



# The Sizewell C Project

6.14 Environmental Statement Addendum  
Volume 3: Environmental Statement Addendum Appendices  
Chapter 6 Sizewell Link Road  
Appendices 6.3.A-C Noise and Vibration

---

Revision: 1.0  
Applicable Regulation: Regulation 5(2)(a)  
PINS Reference Number: EN010012

---

January 2021

Planning Act 2008  
Infrastructure Planning (Applications: Prescribed  
Forms and Procedure) Regulations 2009



## APPENDIX 6.3.A: SIZEWELL LINK ROAD – CORRECTIONS TO ROAD TRAFFIC NOISE LEVEL PREDICTIONS

## APPENDIX 6.3.A: INTRODUCTION

- 1.1.1 This appendix road traffic noise level predictions for the Sizewell Link Road that have been corrected from those contained in **Volume 6, Chapter 4** of the **ES** (Doc Ref 6.7) [[APP-451](#)].
- 1.1.2 Tables presented show the predicted levels submitted in **Volume 6, Chapter 4** of the **ES** (Doc Ref 6.7) [APP-451] and the corrected values for the following scenarios:
- Table 6.3.A.1: Predicted level differences and effects for the typical day in the peak construction year (in 2028)
  - Table 6.3.A.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)
  - Table 6.3.A.3: Predicted level differences and effects for the busiest day in the peak construction year (in 2028)
  - Table 6.3.A.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)
  - Table 6.3.A.5: Predicted level differences and effects for the typical day in 2034
  - Table 6.3.A.6: Predicted level differences and effects for the typical night in 2034
- 1.1.3 Where the corrected predicted levels cause a change in the assessment outcome that is worse than was reported in **Volume 6, Chapter 4** of the **ES** (Doc Ref 6.7) [APP-451], the cell containing the assessment effect is coloured orange. Where the corrected predicted levels cause a change in the assessment outcome that is better than was reported in **Volume 6, Chapter 4** of the **ES** (Doc Ref 6.7) [APP-451], the cell containing the assessment effect is coloured green. Where the corrected predicted levels do not cause a change in the assessment outcome, the cell is not shaded with any colour.



Table 6.3.A.1: Predicted level differences and effects for the typical day in the peak construction year (in 2028)

2028 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	55.1	56.3	1.2	Minor adverse, not significant	51.6	53.0	1.4	Minor adverse, not significant
2	Buskie Farm	48.6	51.2	2.6	Minor adverse, not significant	46.1	48.4	2.3	Minor adverse, not significant
3	Fordley Hall	39.4	49.3	9.9	Major adverse, significant	36.4	44.9	8.5	Major adverse, significant
4	Norwood House	50.6	50.0	-0.6	Negligible, not significant	46.2	47.0	0.8	Negligible, not significant
5	Cross Roads	57.8	52.8	-5.0	Major beneficial, significant	51.1	47.5	-3.6	Moderate beneficial, significant
6	Garden House Farm	63.8	55.1	-8.7	Major beneficial, significant	60.4	50.2	-10.2	Major beneficial, significant

2028 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
7	Mill Street	60.7	52.1	-8.6	Major beneficial, significant	57.0	48.1	-8.9	Major beneficial, significant
8	Yoxford Road	65.9	53.7	-12.2	Major beneficial, significant	63.3	50.0	-13.3	Major beneficial, significant
9	Hill Farm	59.3	53.9	-5.4	Major beneficial, significant	54.8	50.7	-4.1	Moderate beneficial, significant
10	Valley Farm	61.2	54.9	-6.3	Major beneficial, significant	57.5	52.3	-5.2	Major beneficial, significant
11	Annesons Cottage	58.1	56.0	-2.1	Minor beneficial, not significant	53.9	52.8	-1.1	Minor beneficial, not significant
12	Trust Farm	42.7	52.7	10.0	Major adverse, significant	40.5	49.4	8.9	Major adverse, significant
13	Dovehouse Farm	42.2	50.5	8.3	Major adverse, significant	39.4	47.4	8.0	Major adverse, significant
14	Theberton Hall	46.4	50.3	3.9	Moderate adverse, significant	43.6	47.4	3.8	Moderate adverse, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

