



Fosse Green Energy

Preliminary Environmental Information Report

VOLUME

3

**Appendix 13-D: Receptor Traffic
Flow Tables**

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Prepared for:

Fosse Green Energy Limited

Prepared by:

AECOM Limited

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Table 1: Total Vehicle Traffic Flows

Total Vehicle Traffic Flows

Ref	Receptor Type	Receptor	AM Dev Peak (07:00-08:00)			AM Net Peak (08:00-09:00)			PM Net Peak (17:00-18:00)			PM Dev Peak (18:00-19:00)			12 Hour Weekday (07:00-19:00)			24 Hour Daily			Average Hourly Traffic Flow	
			2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 Base	DEV
RL1	Road Link	A46 west of Halfway House Roundabout	3,263	109	3.3%	2,924	7	0.2%	3,103	7	0.2%	2,338	109	4.7%	33,024	288	0.9%	40,728	288	0.7%	1697	1709
RL2	Road Link	Halfway House Lane	382	34	9.0%	427	3	0.8%	378	3	0.8%	246	34	14.0%	4,322	102	2.4%	4,733	102	2.2%	197	201
RL3	Road Link	The Avenue	8	34	438.5%	7	3	44.6%	7	3	46.4%	4	34	876.2%	105	102	96.8%	118	102	86.3%	5	9
RL4	Road Link	A46 east of Halfway House Roundabout	3,731	109	2.9%	3,281	7	0.2%	3,446	7	0.2%	1,697	109	6.4%	36,958	288	0.8%	40,289	288	0.7%	1679	1691
RL5	Road Link	Haddington Lane (between Fosse Lane and Old Haddington Lane)	472	80	17.0%	485	4	0.8%	789	4	0.5%	154	80	52.1%	4,331	201	4.6%	4,106	201	4.9%	171	179
RL6	Road Link	Fosse Lane (north of Haddington Lane)	271	10	3.8%	465	0	0.0%	464	0	0.0%	122	10	8.3%	2,929	22	0.8%	2,775	22	0.8%	116	117
RL7	Road Link	Old Haddington Lane (between Haddington Lane and A46)	330	80	24.3%	413	4	1.0%	541	4	0.7%	162	80	49.3%	3,674	201	5.5%	3,792	201	5.3%	158	166
RL8	Road Link	A46 east of Fosse Lane	2,895	109	3.8%	2,768	7	0.3%	2,730	7	0.2%	2,173	109	5.0%	31,030	288	0.9%	38,602	288	0.7%	1608	1620
RL9	Road Link	Haddington Lane (south of Old Haddington Lane)	587	117	19.8%	665	5	0.8%	658	5	0.8%	316	117	36.9%	5,738	286	5.0%	5,906	286	4.8%	246	258
RL10	Road Link	Stone Lane	5	0	0.0%	3	0	0.0%	12	0	0.0%	9	0	0.0%	65	0	0.0%	65	0	0.0%	3	3
RL11	Road Link	South Hykeham Road	553	33	6.0%	585	2	0.4%	621	2	0.3%	325	33	10.1%	5,087	89	1.8%	5,425	89	1.6%	226	230
RL12	Road Link	Church Road (east of Bassingham Road)	706	0	0.0%	668	0	0.0%	668	0	0.0%	311	0	0.0%	5,874	0	0.0%	6,190	0	0.0%	258	258
RL13	Road Link	Bassingham Road (southwest of Bridge Road)	96	33	34.4%	112	2	2.1%	130	2	1.7%	168	33	19.7%	1,236	89	7.2%	1,310	89	6.8%	55	58
RL14	Road Link	Haddington Lane (south of Stone Lane)	220	42	19.2%	204	2	0.9%	235	2	0.7%	251	42	16.8%	1,974	102	5.2%	1,971	102	5.2%	82	86
RL15	Road Link	Norton Lane	36	0	0.0%	49	0	0.0%	64	0	0.0%	109	0	0.0%	434	0	0.0%	423	0	0.0%	18	18
RL16	Road Link	Moor Lane	244	23	9.6%	272	3	0.9%	269	2	0.9%	294	23	8.0%	2,298	73	3.2%	2,230	73	3.3%	93	96
RL17	Road Link	Bassingham Road (between Moor Lane and Clay Lane)	205	20	10.0%	277	0	0.1%	292	0	0.1%	166	20	12.3%	1,952	45	2.3%	1,901	45	2.4%	79	81
RL18	Road Link	Clay Lane	13	20	156.1%	11	0	3.7%	8	0	4.8%	8	20	259.9%	107	45	41.8%	118	45	37.9%	5	7
RL19	Road Link	Unnamed Road (south of Halfway House Roundabout)	1,064	23	2.2%	988	3	0.3%	1,063	2	0.2%	580	23	4.0%	10,370	73	0.7%	11,334	73	0.6%	472	475
RL20	Road Link	Fosse Lane (between A46 and Haddington Lane)	310	80	25.8%	346	4	1.2%	358	4	1.1%	102	80	78.1%	2,665	201	7.5%	2,521	201	8.0%	105	113
RJ1	Road Junction	Halfway House Roundabout (Halfway House Lane/A46(E)/Unnamed Road/A46(W))	4,217	138	3.3%	3,690	10	0.3%	3,888	9	0.2%	2,066	138	6.7%	41,608	375	0.9%	45,359	375	0.8%	1890	1906
RJ2	Road Junction	A46 EB On-Slip and Off-Slip (Fosse Lane(N)/Fosse Lane(E)/Haddington Lane)	529	102	19.3%	609	5	0.9%	869	5	0.6%	172	102	59.2%	4,950	259	5.2%	4,693	259	5.5%	196	206
RJ3	Road Junction	A46 WB On-Slip and Off-Slip (Haddington Lane(W)/Old Haddington Lane/Haddington Lane)	734	138	18.8%	797	7	0.8%	1,073	6	0.6%	289	138	47.9%	7,259	344	4.7%	7,496	344	4.6%	312	327



