

CONTENTS

SECTION 1: Introductory Chapters

Chapter 1: Introduction
Chapter 2: Approach to the Environmental Impact Assessment
Chapter 3: Project Description and Construction Methods
Chapter 4: Design Evolution
Chapter 5: Renewable Energy and Planning Policy

SECTION 2: Biological Environment

Chapter 8: Ornithology
Chapter 9: Ecology

SECTION 3: Physical Environment

Chapter 6: Landscape and Visual
Chapter 7: Cultural Heritage and Archaeology
Chapter 12: Hydrology, Geology and Hydrogeology

SECTION 4: Human Health and Population

Chapter 10: Noise
Chapter 11: Traffic and Transport
Chapter 13: Infrastructure, Aviation, Safety and Shadow Flicker
Chapter 14: Socio-Economic Statement

SECTION 5: Mitigation

Chapter 15: Schedule of Mitigation

CONTENTS

1 INTRODUCTION	1-1
Introduction	1-1
Planning History	1-3
The Proposed Development	1-3
Background to the Environmental Impact Assessment Report (EIA Report)	1-4
Structure of the EIA Report	1-4
Contact for Further Information and Commenting	1-4
2 APPROACH TO THE ENVIRONMENTAL IMPACT ASSESSMENT	2-1
Introduction	2-1
EIA Process.....	2-1
Approach to Technical Studies Undertaken.....	2-2
Structure of EIA Report Technical Chapters.....	2-2
3 PROJECT DESCRIPTION AND CONSTRUCTION METHODS	3-1
Introduction	3-1
The Site and Its Surroundings	3-1
Description of Proposed Development	3-2
Construction Methodology and Programme	3-4
Anticipated Construction Programme and Timescales	3-4
Construction Works.....	3-5
Wind Farm Operation.....	3-14
4 DESIGN EVOLUTION	4-1
Introduction	4-1
Design Strategy.....	4-1
Site Selection Methodology and Alternatives	4-1
<i>First Iteration (Scoping Layout)</i>	4-4
<i>Second Iteration (Post-Scoping Layout)</i>	4-4
<i>Third Iteration (Proposed Development Layout)</i>	4-5
Summary of Design Evolution.....	4-5
5 RENEWABLE ENERGY AND PLANNING POLICY	5-1
Introduction	5-1
Planning Policy	5-2
Material Considerations.....	5-11
Summary	5-19

6	LANDSCAPE AND VISUAL	6-1
Introduction		6-1
The Proposed Development		6-2
Legislation, Policy, and Guidance		6-3
Consultation		6-5
Methodology.....		6-11
Baseline		6-16
Assessment of Potential Effects.....		6-30
Mitigation		6-70
Assessment of Residual Effects.....		6-72
Assessment of Cumulative Effects		6-72
Summary		6-81
7	CULTURAL HERITAGE AND ARCHAEOLOGY	7-1
Introduction		7-1
Legislation and Policy Context		7-1
Scoping and Consultation.....		7-2
Methodology.....		7-5
Assessment Methodology.....		7-6
Baseline Conditions		7-9
Assessment of Effects		7-13
Decommissioning Phase		7-22
Cumulative Effects		7-22
Mitigation Measures		7-25
Residual Effects		7-25
Summary of Effects.....		7-26
8	ORNITHOLOGY	8-1
Non-Technical Summary.....		8-1
Introduction		8-1
Scope of Assessment.....		8-2
Policy, Legislation and Guidance		8-2
Methodology.....		8-3
Baseline Conditions		8-10
Assessment of Effects		8-18
Mitigation.....		8-40
References.....		8-41
9	ECOLOGY	9-3
Non-Technical Summary.....		9-3
Introduction		9-4
Scope of Assessment		9-4
Policy, Legislation and Guidance		9-5
Methodology.....		9-7
Baseline Conditions		9-15
Assessment of Effects		9-20
Mitigation		9-26
References.....		9-29

10 NOISE	10-1
Introduction	10-1
Legislation & Policy Context	10-1
Stakeholder Consultation	10-2
Assessment Methodology & Significance Criteria	10-3
Baseline Conditions	10-9
Identification & Evaluation of Key Impacts	10-10
Cumulative Effects & Interaction of Effects	10-13
Mitigation Measures	10-14
Residual Effects	10-14
Summary	10-15
 11 TRAFFIC AND TRANSPORTATION	 11-1
Introduction.....	11-1
Legislation and Policy Context	11-1
Scope of Assessment.....	11-4
Potential Effects Scoped Out.....	11-5
Assessment Methodology & Significance Criteria Assessment of.....	11-6
Effects	11-6
Assessment of Significance	11-8
Baseline Conditions	11-10
Baseline Traffic Flows	11-11
Road Safety	11-12
The 'Do Nothing' Scenario	11-13
Identification and Evaluation of Key Effects.....	11-13
Cumulative Impacts and Interaction of Effects	11-24
Residual Effects.....	11-28
Summary	11-29
References	11-30
Non-Technical Summary	11-31
 12 HYDROLOGY, GEOLOGY AND HYDROGEOLOGY	 12-3
Introduction	12-3
Legislation and Policy Context	12-4
Scoping and Consultation	12-8
Extent of the Study Area	12-11
Assessment Methodology and Significance criteria	12-11
Methodology	12-12
Limitations of the Assessment	12-19
Baseline Conditions.....	12-19
Future Baseline	12-35
Issues Scoped Out.....	12-36
Receptor Sensitivity	12-36
Potential Effects.....	12-38
Residual Effects & Additional Mitigation Measures	12-53
Cumulative Effects and Interaction of Effects	12-53
Summary	12-54

13 INFRASTRUCTURE AND HUMAN HEALTH	13-1
Introduction	13-1
Legislation, Policy and Guidance	13-1
Planning Policy	13-2
Consultation	13-3
Assessment Methodology and Significance Criteria	13-3
Baseline Conditions	13-4
Identification and Key Evaluation of Impacts	13-7
Cumulative Effects and Interaction of Effects	13-9
Mitigation Measures	13-9
Residual Effects	13-11
Summary	13-11
14 SOCIO-ECONOMIC STATEMENT	14-1
Executive Summary	14-1
Statement of Competence	14-2
Scope of the Assessment	14-2
Economic Policy	14-3
Socio-Economic Benefits	14-5
Local Benefits	14-9
Summary	14-13
15 SCHEDULE OF MITIGATION	15-1
Introduction.....	15-1