2028 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
15	Church Farm	41.2	48.8	7.6	Major adverse, significant	37.9	46.0	8.1	Major adverse, significant
16	Doughty Wylie Crescent	50.2	55.6	5.4	Major adverse, significant	46.8	52.3	5.5	Major adverse, significant
17	Theberton Grange	48.6	54.0	5.4	Major adverse, significant	45.4	51.9	6.5	Major adverse, significant
18	Theberton House	50.9	54.5	3.6	Moderate adverse, significant	47.4	51.1	3.7	Moderate adverse, significant
19	Oakfield House	42.1	58.7	16.6	Major adverse, significant	39.1	53.9	14.8	Major adverse, significant
20	Hawthorn Cottages	43.6	54.0	10.4	Major adverse, significant	40.1	51.1	11.0	Major adverse, significant
21	Coronation Cottages	63.4	56.5	-6.9	Major beneficial, significant	60.1	53.1	-7.0	Major beneficial, significant
22	Annesons Corner	58.8	54.9	-3.9	Moderate beneficial, significant	54.9	51.5	-3.4	Moderate beneficial, significant

2028 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
23	A12 Yoxford	70.8	70.7	-0.1	Negligible, not significant	67.9	67.8	-0.1	Negligible, not significant
24	A12 Yoxford Centre	72.9	73.5	0.6	Negligible, not significant	69.8	69.7	-0.1	Negligible, not significant
25	B1122 East of Yoxford	57.6	59.5	1.9	Minor adverse, not significant	55.1	57.0	1.9	Minor adverse, not significant
26	B1122 Rail crossing	70.4	72.1	1.7	Minor adverse, not significant	67.3	68.8	1.5	Minor adverse, not significant
27	B1122 Middleton Moor	67.6	52.7	-14.9	Major beneficial, significant	64.9	49.6	-15.3	Major beneficial, significant
28	B1122 Theberton	67.2	52.6	-14.6	Major beneficial, significant	63.9	49.1	-14.8	Major beneficial, significant
29	Kelsale Lodge Cottages	71.0	70.9	-0.1	Negligible, not significant	67.1	67.0	-0.1	Negligible, not significant

2028 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
30	Rosetta	62.5	63.7	1.2	Minor adverse, not significant	58.4	59.8	1.4	Minor adverse, not significant
31	Laurel Farm	72.0	73.1	1.1	Minor adverse, not significant	68.6	69.8	1.2	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	63.4	64.4	1.0	Minor adverse, not significant	59.5	60.8	1.3	Minor adverse, not significant
33	Rookery Farm	45.2	50.4	5.2	Major adverse, significant	42.2	47.4	5.2	Major adverse, significant
34	Keepers Cottage	41.8	47.8	6.0	Major adverse, significant	39.1	45.2	6.1	Major adverse, significant
35	Town Farm	44.5	47.9	3.4	Moderate adverse, significant	42.3	45.2	2.9	Minor adverse, not significant
36	Hawthorn Farm	41.2	47.9	6.7	Major adverse, significant	38.3	45.0	6.7	Major adverse, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ



2028 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
37	Moat House	40.5	48.3	7.8	Major adverse, significant	38.3	46.4	8.1	Major adverse, significant
38	South of Theberton Grange	46.5	51.5	5.0	Major adverse, significant	43.5	48.2	4.7	Moderate adverse, significant
39	Yewtree Farm	44.6	46.4	1.8	Minor adverse, not significant	41.4	43.6	2.2	Minor adverse, not significant
40	Tollgate	59.0	50.9	-8.1	Major beneficial, significant	55.3	48.0	-7.3	Major beneficial, significant
41	Moor Buildings	46.6	48.3	1.7	Minor adverse, not significant	43.2	45.5	2.3	Minor adverse, not significant
42	Rose Farm	41.0	45.6	4.6	Moderate adverse, significant	38.1	42.5	4.4	Moderate adverse, significant
43	South of Theberton Hall Farm	43.5	43.9	0.4	Negligible, not significant	40.5	41.2	0.7	Negligible, not significant

**Table 6.3.A.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)**

2028 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	44.4	48.3	3.9	Moderate adverse, significant	44	45.9	1.9	Minor adverse, not significant
2	Buskie Farm	36.7	40.7	4	Moderate adverse, significant	36.5	40.4	3.9	Moderate adverse, significant
3	Fordley Hall	29.8	42.2	12.4	Major adverse, significant	29.3	44.5	15.2	Major adverse, significant
4	Norwood House	41.4	41	-0.4	Negligible, not significant	40.7	40.7	0	Negligible, not significant
5	Cross Roads	53.0	45.7	-7.3	Major beneficial, significant	52.4	45.8	-6.6	Major beneficial, significant
6	Garden House Farm	55.4	47.8	-7.6	Major beneficial, significant	55.2	47.9	-7.3	Major beneficial, significant
7	Mill Street	54.5	46.6	-7.9	Major beneficial, significant	54.8	47.2	-7.6	Major beneficial, significant

