



Fosse Green Energy

EN010154

6.3 Environmental Statement Appendices

Appendix 13-C: Traffic and Transport Significance
Assessment Summary

VOLUME

6

Planning Act 2008 (as amended)

Regulation 5(2)(a)

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009 (as
amended)

18 July 2025

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulation 2009 (as amended)

Fosse Green Energy Development Consent Order 202[]

6.3 Environmental Statement Appendices

Appendix 13-C: Traffic and Transport Significance Assessment Summary

Regulation Reference	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	EN010154
Application Document Reference	EN010154/APP/6.3
Author	Fosse Green Energy Limited

Version	Date	Issue Purpose
Rev 1	18 July 2025	DCO Submission

Contents

1. Significance Assessment Summary	1
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Tables

Table 1 Significance Criteria	1
Table 2 Significance Assessment Summary	3

1. Significance Assessment Summary

- 1.1.1 As detailed in **Chapter 13: Traffic and Transport** of the ES [EN010154/APP/6.1], an Environmental Impact Assessment (EIA) has been carried out for receptors within the DCO Site Boundary of the Proposed Development.
- 1.1.2 Impacts on road links and road junctions during the construction and decommissioning of the Proposed Development have been determined for the following categories:
- a. Severance of communities;
 - b. Pedestrian delay (incorporating delay to all non-motorised users);
 - c. Non-motorised user amenity;
 - d. Fear and Intimidation on and by road users;
 - e. Road vehicle driver and passenger delay;
 - f. Road user and pedestrian safety; and
 - g. Hazardous/large loads
- 1.1.3 Impacts on PRow receptors during the construction and decommissioning of the Proposed Development have been determined for the following categories:
- a. Severance;
 - b. Pedestrian delay;
 - c. Pedestrian and cyclist amenity; and
 - d. Fear and intimidation.
- 1.1.4 As set out in **Chapter 5: EIA Methodology** of the ES [EN010154/APP/6.1] the significance of effect is determined through the consideration of two elements: the sensitivity of the receptor the magnitude of the impact. **Table 1** below shows the matrix that has been used to determine the effect category. Effects which are classified as major or moderate are considered to be significant:

Table 1 Significance Criteria

Sensitivity or Value of Resource / Receptor	Magnitude of impact			
	High	Medium	Low	Very Low
High	Major	Major	Moderate	Minor
Medium	Major	Moderate	Minor	Negligible
Low	Moderate	Minor	Negligible	Negligible
Very Low	Minor	Negligible	Negligible	Negligible

- 1.1.5 **Table 2** sets out the significance assessment summary referenced in **Chapter 13: Traffic and Transport** of the ES [EN010154/APP/6.1]. Following the assessment for the Principal Site and Cable Corridor, no significant impacts have been identified as a result of the Proposed Development on the assessed categories for traffic and transport.

Table 2 Significance Assessment Summary

Receptor Ref.	Receptor Type	Receptor Name	Severance	Pedestrian Delay	Amenity	Fear and Intimidation	Driver Delay	Road Safety	Hazardous or Large Loads
L1	Link	A46 west of Halfway House Roundabout	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L2	Link	Halfway House Lane	Negligible	Negligible	Negligible	Negligible	Minor	Negligible	Negligible
L3	Link	The Avenue	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L4	Link	A46 east of Halfway House Roundabout	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L5	Link	Haddington Lane (North of Old Haddington Lane)	Negligible	Negligible	Negligible	Negligible	Minor	Minor	Negligible
L6	Link	Fosse Lane (north of Haddington Lane)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L7	Link	Old Haddington Lane (between Haddington Lane and A46)	Minor	Minor	Negligible	Negligible	Minor	Negligible	Negligible
L8	Link	A46 west of Hykeham Roundabout	Negligible	Negligible	Negligible	Negligible	Negligible	Minor	Minor
L9	Link	Haddington Lane (South of Old Haddington Lane)	Negligible	Negligible	Negligible	Negligible	Minor	Negligible	Negligible
L10	Link	Stone Lane	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L11	Link	Butts Lane	Minor	Minor	Negligible	Negligible	Negligible	Negligible	Negligible

