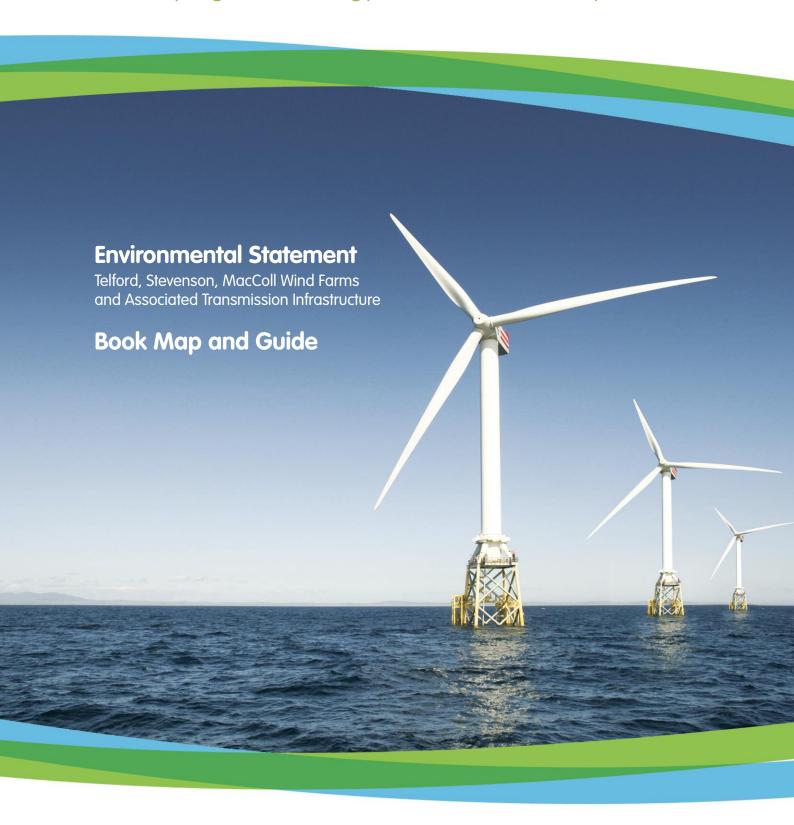
moray offshore renewables Itd

Developing Wind Energy In The Outer Moray Firth







Introduction

The Environmental Statement (ES) is presented in 11 Volumes comprising 5 Sections and supporting Appendices. The structure is described graphically in the following Book Map

Volume 1 is a stand alone Non Technical Summary which gives an overview of the Project and the predicted environmental effects.

Volume 2 contains details of the proposed Project (Section 1) and a Description of the Environment (Section 2). The start of Volume 2 also contains the Preface to the ES which includes a Glossary of Technical Terminology, a List of Acronyms and Abbreviations and Lists of all Plates and Figures which are referred to in the ES.

The Offshore Generating Station Impact Assessment (Section 3) is within Volume 3, the Transmission Infrastructure Impact Assessment (Section 4) is within Volume 4 and the Whole Project and Cumulative Impact Assessments (Section 5) are contained in Volume 5. Blue dividers mark the start of each of these sections. Each of the chapters in Sections 2 to 5 are subdivided into receptors belonging to the Physical Environment, Biological Environment or the Human Environment. Green dividers show where each of these subdivisions start.



The supporting charts, illustrations, and diagrams for Volumes 2 to 5 are referred to as "Figures" and are contained in Volume 6 which is divided into Parts a and b. The Figures are grouped by the individual Environmental Impact Assessment (EIA) disciplines as shown on the Book Map (on the following pages) and are indicated by the green dividers.

Volume 7 contains the Seascape, Landscape and Visual Impact Assessment (SLVIA) figures and photomontages which support the SLVIA chapters in the ES. These figures are divided into four sections: Baseline, Impact Assessment, Onshore Transmission Infrastructure and Cumulative Assessment as indicated by the green dividers.

It is necessary to have Volumes 6 and 7 to hand while reading Volumes 2 to 5. The document has been structured in this way in order to present the narrative and the large A3 graphics in support of each other. This allows the reader to review both simultaneously. Where illustrations and diagrams etc. are embedded within the text, they are referred to as "Plates" and are used where possible to enhance the flow of the narrative.

Volumes 8 to 11 contain the Technical Appendices. This includes all of the research, studies, surveys, detailed analysis and data which underpins the ES. Volume 8 contains the Appendices that relate to the Project described in Section 1 of the ES. Volume 9 has the appendices that relate to the Physical Environment, Volume 10 relates to the Biological Environment and Volume 11 contains the appendices relating to the Human Environment. Due to its size, Volume 10 is presented in three parts.