2028 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	Yoxford Road	55.2	47.4	-7.8	Major beneficial, significant	55.5	48.4	-7.1	Major beneficial, significant
9	Hill Farm	52.3	49.3	-3	Moderate beneficial, significant	53.6	47.6	-6	Major beneficial, significant
10	Valley Farm	53.2	50.6	-2.6	Minor beneficial, not significant	54.3	48.7	-5.6	Major beneficial, significant
11	Annesons Cottage	51.4	51.2	-0.2	Negligible, not significant	53.1	48.9	-4.2	Moderate beneficial, significant
12	Trust Farm	37.0	43.5	6.5	Major adverse, significant	36.6	42.4	5.8	Major adverse, significant
13	Dovehouse Farm	32.0	40.2	8.2	Major adverse, significant	32	40.2	8.2	Major adverse, significant
14	Theberton Hall	37.2	43.7	6.5	Major adverse, significant	36.7	43.1	6.4	Major adverse, significant

2028 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
15	Church Farm	31.8	40.1	8.3	Major adverse, significant	31.2	38.9	7.7	Major adverse, significant
16	Doughty Wylie Crescent	40.3	48.5	8.2	Major adverse, significant	43.1	46.5	3.4	Moderate adverse, not significant
17	Theberton Grange	38.5	48	9.5	Major adverse, significant	38.1	44.6	6.5	Major adverse, significant
18	Theberton House	41.3	46.8	5.5	Major adverse, significant	40.9	45.4	4.5	Moderate adverse, significant
19	Oakfield House	32.4	48.3	15.9	Major adverse, significant	31.8	47.7	15.9	Major adverse, significant
20	Hawthorn Cottages	34.0	44.6	10.6	Major adverse, significant	33.6	44.7	11.1	Major adverse, significant
21	Coronation Cottages	54.3	51.4	-2.9	Minor beneficial, not significant	55	49.6	-5.4	Major beneficial, significant

2028 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
22	Annesons Corner	51.7	49.9	-1.8	Minor beneficial, not significant	53.4	47.9	-5.5	Major beneficial, significant
23	A12 Yoxford	58.8	58.8	0	Negligible, not significant	59.4	59.5	0.1	Negligible, not significant
24	A12 Yoxford Centre	61.0	62.1	1.1	Minor adverse, not significant	61.8	62.1	0.3	Negligible, not significant
25	B1122 East of Yoxford	51.3	53.2	1.9	Minor adverse, not significant	51.1	53.6	2.5	Minor adverse, not significant
26	B1122 Rail crossing	57.5	59.7	2.2	Minor adverse, not significant	56.1	58.7	2.6	Minor adverse, not significant
27	B1122 Middleton Moor	56.1	46.4	-9.7	Major beneficial, significant	55.7	47.5	-8.2	Major beneficial, significant



2028 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
28	B1122 Theberton	56.0	47.5	-8.5	Major beneficial, significant	56.9	48.6	-8.3	Major beneficial, significant
29	Kelsale Lodge Cottages	60.1	60.1	0	Negligible, not significant	60.5	60.5	0	Negligible, not significant
30	Rosetta	51.3	53.8	2.5	Minor adverse, not significant	50.9	53.2	2.3	Minor adverse, not significant
31	Laurel Farm	60.8	62	1.2	Minor adverse, not significant	61	62.2	1.2	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	52.3	54	1.7	Minor adverse, not significant	51.8	53.7	1.9	Minor adverse, not significant
33	Rookery Farm	34.6	39.9	5.3	Major adverse, significant	34.3	40.1	5.8	Major adverse, significant
34	Keepers Cottage	32.8	37.8	5	Major adverse, significant	32.9	37.9	5	Major adverse, significant