Total Vehicle Traffic Flows

Ref	Receptor Type	Receptor	AM Dev Peak (07:00-08:00)			AM Net Peak (08:00-09:00)			PM Net Peak (17:00-18:00)			PM Dev Peak (18:00-19:00)			12 Hour Weekday (07:00-19:00)			24 Hour Daily			Average Hourly Traffic Flow	
			2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 Base	DEV
RJ4	Road Junction	Haddington Lane(N)/Butts Lane/Haddington Lane(S)/Stone Lane	736	85	11.6%	780	4	0.6%	942	4	0.4%	1,040	85	8.2%	6,893	214	3.1%	6,873	214	3.1%	286	295
RJ5	Road Junction	Bridge Road/Church Road/Bassingham Road	745	33	4.4%	743	2	0.3%	733	2	0.3%	423	33	7.8%	6,554	89	1.4%	6,910	89	1.3%	288	292
RJ6	Road Junction	Haddington Lane/Bassingham Road/Moor Lane	331	20	6.2%	402	0	0.1%	546	0	0.1%	983	20	2.1%	3,960	45	1.1%	3,851	45	1.2%	160	162
RJ7	Road Junction	Unnamed Road/Moor Lane/Norton Lane	274	23	8.5%	337	3	0.8%	433	2	0.5%	995	23	2.4%	3,457	73	2.1%	3,363	73	2.2%	140	143
RJ8	Road Junction	North Hykeham Roundabout (A46(N)/ Newark Road/ A46(S)/ Middle Lane)	3,741	138	3.7%	3,493	10	0.3%	3,420	9	0.3%	1,921	138	7.2%	39,096	375	1.0%	42,991	375	0.9%	1791	1807