The complete structure is illustrated on the Book Map overleaf which serves as an overall guide to the ES. Each Volume has its own Book Map printed on the inside cover of the binder showing the structure of the content included therein.

The electronic version of the document is presented in the same directory structure as the printed copy in accordance with the Book Map.

Book Map Volumes 1 - 5





Book Map Volumes 6 - 11



ES VOLUME 10	Intertidal Ecology
PART 1 OF 3. TECHNICAL APPENDICES - BIOLOGICAL ENVIRONMENT	Appendix 4.6 A - Intertidal Benthic Ecological Characterisation Survey
Benthic Ecology	Terrestrial Ecology
Appendix 4.2 A - Benthic Ecology Characterisation Survey (Wind Farm Sites)	Appendix 4.7 A - Terrestrial Ecology Technical Report
Appendix 4.2 B - Benthic Ecology Characterisation Survey (Transmission Infrastructure)	ES VOLUME 11
Fish and Shellfish Ecology	TECHNICAL APPENDICES - HUMAN ENVIRONMENT
Appendix 4.3 A - Fish and Shellfish Ecology Technical Report	Commercial Fisheries Appendix 5.1 A - Commercial Fisheries Technical Report
Appendix 4.3 B - Salmon, Sea Trout and	
Fisheries Technical Report	Shipping and Navigation
Appendix 4.3 C - Sandeel Survey Report	Appendix 5.2 A - Hazard Log
Appendix 4.3 D - Electromagnetic Fields Modelling	Appendix 5.2 B - Consequences Assessment
_	Appendix 5.2 C - MCA MGN 371 Checklist
ES VOLUME 10 PART 2 OF 3. TECHNICAL APPENDICES -	Appendix 5.2 D - Navigational Risk Assessment (Wind Farm Sites)
BIOLOGICAL ENVIRONMENT	Appendix 5.2 E - Navigational Risk Assessment (OfTI)
Marine Mammals	Military and Civil Aviation
Appendix 4.4 A - Marine Mammals Baseline	Appendix 5.3 A - Initial Aviation Assessment
Appendix 7.3 A - Marine Mammals Environmental	Appendix 5.3 B - Helicopter Impact Assessment
Impact Assessment	Appendix 5.3 C - Radar Propogation Modelling
Appendix 7.3 B - Framework for assessing the impacts of pile-driving noise from offshore wind farm	Seascape, Landscape and Visual Receptors
construction on Moray Firth harbour seal populations	Appendix 5.4 A - SLVIA Methodology
Appendix 7.3 C - MORL SAFESIMM noise impact assessment for seals and cetaceans	Appendix 5.4 B - Met Office Meterological Data
Appendix 7.3 D - A comparison of behavioural	Appendix 5.4 C - SLVIA Secondary Assessments
responses by harbour porpoises and bottlenose dolphins to noise: Implications for wind farm risk	Archaeology and Visual Receptors
assessments	Appendix 5.5 A - Archaeology Technical Report
Appendix 7.3 E - Identification of appropriate noise exposure criteria for assessing auditory injury for Pinnipeds using offshore wind farm sites.	Socio-Economics, Recreation and Tourism
Appendix 7.3 F - Noise propagation and SAFESIMM	Appendix 5.6 A - Socio-economic Technical Report
model outputs for marine mammal risk assessment	Traffic and Transport
Appendix 7.3 G - Habitat Regulations Appraisal: Marine Mammals	Appendix 5.7A - Consultee Responses
Appendix 7.3 H - EPS Assessment:	Appendix 5.7B - Traffic Flow Data
Supplementary Information	Appendix 5.7C - Future Traffic Baseline
ES VOLUME 10	Other Human Activities
PART 3 OF 3. TECHNICAL APPENDICES -	Appendix 5.8 A - UXO Threat and Risk Assessment
BIOLOGICAL ENVIRONMENT	CONFIDENTIAL APPENDIX
Ornithology	Appendix 4.7B - Terrestrial Ecology
Appendix 4.5 A - Ornithology Baseline and Impact Assessment	
Appendix 4.5 B - Aerial Ornithology Surveys for	
the Moray Firth Zone, Summer 2011	
Appendix 4.5 C - Seabird Tracking and Modelling Report	

Moray Offshore Renewables EDPR UK 40 Princes Street Edinburgh EH2 2BY





 $Email\ info@moray offshorer enewables. co.uk$

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