2028 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
35	Town Farm	33.8	37.8	4	Moderate adverse, significant	33.4	37.8	4.4	Moderate adverse, significant
36	Hawthorn Farm	31.1	38.3	7.2	Major adverse, significant	31	38.2	7.2	Major adverse, significant
37	Moat House	30.5	42.4	11.9	Major adverse, significant	30.4	38.8	8.4	Major adverse, significant
38	South of Theberton Grange	36.5	41.3	4.8	Moderate adverse, significant	34.8	40.6	5.8	Major adverse, significant
39	Yewtree Farm	34.6	36.8	2.2	Minor adverse, not significant	34.4	36.7	2.3	Minor adverse, not significant
40	Tollgate	53.7	46.3	-7.4	Major beneficial, significant	53.5	48	-5.5	Major beneficial, significant
41	Moor Buildings	36.5	38.9	2.4	Minor adverse, not significant	36.4	39.1	2.7	Minor adverse, not significant

2028 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
42	Rose Farm	35.6	37.9	2.3	Minor adverse, not significant	36.5	36.2	-0.3	Negligible, not significant
43	South of Theberton Hall Farm	32.3	33.5	1.2	Minor adverse, not significant	33.6	34.5	0.9	Negligible, not significant

**Table 6.3.A.3: Predicted level differences and effects for the busiest day in the peak construction year (in 2028)**

2028 Busiest Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	55.1	56.6	1.5	Minor adverse, not significant	51.6	53.1	1.5	Minor adverse, not significant
2	Buskie Farm	48.6	51.8	3.2	Moderate adverse, significant	46.1	49.3	3.2	Moderate adverse, significant
3	Fordley Hall	39.4	49.9	10.5	Major adverse, significant	36.4	45.7	9.3	Major adverse, significant
4	Norwood House	50.6	50.4	-0.2	Negligible, not significant	46.2	47.4	1.2	Minor adverse, not significant
5	Cross Roads	57.8	53.3	-4.5	Moderate beneficial, significant	51.1	48.1	-3.0	Moderate beneficial, significant
6	Garden House Farm	63.8	55.6	-8.2	Major beneficial, significant	60.4	50.6	-9.8	Major beneficial, significant
7	Mill Street	60.7	52.6	-8.1	Major beneficial, significant	57.0	48.6	-8.4	Major beneficial, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

2028 Busiest Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	Yoxford Road	65.9	54.3	-11.6	Major beneficial, significant	63.3	50.5	-12.8	Major beneficial, significant
9	Hill Farm	59.3	54.6	-4.7	Moderate beneficial, significant	54.8	51.3	-3.5	Moderate beneficial, significant
10	Valley Farm	61.2	55.6	-5.6	Major beneficial, significant	57.5	52.9	-4.6	Moderate beneficial, significant
11	Annesons Cottage	58.1	56.7	-1.4	Minor beneficial, not significant	53.9	53.4	-0.5	Negligible, not significant
12	Trust Farm	42.7	53.4	10.7	Major adverse, significant	40.5	50.0	9.5	Major adverse, significant
13	Dovehouse Farm	42.2	51.1	8.9	Major adverse, significant	39.4	48.0	8.6	Major adverse, significant
14	Theberton Hall	46.4	50.8	4.4	Moderate adverse, significant	43.6	48.0	4.4	Moderate adverse, significant
15	Church Farm	41.2	49.4	8.2	Major adverse, significant	37.9	46.6	8.7	Major adverse, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ



2028 Busiest Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
16	Doughty Wylie Crescent	50.2	56.0	5.8	Major adverse, significant	46.8	53.1	6.3	Major adverse, significant
17	Theberton Grange	48.6	54.3	5.7	Major adverse, significant	45.4	52.8	7.4	Major adverse, significant
18	Theberton House	50.9	54.5	3.6	Moderate adverse, significant	47.4	51.7	4.3	Moderate adverse, significant
19	Oakfield House	42.1	59.4	17.3	Major adverse, significant	39.1	54.8	15.7	Major adverse, significant
20	Hawthorn Cottages	43.6	54.7	11.1	Major adverse, significant	40.1	51.7	11.6	Major adverse, significant
21	Coronation Cottages	63.4	57.1	-6.3	Major beneficial, significant	60.1	53.7	-6.4	Major beneficial, significant
22	Annesons Corner	58.8	55.5	-3.3	Moderate beneficial, significant	54.9	52.1	-2.8	Minor beneficial, not significant

