. Military and Civil Aviation**
- **Chapter 12. Seascape, Landscape and Visual Impact Assessment**
 - Volume 7C, 12-1 Night Time Assessment
 - Volume 7C, 12-2 Seascape, Landscape and Visual Impact Assessment Figures
 - Volume 7C, 12-3 Seascape, Landscape and Visual Impact Assessment Visualisations
 - Volume 7C, 12-4 Seascape, Landscape and Visual Impact Assessment Visualisations (The Highland Council)
- **Chapter 13. Other Human Activities**
- **Chapter 14. Summary and Conclusions**

Volume 4
Caledonia
South

Supported by
Volume 7D
appendices

- **Chapter 1. Introduction**
- **Chapter 2. Marine and Coastal Processes**
- **Chapter 3. Marine Water and Sediment Quality**
 - Volume 7D, 3-1 Marine Water Quality Baseline
 - Volume 7D, 3-2 Sediment Quality Baseline
 - Volume 7D, 3-3 Sediment Contamination Baseline
- **Chapter 4. Benthic Subtidal and Intertidal Ecology**
- **Chapter 5. Fish and Shellfish Ecology**
- **Chapter 6. Offshore Ornithology**
- **Chapter 7. Marine Mammals**
 - Volume 7D, 7-1 Marine Mammals Population Modelling (iPCoD)
- **Chapter 8. Commercial Fisheries**
- **Chapter 9. Shipping and Navigation**
- **Chapter 10. Marine Archaeology and Cultural Heritage**
- **Chapter 11. Military and Civil Aviation**
- **Chapter 12. Seascape, Landscape and Visual Impact Assessment**
 - Volume 7D, 12-1 Night Time Assessment
 - Volume 7D, 12-2 Seascape, Landscape and Visual Impact Assessment Figures
 - Volume 7D, 12-3 Seascape, Landscape and Visual Impact Assessment Visualisations
 - Volume 7D, 12-4 Seascape, Landscape and Visual Impact Assessment Visualisations (The Highland Council)
- **Chapter 13. Other Human Activities**
- **Chapter 14. Summary and Conclusions**

Volume 5
Proposed
Development
(Onshore)

Supported by
Volume 7E
appendices

Chapter 1. Introduction

Chapter 2. Land Use

Chapter 3. Terrestrial Ecology and Biodiversity

- Volume 7E, 3-1 Biodiversity Enhancement Report
- Volume 7E, 3-2 Badger Survey Report and Impact Assessment - CONFIDENTIAL
- Volume 7E, 3-3 Bats Survey Report
- Volume 7E, 3-4 Breeding Bird Survey Report
- Volume 7E, 3-5 Fish and Fresh Water Pearl Mussel
- Volume 7E, 3-6 Otter and Water Vole Survey Report
- Volume 7E, 3-7 Wintering Bird Survey Report

Chapter 4. Landscape and Visual

- Volume 7E, 4-1 Landscape and Visual Impact Assessment Methodology
- Volume 7E, 4-2 Landscape and Visual Figures
- Volume 7E, 4-3 Landscape and Visual Visualisations

Chapter 5. Terrestrial Archaeology and Cultural Heritage

- Volume 7E, 5-1 Historic Environment Desk-based Assessment
- Volume 7E, 5-2 Cultural Heritage Policy Tests
- Volume 7E, 5-3 Terrestrial Archaeology and Cultural Heritage Visualisations
- Volume 7E, 5-4 Setting Assessment of the Proposed Development (Offshore)

Chapter 6. Hydrology and Hydrogeology

- Volume 7E, 6-1 Assessment of Value
- Volume 7E, 6-2 Groundwater-Dependent Terrestrial Ecosystems Assessment
- Volume 7E, 6-3 Private Water Supply Assessment
- Volume 7E, 6-4 Watercourse Crossing Inventory
- Volume 7E, 6-5 Consultation Summary
- Volume 7E, 6-6 Hydrology and Hydrogeology Figures