Table 2: Light Goods Vehicle (LGV) Traffic Flows

LGV Traffic Flows

Ref	Receptor Type	Receptor	AM Dev Peak (07:00-08:00)			AM Net Peak (08:00-09:00)			PM Net Peak (17:00-18:00)			PM Dev Peak (18:00-19:00)			12 Hour Weekday (07:00-19:00)			24 Hour Daily			Average Hourly Traffic Flow	
			2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 Base	DEV
RL1	Road Link	A46 west of Halfway House Roundabout	2,968	102	3.4%	2,609	2	0.1%	2,855	2	0.1%	2,144	102	4.8%	29,468	224	0.8%	37,139	224	0.6%	1547	1557
RL2	Road Link	Halfway House Lane	371	31	8.2%	396	1	0.2%	377	1	0.2%	242	31	12.6%	4,152	67	1.6%	4,562	67	1.5%	190	193
RL3	Road Link	The Avenue	8	31	390.2%	7	1	8.1%	6	1	10.2%	3	31	877.1%	101	67	66.7%	111	67	60.6%	5	7
RL4	Road Link	A46 east of Halfway House Roundabout	3,396	102	3.0%	2,996	2	0.1%	3,274	2	0.1%	1,552	102	6.6%	33,589	224	0.7%	36,906	224	0.6%	1538	1547
RL5	Road Link	Haddington Lane (between Fosse Lane and Old Haddington Lane)	457	77	16.7%	460	2	0.3%	775	2	0.2%	154	77	49.8%	4,132	168	4.1%	3,933	168	4.3%	164	171
RL6	Road Link	Fosse Lane (north of Haddington Lane)	264	10	3.9%	450	0	0.0%	452	0	0.0%	118	10	8.6%	2,829	22	0.8%	2,689	22	0.8%	112	113
RL7	Road Link	Old Haddington Lane (between Haddington Lane and A46)	310	77	24.6%	390	2	0.4%	535	2	0.3%	158	77	48.4%	3,470	168	4.8%	3,607	168	4.7%	150	157
RL8	Road Link	A46 east of Fosse Lane	2,689	102	3.8%	2,476	2	0.1%	2,555	2	0.1%	1,999	102	5.1%	28,007	224	0.8%	35,574	224	0.6%	1482	1492
RL9	Road Link	Haddington Lane (south of Old Haddington Lane)	556	112	20.2%	608	2	0.4%	634	2	0.3%	307	112	36.6%	5,291	246	4.7%	5,499	246	4.5%	229	239
RL10	Road Link	Stone Lane	5	0	0.0%	3	0	0.0%	12	0	0.0%	9	0	0.0%	64	0	0.0%	64	0	0.0%	3	3
RL11	Road Link	South Hykeham Road	529	31	5.8%	558	1	0.1%	616	1	0.1%	318	31	9.6%	4,858	67	1.4%	5,205	67	1.3%	217	220
RL12	Road Link	Church Road (east of Bassingham Road)	668	0	0.0%	615	0	0.0%	662	0	0.0%	306	0	0.0%	5,591	0	0.0%	5,948	0	0.0%	248	248
RL13	Road Link	Bassingham Road (southwest of Bridge Road)	91	31	33.4%	108	1	0.6%	129	1	0.5%	167	31	18.3%	1,213	67	5.5%	1,290	67	5.2%	54	57
RL14	Road Link	Haddington Lane (south of Stone Lane)	211	41	19.4%	195	1	0.4%	229	1	0.4%	233	41	17.5%	1,885	90	4.8%	1,896	90	4.7%	79	83
RL15	Road Link	Norton Lane	35	0	0.0%	47	0	0.0%	63	0	0.0%	109	0	0.0%	424	0	0.0%	414	0	0.0%	17	17
RL16	Road Link	Moor Lane	228	20	9.0%	256	0	0.2%	251	0	0.2%	273	20	7.5%	2,138	45	2.1%	2,088	45	2.1%	87	89
RL17	Road Link	Bassingham Road (between Moor Lane and Clay Lane)	197	20	10.3%	270	0	0.1%	287	0	0.1%	162	20	12.6%	1,893	45	2.4%	1,849	45	2.4%	77	79
RL18	Road Link	Clay Lane	12	20	167.2%	10	0	3.8%	8	0	4.8%	8	20	259.9%	101	45	44.2%	112	45	40.0%	5	7
RL19	Road Link	Unnamed Road (south of Halfway House Roundabout)	993	20	2.1%	930	0	0.0%	1,032	0	0.0%	539	20	3.8%	9,734	45	0.5%	10,695	45	0.4%	446	448
RL20	Road Link	Fosse Lane (between A46 and Haddington Lane)	297	77	25.7%	322	2	0.5%	348	2	0.4%	101	77	75.5%	2,481	168	6.8%	2,362	168	7.1%	98	105
RJ1	Road Junction	Halfway House Roundabout (Halfway House Lane/A46(E)/Unnamed Road/A46(W))	3,835	128	3.3%	3,374	3	0.1%	3,698	3	0.1%	1,884	128	6.8%	37,823	280	0.7%	41,558	280	0.7%	1732	1743
RJ2	Road Junction	A46 EB On-Slip and Off-Slip (Fosse Lane(N)/Fosse Lane(E)/Haddington Lane)	513	97	18.9%	580	2	0.3%	855	2	0.2%	171	97	56.6%	4,730	213	4.5%	4,503	213	4.7%	188	196
RJ3	Road Junction	A46 WB On-Slip and Off-Slip (Haddington Lane(W)/Old Haddington Lane/Haddington Lane)	704	133	18.8%	751	3	0.3%	1,054	3	0.2%	285	133	46.6%	6,887	291	4.2%	7,159	291	4.1%	298	310