2028 Busiest Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
23	A12 Yoxford	70.8	70.6	-0.2	Negligible, not significant	67.9	67.7	-0.2	Negligible, not significant
24	A12 Yoxford Centre	72.9	72.8	-0.1	Negligible, not significant	69.8	69.7	-0.1	Negligible, not significant
25	B1122 East of Yoxford	57.6	59.5	1.9	Minor adverse, not significant	55.1	57.1	2.0	Minor adverse, not significant
26	B1122 Rail crossing	70.4	72.1	1.7	Minor adverse, not significant	67.3	67.7	0.4	Negligible, not significant
27	B1122 Middleton Moor	67.6	52.9	-14.7	Major beneficial, significant	64.9	49.8	-15.1	Major beneficial, significant
28	B1122 Theberton	67.2	52.8	-14.4	Major beneficial, significant	63.9	50.5	-13.4	Major beneficial, significant
29	Kelsale Lodge Cottages	71.0	70.9	-0.1	Negligible, not significant	67.1	66.9	-0.2	Negligible, not significant

2028 Busiest Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
30	Rosetta	62.5	64.0	1.5	Minor adverse, not significant	58.4	60.0	1.6	Minor adverse, not significant
31	Laurel Farm	72.0	73.5	1.5	Minor adverse, not significant	68.6	70.1	1.5	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	63.4	64.7	1.3	Minor adverse, not significant	59.5	60.9	1.4	Minor adverse, not significant
33	Rookery Farm	45.2	51.2	6.0	Major adverse, significant	42.2	48.1	5.9	Major adverse, significant
34	Keepers Cottage	41.8	48.5	6.7	Major adverse, significant	39.1	46.0	6.9	Major adverse, significant
35	Town Farm	44.5	48.5	4.0	Moderate adverse, significant	42.3	45.9	3.6	Moderate adverse, significant
36	Hawthorn Farm	41.2	48.5	7.3	Major adverse, significant	38.3	45.6	7.3	Major adverse, significant

2028 Busiest Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
37	Moat House	40.5	48.9	8.4	Major adverse, significant	38.3	47.1	8.8	Major adverse, significant
38	South of Theberton Grange	46.5	51.7	5.2	Major adverse, significant	43.5	49.0	5.5	Major adverse, significant
39	Yewtree Farm	44.6	46.9	2.3	Minor adverse, not significant	41.4	44.0	2.6	Minor adverse, not significant
40	Tollgate	59.0	51.1	-7.9	Major beneficial, significant	55.3	48.0	-7.3	Major beneficial, significant
41	Moor Buildings	46.6	48.5	1.9	Minor adverse, not significant	43.2	45.3	2.1	Minor adverse, not significant
42	Rose Farm	41.0	46.2	5.2	Major adverse, significant	38.1	43.1	5.0	Major adverse, significant
43	South of Theberton Hall Farm	43.5	44.4	0.9	Negligible, not significant	40.5	41.8	1.3	Minor adverse, not significant

**Table 6.3.A.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)**

2028 Busiest Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	44.4	48.3	3.9	Moderate adverse, significant	44.0	46.0	2.0	Minor adverse, not significant
2	Buskie Farm	36.7	40.9	4.2	Moderate adverse, significant	36.5	40.6	4.1	Moderate adverse, significant
3	Fordley Hall	29.8	42.3	12.5	Major adverse, significant	29.3	44.5	15.2	Major adverse, significant
4	Norwood House	41.4	41.1	-0.3	Negligible, not significant	40.7	40.7	0.0	Negligible, not significant
5	Cross Roads	53.0	45.8	-7.2	Major beneficial, significant	52.4	45.8	-6.6	Major beneficial, significant
6	Garden House Farm	55.4	47.9	-7.5	Major beneficial, significant	55.2	47.9	-7.3	Major beneficial, significant
7	Mill Street	54.5	46.7	-7.8	Major beneficial, significant	54.8	47.3	-7.5	Major beneficial, significant



2028 Busiest Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	Yoxford Road	55.2	47.5	-7.7	Major beneficial, significant	55.5	48.4	-7.1	Major beneficial, significant
9	Hill Farm	52.3	49.3	-3	Moderate beneficial, significant	53.6	47.7	-5.9	Major beneficial, significant
10	Valley Farm	53.2	50.7	-2.5	Minor beneficial, not significant	54.3	48.8	-5.5	Major beneficial, significant
11	Annesons Cottage	51.4	51.3	-0.1	Negligible, not significant	53.1	49.0	-4.1	Moderate beneficial, significant
12	Trust Farm	37.0	43.6	6.6	Major adverse, significant	36.6	42.6	6.0	Major adverse, significant
13	Dovehouse Farm	32.0	40.3	8.3	Major adverse, significant	32.0	40.3	8.3	Major adverse, significant
14	Theberton Hall	37.2	43.8	6.6	Major adverse, significant	36.7	43.2	6.5	Major adverse, significant