Receptor Ref.	Receptor Type	Receptor Name	Severance	Pedestrian Delay	Amenity	Fear and Intimidation	Driver Delay	Road Safety	Hazardous or Large Loads
L12	Link	Church Road (between Bridge Road and Royal Oak Lane)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L13	Link	Bassingham Road (northeast)	Minor	Minor	Minor	Negligible	Minor	Minor	Negligible
L14	Link	Haddington Lane (south of Dovecote Lane)	Negligible	Negligible	Negligible	Negligible	Negligible	Minor	Negligible
L15	Link	Norton Lane	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L16	Link	Moor Lane	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L17	Link	Bassingham Road (southwest)	Negligible	Negligible	Negligible	Negligible	Negligible	Minor	Negligible
L18	Link	Clay Lane	Negligible	Negligible	Negligible	Negligible	Negligible	Minor	Negligible
L19	Link	Camp Road (south of Halfway House roundabout)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L20	Link	Fosse Lane (between A46 and Haddington Lane)	Negligible	Negligible	Negligible	Negligible	Minor	Negligible	Negligible
L21	Link	Broughton Lane (south of Hill Rise)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L22	Link	Hill Rise	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L23	Link	Broughton Lane (north of Hill Rise)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L24	Link	Blackmoor Road	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible

Receptor Ref.	Receptor Type	Receptor Name	Severance	Pedestrian Delay	Amenity	Fear and Intimidation	Driver Delay	Road Safety	Hazardous or Large Loads
L25	Link	B1178 Tower Lane	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L26	Link	A15 Sleaford Road (between Tower Lane and Heath Lane)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L27	Link	A15 Sleaford Road (between Heath Lane and Green Man Road)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L28	Link	A15 Sleaford Road (between Green Man Road and Unnamed Road)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L29	Link	Green Man Road	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L30	Link	Unnamed Road between A15 Sleaford Road and High Dike	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L31	Link	Heath Lane	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L32	Link	A607 Grantham Road (south of Coleby)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L33	Link	A607 Grantham Road (north of Coleby)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L34	Link	Fen Lane	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
L35	Link	Clay Lane (north of Main Street)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible

Receptor Ref.	Receptor Type	Receptor Name	Severance	Pedestrian Delay	Amenity	Fear and Intimidation	Driver Delay	Road Safety	Hazardous or Large Loads
L36	Link	Haddington Lane (Between Butts Lane and Dovecote Lane)	Minor	Minor	Minor	Negligible	Minor	Negligible	Negligible
J1	Junction	Halfway House Roundabout (Halfway House Lane(N)/A46(E)/Unnamed Road(S)/A46(W))	Negligible	Negligible	Negligible	Negligible	Minor	Minor	Negligible
J2	Junction	A46 EB On-Slip and Off-Slip (Fosse Lane(N)/Fosse Lane(E)/Haddington Lane(S))	Negligible	Negligible	Negligible	Negligible	Minor	Minor	Negligible
J3	Junction	A46 WB On-Slip and Off-Slip (Haddington Lane(W)/Old Haddington Lane(N)/Haddington Lane (E))	Negligible	Negligible	Negligible	Negligible	Minor	Negligible	Negligible
J4	Junction	Haddington Lane(N)/Butts Lane(E)/Haddington Lane(S)/Stone Lane(W)	Negligible	Negligible	Negligible	Negligible	Negligible	Minor	Negligible
J5	Junction	Bridge Road(N)/Church Road(E)/Bassingham Road(W)	Minor	Minor	Negligible	Negligible	Negligible	Negligible	Negligible
J6	Junction	Haddington Lane(E)/Bassingham Road(S)/Moor Lane(W)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible

Receptor Ref.	Receptor Type	Receptor Name	Severance	Pedestrian Delay	Amenity	Fear and Intimidation	Driver Delay	Road Safety	Hazardous or Large Loads
J7	Junction	Unnamed Road(N)/Moor Lane(E)/Norton Lane(W)	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
J8	Junction	North Hykeham Roundabout (A46(N)/ Newark Road/ A46(S)/ Middle Lane)	Negligible	Negligible	Negligible	Negligible	Minor	Minor	Negligible
J9	Junction	A607 / White Lane / Church Lane	Negligible	Negligible	Negligible	Negligible	Minor	Negligible	Negligible
J10	Junction	B1178 Tower Lane / A15 Sleaford Road	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
J11	Junction	A15 Sleaford Road / Metherringham Heath Lane / Heath Lane	Negligible	Negligible	Negligible	Negligible	Negligible	Minor	Negligible
J12	Junction	A15 Sleaford Road / Green Man Road	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
P1	PRoW	LL TOTH 6/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P2	PRoW	LL TOTH 7/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P3	PRoW	LL TOTH 15/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P4	PRoW	LL TOTH 7/3	Negligible	Negligible	Negligible	Negligible	-	-	-
P5	PRoW	LL TOTH 21/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P6	PRoW	LL TOTH 6/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P7	PRoW	LL TOTH 6/3	Negligible	Negligible	Negligible	Negligible	-	-	-

Receptor Ref.	Receptor Type	Receptor Name	Severance	Pedestrian Delay	Amenity	Fear and Intimidation	Driver Delay	Road Safety	Hazardous or Large Loads
P8	PRoW	LL TOTH 13/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P9	PRoW	LL TOTH 6A/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P10	PRoW	LL TOTH 11/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P11	PRoW	LL TOTH 12/1	Minor	Minor	Minor	Minor	-	-	-
P12	PRoW	LL TOTH 12/3	Negligible	Negligible	Negligible	Negligible	-	-	-
P13	PRoW	LL Aubo 12/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P14	PRoW	LL Aubo 11/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P15	PRoW	LL Aubo 13/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P16	PRoW	LL Aubo 10/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P17	PRoW	LL Aubo 8/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P18	PRoW	LL Bass 23/1	Minor	Minor	Minor	Minor	-	-	-
P19	PRoW	LL ThuN 1/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P20	PRoW	LL ThuN 2/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P21	PRoW	LL ThuN 5/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P22	PRoW	LL Cole 1/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P23	PRoW	LL Cole 3/1	Minor	Minor	Minor	Minor	-	-	-
P24	PRoW	LL Cole 4/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P25	PRoW	LL BooG 5/1	Minor	Minor	Minor	Minor	-	-	-
P26	PRoW	LL Aubo 12/1	Negligible	Negligible	Negligible	Negligible	-	-	-

Receptor Ref.	Receptor Type	Receptor Name	Severance	Pedestrian Delay	Amenity	Fear and Intimidation	Driver Delay	Road Safety	Hazardous or Large Loads
P27	PRoW	LL Bass 20/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P28	PRoW	LL Bass 21/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P29	PRoW	LL Bass 22/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P30	PRoW	LL TOTH 5/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P31	PRoW	LL TOTH 11/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P32	PRoW	LL Aubo 9/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P33	PRoW	LL Aubo 11/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P34	PRoW	LL ThuN 3/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P35	PRoW	LL Swdb 4/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P36	PRoW	LL Swdb 5/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P37	PRoW	LL NoDi 1/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P38	PRoW	LL TOTH 7/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P39	PRoW	LL TOTH 12/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P40	PRoW	LL TOTH 13/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P41	PRoW	LL NoDi 1/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P42	PRoW	LL NoDi 4/1	Negligible	Negligible	Negligible	Negligible	-	-	-
P43	PRoW	LL BooG 2/2	Minor	Minor	Minor	Minor	-	-	-
P44	PRoW	DMMO 574	Negligible	Negligible	Negligible	Negligible	-	-	-
P45	PRoW	DMMO 453	Negligible	Negligible	Negligible	Negligible	-	-	-

Receptor Ref.	Receptor Type	Receptor Name	Severance	Pedestrian Delay	Amenity	Fear and Intimidation	Driver Delay	Road Safety	Hazardous or Large Loads
P46	PRoW	LL Aubo 13/2	Negligible	Negligible	Negligible	Negligible	-	-	-
P47	PRoW	LL Bass 21/3	Negligible	Negligible	Negligible	Negligible	-	-	-