

Welsh Government

M4 Corridor around Newport

Environmental Statement Volume 3:
Appendix 5.3

Requirements of EIA Legislation

M4CaN-DJV-EGN-ZG_GEN-AX-EN-0009

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Appendix 5.3: Requirements of the EIA Directive

Table 1: Requirements of the Directive 2011/92/EU (Annex IV)

Annex IV Requirement and Location within the ES
<p>1. Description of the project Chapter 1 provides details of the Scheme location. Chapter 2 provides details of the Scheme, including its main characteristics. Chapter 3 provides details of the construction of the Scheme. Further details of the use of resources are provided within topic chapters (particularly Chapters 10, 11, 15 and 16 relating to water, land, soil and biodiversity). Materials used are set out within Chapter 12. Further details of residues and emissions are provided within topic chapters (particularly Chapters 7, 9, 11, 13 and 16 relating to water, air, soil, noise, vibration, light). Heat and radiation are not considered relevant to the Scheme.</p>
<p>2. A description of the main alternatives studied by the developer Chapter 4 provides details of the alternatives considered.</p>
<p>3. A description of the aspects of the state of the environment likely to be significantly affected by the project:</p> <ul style="list-style-type: none"> • Population: Chapters 7, 9, 11, 13, 14 and 15 include details of effects on the population/human beings (in terms of air quality, visual effects, contamination, noise and vibration, transport/rights of way, agriculture and community/private assets). Chapter 17 considers the potential for cumulative effects and inter-relationships between topic areas. • Fauna and flora: Chapter 10. • Soil: Chapters 11 (contamination) and 15 (agriculture). • Water: Chapter 16. • Air: Chapter 7. • Climatic factors: Chapter 2 of the ES sets out details of the Scheme, including details of its adaptation to climate change. Chapter 7 of the ES includes consideration of the effects of greenhouse gases. All topic chapters (Chapters 7-16) include consideration of future changes to baseline conditions, including climate change. • Material Assets: Chapters 8 (cultural heritage) and 15 (community/private assets). • Heritage: Chapter 8. • Landscape: Chapter 9 • Inter-relationships: Chapter 17
<p>4. A description of the likely significant effects of the project Chapters 7-17 of the ES consider the likely significant effects of the Scheme (see Item 4 above). Cumulative effects are considered in Chapter 17.</p>
<p>5. A description of the forecasting methods or evidence used to identify and assess the significant effects on the environment Chapter 5 of the ES includes details of the overall approach to assessment. Each topic chapter (Chapters 7-16 of the ES) includes details of the topic specific methods used.</p>
<p>6. A description of the measures envisaged to prevent, reduce and where possible, offset any identified significant adverse effects on the environment Mitigation and monitoring measures are set out in each topic chapter of the ES (Chapters 7-16). Key measures are summarised in Chapters 2 and 3.</p>

Annex IV Requirement and Location within the ES
<p>7. A non-technical summary of the information provided under points 1 to 6. A non-technical summary of the ES is provided as part of the ES and is available separately.</p>
<p>8. An indication of any difficulties encountered See Chapter 5</p>

Table 2: Requirements of the Directive 2014/52/EU (Annex IV)

Annex IV Requirement and Location within the ES
<p>1. Description of the project Chapter 1 provides details of the Scheme location. Chapter 2 provides details of the Scheme, including its main characteristics. Chapter 3 provides details of the construction of the Scheme. Further details of the use of resources are provided within topic chapters (particularly Chapters 10, 11, 15 and 16 relating to water, land, soil and biodiversity). Materials used are set out within Chapter 12. Further details of residues and emissions are provided within topic chapters (particularly Chapters 7, 9, 11, 13 and 16 relating to water, air, soil, noise, vibration, light). Heat and radiation are not considered relevant to the Scheme.</p>
<p>2. A description of the reasonable alternatives studied by the developer Chapter 4 provides details of the alternatives considered.</p>
<p>3. A description of the relevant aspects of the state of the environment and outline of likely evolution thereof without implementation of the project: Each topic chapter (Chapters 7-16) provides details of the current baseline conditions and the likely evolution of the baseline in the absence of the Scheme.</p>
<p>4. A description of the factors likely to be significantly affected by the project:</p> <ul style="list-style-type: none"> • Population: Chapters 7, 9, 11, 13, 14 and 15 include details of effects on the population/human beings (in terms of air quality, visual effects, contamination, noise and vibration, transport/rights of way, agriculture and community/private assets). Chapter 17 considers the potential for cumulative effects and inter-relationships between topic areas. • Human health: Chapters 7, 11, 13 and 17 include details of effects on aspects of human health, including air quality, contamination, noise and vibration and cumulative effects. HIA included at Appendix 5.4. • Biodiversity: Chapter 10. • Land: Chapters 11 (land quality) and 15 (land use). • Soil: Chapters 11 (contamination) and 15 (agriculture). • Water: Chapter 16. • Air: Chapter 7. • Climate: Chapter 2 of the ES sets out details of the Scheme, including details of its adaptation to climate change. Chapter 7 of the ES includes consideration of the effects of greenhouse gases. All topic chapters (Chapters 7-16) include consideration of future changes to baseline conditions, including climate change. • Material Assets: Chapters 8 (cultural heritage) and 15 (community/private assets). • Cultural Heritage: Chapter 8. • Landscape: Chapter 9

Annex IV Requirement and Location within the ES

5. A description of the likely significant effects of the project

Chapters 7-17 of the ES consider the likely significant effects of the Scheme (see Item 4 above). Cumulative effects are considered in Chapter 17.

6. A description of the forecasting methods or evidence used to identify and assess the significant effects on the environment

Chapter 5 of the ES includes details of the overall approach to assessment. Each topic chapter (Chapters 7-16 of the ES) includes details of the topic specific methods used.

7. A description of the measures envisaged to avoid, prevent or reduce or, if possible, offset any identified significant adverse effects on the environment and, where appropriate, of any proposed monitoring arrangements

Mitigation and monitoring measures are set out in each topic chapter of the ES (Chapters 7-16). Key measures are summarised in Chapters 2 and 3.

8. A description of the expected significant adverse effects of the project deriving from vulnerability of the project to risks of major accidents and/or disasters

Risks related to accidents and/or disasters (such as flooding) are set out in each topic chapter of the ES (Chapters 7-16), together with measures proposed to reduce this risk. Key measures are summarised in Chapters 2 and 3.

9. A non-technical summary of the information provided under points 1 to 8.

A non-technical summary of the ES is provided as part of the ES and is available separately.

10. A reference list detailing the sources used for the descriptions and assessments included in the report

References are provided in Chapter 20.