2028 Busiest Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
15	Church Farm	31.8	40.2	8.4	Major adverse, significant	31.2	39.1	7.9	Major adverse, significant
16	Doughty Wylie Crescent	40.3	48.5	8.2	Major adverse, significant	43.1	45.0	1.9	Minor adverse, not significant
17	Theberton Grange	38.5	48.0	9.5	Major adverse, significant	38.1	44.7	6.6	Major adverse, significant
18	Theberton House	41.3	46.8	5.5	Major adverse, significant	40.9	45.6	4.7	Moderate adverse, significant
19	Oakfield House	32.4	48.5	16.1	Major adverse, significant	31.8	47.8	16.0	Major adverse, significant
20	Hawthorn Cottages	34.0	44.8	10.8	Major adverse, significant	33.6	44.9	11.3	Major adverse, significant
21	Coronation Cottages	54.3	51.4	-2.9	Minor beneficial, not significant	55.0	49.7	-5.3	Major beneficial, significant

2028 Busiest Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
22	Annesons Corner	51.7	49.9	-1.8	Minor beneficial, not significant	53.4	48.0	-5.4	Major beneficial, significant
23	A12 Yoxford	58.8	58.8	0	Negligible, not significant	59.4	59.5	0.1	Negligible, not significant
24	A12 Yoxford Centre	61.0	61.2	0.2	Negligible, not significant	61.8	62.2	0.4	Negligible, not significant
25	B1122 East of Yoxford	51.3	53.2	1.9	Minor adverse, not significant	51.1	53.6	2.5	Minor adverse, not significant
26	B1122 Rail crossing	57.5	59.7	2.2	Minor adverse, not significant	56.1	58.7	2.6	Minor adverse, not significant
27	B1122 Middleton Moor	56.1	46.4	-9.7	Major beneficial, significant	55.7	47.5	-8.2	Major beneficial, significant
28	B1122 Theberton	56.0	47.5	-8.5	Major beneficial, significant	56.9	49.1	-7.8	Major beneficial, significant

2028 Busiest Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
29	Kelsale Lodge Cottages	60.1	60.1	0	Negligible, not significant	60.5	60.5	0.0	Negligible, not significant
30	Rosetta	51.3	53.9	2.6	Minor adverse, not significant	50.9	53.3	2.4	Minor adverse, not significant
31	Laurel Farm	60.8	62.1	1.3	Minor adverse, not significant	61.0	62.3	1.3	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	52.3	54.2	1.9	Minor adverse, not significant	51.8	53.8	2.0	Minor adverse, not significant
33	Rookery Farm	34.6	40.1	5.5	Major adverse, significant	34.3	40.0	5.7	Major adverse, significant
34	Keepers Cottage	32.8	38.0	5.2	Major adverse, significant	32.9	38.0	5.1	Major adverse, significant
35	Town Farm	33.8	38.0	4.2	Moderate adverse, significant	33.4	37.9	4.5	Moderate adverse, significant

2028 Busiest Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
36	Hawthorn Farm	31.1	38.5	7.4	Major adverse, significant	31.0	38.4	7.4	Major adverse, significant
37	Moat House	30.5	42.4	11.9	Major adverse, significant	30.4	38.9	8.5	Major adverse, significant
38	South of Theberton Grange	36.5	41.4	4.9	Moderate adverse, significant	34.8	40.7	5.9	Major adverse, significant
39	Yewtree Farm	34.6	36.9	2.3	Minor adverse, not significant	34.4	36.9	2.5	Minor adverse, not significant
40	Tollgate	53.7	46.3	-7.4	Major beneficial, significant	53.5	48.0	-5.5	Major beneficial, significant
41	Moor Buildings	36.5	38.9	2.4	Minor adverse, not significant	36.4	39.2	2.8	Minor adverse, not significant
42	Rose Farm	35.6	37.9	2.3	Minor adverse, not significant	36.5	36.3	-0.2	Negligible, not significant



2028 Busiest Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
43	South of Theberton Hall Farm	32.3	33.6	1.3	Minor adverse, not significant	33.6	34.7	1.1	Minor adverse, not significant