Chapter 7. Geology, Soils and Contaminated Land

- Volume 7E, 7-1 Geo-Environmental Preliminary Risk Assessment
- Volume 7E, 7-2 Peat Survey Reports
- Volume 7E, 7-3 Geology, Soils and Contaminated Land Figures
- Volume 7E, 7-4 Consultation Summary

Chapter 8. Airborne Noise and Vibration

- Volume 7E, 8-1 Summaries of Relevant Policy and Guidance
- Volume 7E, 8-2 Summary of Noise Consultation
- Volume 7E, 8-3 Baseline Survey Method and Results
- Volume 7E, 8-4 Method of Assessment
- Volume 7E, 8-5 Evaluation of Construction Phase Noise Levels
- Volume 7E, 8-6 Operational Phase - Results

Chapter 9. Traffic and Transport

- Volume 7E, 9-1 Traffic Survey Report
- Volume 7E, 9-2 Outline Construction Traffic Management Plan
- Volume 7E, 9-3 Traffic and Transport Tables and Supporting Data

Chapter 10. Summary and Conclusions

Volume 6
Intertidal and
Combined
Assessments

Supported by
Volume 7F
appendices

- Chapter 1. Introduction**
- Chapter 2. Socio-Economics, Tourism and Recreation**
Volume 7F, 2-1 Socio-economics Technical Report
- Chapter 3. Climate Change Resilience**
Volume 7F, 3-1 Climate Change Resilience Assessment
Volume 7F, 3-2 In-combination Climate Change Impacts
Volume 7F, 3-3 Climate Change Policy
- Chapter 4. Greenhouse Gases**
Volume 7F, 4-1 Greenhouse Gases
- Chapter 5. Intertidal Assessment**
- Chapter 6. Summary and Conclusions**

EIAR Standalone Appendices

Volume 7
Standalone
Appendices

- Appendix 1 Onshore Scoping Report**
- Appendix 2 Offshore Scoping Report**
- Appendix 3 Offshore Scoping Opinion**
- Appendix 4 Onshore Scoping Opinion**
- Appendix 5 Offshore Scoping Validation Report**
- Appendix 6 Underwater Noise Assessment**
- Appendix 7 Proposed Development (Onshore) Schedule of Mitigation**
- Appendix 8 Caledonia North Schedule of Mitigation**
- Appendix 9 Caledonia South Schedule of Mitigation**
- Appendix 10 Outline Construction Environment Management Plan**
- Appendix 11 Caledonia North Outline Offshore Environmental Management Plan**
- Appendix 12 Caledonia South Outline Offshore Environmental Management Plan**
- Appendix 13 Caledonia North Draft Marine Mammal Mitigation Protocol**
- Appendix 14 Caledonia South Draft Marine Mammal Mitigation Protocol**
- Appendix 15 Caledonia North Outline Offshore Decommissioning Plan**
- Appendix 16 Caledonia South Outline Offshore Decommissioning Plan**
- Appendix 17 Caledonia North Outline Fisheries Management and Mitigation Strategy**
- Appendix 18 Caledonia South Outline Fisheries Management and Mitigation Strategy**
- Appendix 19 Caledonia OWF Digital Survey Aerial Report**

Application Documents

The following "Application Documents" do not form part of the EIAR but are related to key environmental planning considerations.

Application Documents

1. Pre-Application Consultation Report
2. Design and Access Statement
3. Onshore Planning Statement
4. Caledonia North Planning Statement
5. Caledonia South Planning Statement
6. Outline Drainage Impact Assessment
7. Outline Peat Management Plan
8. Outline Habitat Management Plan
9. Marine Protected Area Assessment
10. Proposed Development (Onshore) Habitat Regulations Appraisal Stage 1 Screening Report
11. Proposed Development (Onshore) Report to Inform Appropriate Assessment
12. Proposed Development (Offshore) Habitat Regulations Appraisal Stage 1 Screening Report
13. Caledonia North Report to Inform Appropriate Assessment
14. Caledonia South Report to Inform Appropriate Assessment
15. Caledonia North Habitats Regulations Appraisal Derogation Case
16. Caledonia South Habitats Regulations Appraisal Derogation Case



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