LGV Traffic Flows

Ref	Receptor Type	Receptor	AM Dev Peak (07:00-08:00)			AM Net Peak (08:00-09:00)			PM Net Peak (17:00-18:00)			PM Dev Peak (18:00-19:00)			12 Hour Weekday (07:00-19:00)			24 Hour Daily			Average Hourly Traffic Flow	
			2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 Base	DEV
RJ4	Road Junction	Haddington Lane(N)/Butts Lane/Haddington Lane(S)/Stone Lane	705	82	11.6%	735	2	0.2%	921	2	0.2%	957	82	8.5%	6,524	179	2.7%	6,561	179	2.7%	273	281
RJ5	Road Junction	Bridge Road/Church Road/Bassingham Road	706	31	4.3%	687	1	0.1%	725	1	0.1%	418	31	7.3%	6,257	67	1.1%	6,657	67	1.0%	277	280
RJ6	Road Junction	Haddington Lane/Bassingham Road/Moor Lane	319	20	6.4%	391	0	0.1%	536	0	0.1%	910	20	2.2%	3,780	45	1.2%	3,692	45	1.2%	154	156
RJ7	Road Junction	Unnamed Road/Moor Lane/Norton Lane	266	20	7.7%	330	0	0.1%	425	0	0.1%	924	20	2.2%	3,304	45	1.4%	3,226	45	1.4%	134	136
RJ8	Road Junction	North Hykeham Roundabout (A46(N)/ Newark Road/ A46(S)/ Middle Lane)	3,475	138	4.0%	3,200	3	0.1%	3,287	3	0.1%	1,757	138	7.8%	35,878	280	0.8%	39,785	280	0.7%	1658	1669



Table 3: Heavy Goods Vehicle (HGV) Traffic Flows

HGV Traffic Flows

Ref	Receptor Type	Receptor	AM Dev Peak (07:00-08:00)			AM Net Peak (08:00-09:00)			PM Net Peak (17:00-18:00)			PM Dev Peak (18:00-19:00)			12 Hour Weekday (07:00-19:00)			24 Hour Daily			Daily Traffic Flow	
			2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 BASE	DEV	% Change	2032 Base	DEV
RL1	Road Link	A46 west of Halfway House Roundabout	295	7	2.4%	315	5	1.6%	248	5	1.8%	194	7	3.6%	3,555	64	1.8%	3,589	64	1.8%	3589	3653
RL2	Road Link	Halfway House Lane	11	4	34.8%	30	3	8.9%	1	2	223.3%	4	4	86.8%	170	35	20.4%	171	35	20.3%	171	205
RL3	Road Link	The Avenue	0	4	378.7%	0	3	270.5%	1	2	372.2%	0	4	868.4%	4	35	790.0%	7	35	491.6%	7	42
RL4	Road Link	A46 east of Halfway House Roundabout	335	7	2.1%	285	5	1.8%	172	5	2.6%	145	7	4.8%	3,369	64	1.9%	3,383	64	1.9%	3383	3447
RL5	Road Link	Haddington Lane (between Fosse Lane and Old Haddington Lane)	14	4	25.3%	25	3	10.2%	14	2	16.2%	0	4	358.2%	199	33	16.4%	173	33	19.0%	173	205
RL6	Road Link	Fosse Lane (north of Haddington Lane)	8	0	0.0%	15	0	0.0%	11	0	0.0%	4	0	0.0%	100	0	0.0%	86	0	0.0%	86	86
RL7	Road Link	Old Haddington Lane (between Haddington Lane and A46)	20	4	18.3%	23	3	11.2%	5	2	42.2%	4	4	82.1%	204	33	16.1%	185	33	17.7%	185	218
RL8	Road Link	A46 east of Fosse Lane	206	7	3.4%	292	5	1.7%	175	5	2.6%	174	7	4.0%	3,023	64	2.1%	3,027	64	2.1%	3027	3091
RL9	Road Link	Haddington Lane (south of Old Haddington Lane)	31	4	13.8%	57	3	5.5%	24	3	11.7%	9	4	48.1%	448	40	8.8%	407	40	9.7%	407	446
RL10	Road Link	Stone Lane	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	0.0%	1	0	0.0%	1	1
RL11	Road Link	South Hykeham Road	24	2	10.0%	26	2	6.6%	5	2	28.4%	8	2	31.6%	229	22	9.6%	220	22	10.0%	220	242
RL12	Road Link	Church Road (east of Basingham Road)	38	0	0.0%	52	0	0.0%	7	0	0.0%	4	0	0.0%	283	0	0.0%	242	0	0.0%	242	242
RL13	Road Link	Basingham Road (southwest of Bridge Road)	4	2	55.3%	4	2	39.5%	1	2	142.2%	1	2	221.1%	24	22	93.0%	20	22	108.6%	20	42
RL14	Road Link	Haddington Lane (south of Stone Lane)	9	1	14.7%	9	1	11.3%	7	1	13.6%	18	1	7.5%	89	13	14.2%	75	13	16.9%	75	87
RL15	Road Link	Norton Lane	1	0	0.0%	2	0	0.0%	1	0	0.0%	0	0	0.0%	10	0	0.0%	9	0	0.0%	9	9
RL16	Road Link	Moor Lane	16	3	18.7%	17	2	13.0%	18	2	10.7%	21	3	14.3%	160	28	17.4%	142	28	19.6%	142	170
RL17	Road Link	Basingham Road (between Moor Lane and Clay Lane)	8	0	0.0%	7	0	0.0%	5	0	0.0%	3	0	0.0%	59	0	0.0%	52	0	0.0%	52	52
RL18	Road Link	Clay Lane	1	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	0	0.0%	6	0	0.0%	6	6
RL19	Road Link	Unnamed Road (south of Halfway House Roundabout)	71	3	4.3%	58	2	3.8%	31	2	6.4%	41	3	7.4%	636	28	4.4%	638	28	4.4%	638	666
RL20	Road Link	Fosse Lane (between A46 and Haddington Lane)	13	4	27.4%	24	3	10.7%	10	2	23.5%	1	4	328.5%	184	33	17.8%	159	33	20.5%	159	192
RJ1	Road Junction	Halfway House Roundabout (Halfway House Lane/A46(E)/Unnamed Road/A46(W))	382	10	2.7%	316	7	2.4%	190	7	3.5%	182	10	5.7%	3,785	95	2.5%	3,801	95	2.5%	3801	3896
RJ2	Road Junction	A46 EB On-Slip and Off-Slip (Fosse Lane(N)/Fosse Lane(E)/Haddington Lane)	16	5	30.6%	28	4	12.6%	14	3	22.7%	1	5	458.8%	220	46	20.8%	191	46	24.0%	191	236
RJ3	Road Junction	A46 WB On-Slip and Off-Slip (Haddington Lane(W)/Old Haddington Lane/Haddington Lane)	30	6	18.8%	46	4	9.0%	19	4	19.9%	4	6	131.7%	371	53	14.1%	337	53	15.6%	337	390
RJ4	Road Junction	Haddington Lane(N)/Butts Lane/Haddington Lane(S)/Stone Lane	32	4	12.0%	45	3	6.1%	21	2	11.8%	83	4	4.6%	369	35	9.4%	311	35	11.1%	311	346
RJ5	Road Junction	Bridge Road/Church Road/Basingham Road	39	2	6.1%	56	2	3.1%	8	2	20.3%	5	2	44.2%	296	22	7.4%	254	22	8.7%	254	276
RJ6	Road Junction	Haddington Lane/Basingham Road/Moor Lane	12	0	0.0%	11	0	0.0%	10	0	0.0%	73	0	0.0%	180	0	0.0%	159	0	0.0%	159	159
RJ7	Road Junction	Unnamed Road/Moor Lane/Norton Lane	9	3	35.0%	7	2	33.3%	8	2	25.7%	71	3	4.3%	154	28	18.2%	136	28	20.5%	136	164
RJ8	Road Junction	North Hykeham Roundabout (A46(N)/ Newark Road/ A46(S)/ Middle Lane)	267	0	0.0%	293	7	2.5%	134	7	5.0%	163	0	0.0%	3,218	95	3.0%	3,206	95	3.0%	3206	3301