**Table 6.3.A.5: Predicted level differences and effects for the typical day in 2034**

2034 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Fir Tree Farm	55.1	55.4	0.3	Negligible, not significant	51.7	52.1	0.4	Negligible, not significant
2	Buskie Farm	48.7	49.6	0.9	Negligible, not significant	46.3	46.8	0.5	Negligible, not significant
3	Fordley Hall	39.5	46.0	6.5	Moderate adverse, significant	36.5	41.5	5.0	Moderate adverse, significant
4	Norwood House	50.8	47.9	-2.9	Negligible, not significant	46.5	44.8	-1.7	Negligible, not significant
5	Cross Roads	58.0	49.5	-8.5	Moderate beneficial, significant	51.4	45.0	-6.4	Moderate beneficial, significant
6	Garden House Farm	64.1	51.7	-12.4	Major beneficial, significant	60.6	48.3	-12.3	Major beneficial, significant
7	Mill Street	60.9	49.3	-11.6	Major beneficial, significant	57.3	46.1	-11.2	Major beneficial, significant

2034 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
8	Yoxford Road	66.1	50.6	-15.5	Major beneficial, significant	63.4	47.4	-16.0	Major beneficial, significant
9	Hill Farm	59.5	50.9	-8.6	Moderate beneficial, significant	55.0	47.6	-7.4	Moderate beneficial, significant
10	Valley Farm	61.4	51.9	-9.5	Moderate beneficial, significant	57.7	49.1	-8.6	Moderate beneficial, significant
11	Annesons Cottage	58.3	52.9	-5.4	Moderate beneficial, significant	54.0	49.6	-4.4	Minor beneficial, not significant
12	Trust Farm	42.9	48.8	5.9	Moderate adverse, significant	40.6	46.1	5.5	Moderate adverse, significant
13	Dovehouse Farm	42.3	47.5	5.2	Moderate adverse, significant	39.5	44.5	5.0	Moderate adverse, significant
14	Theberton Hall	46.6	47.5	0.9	Negligible, not significant	43.8	44.7	0.9	Negligible, not significant
15	Church Farm	41.4	46.1	4.7	Minor adverse,	38.1	43.1	5.0	Moderate adverse, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

2034 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
					not significant				
16	Doughty Wylie Crescent	50.4	52.9	2.5	Negligible, not significant	47.0	49.6	2.6	Negligible, not significant
17	Theberton Grange	48.8	51.4	2.6	Negligible, not significant	45.6	49.3	3.7	Minor adverse, not significant
18	Theberton House	51.0	51.9	0.9	Negligible, not significant	47.6	48.3	0.7	Negligible, not significant
19	Oakfield House	42.3	54.4	12.1	Major adverse, significant	39.3	50.5	11.2	Major adverse, significant
20	Hawthorn Cottages	43.7	50.8	7.1	Moderate adverse, significant	40.3	47.8	7.5	Moderate adverse, significant
21	Coronation Cottages	63.6	53.6	-10.0	Major beneficial, significant	60.3	50.2	-10.1	Major beneficial, significant
22	Annesons Corner	59.0	52.0	-7.0	Moderate beneficial, significant	55.0	48.6	-6.4	Moderate beneficial, significant

2034 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
23	A12 Yoxford	70.8	70.8	0.0	Negligible, not significant	68.1	67.9	-0.2	Negligible, not significant
24	A12 Yoxford Centre	73.1	72.9	-0.2	Negligible, not significant	70.0	69.8	-0.2	Negligible, not significant
25	B1122 East of Yoxford	57.9	57.2	-0.7	Negligible, not significant	55.1	54.7	-0.4	Negligible, not significant
26	B1122 Rail crossing	70.7	70.0	-0.7	Negligible, not significant	67.3	66.8	-0.5	Negligible, not significant
27	B1122 Middleton Moor	67.9	51.8	-16.1	Major beneficial, significant	65.1	49.0	-16.1	Major beneficial, significant
28	B1122 Theberton	67.4	50.9	-16.5	Major beneficial, significant	64.1	47.7	-16.4	Major beneficial, significant
29	Kelsale Lodge Cottages	71.0	71.0	0.0	Negligible, not significant	67.3	67.1	-0.2	Negligible, not significant
30	Rosetta	62.6	62.7	0.1	Negligible, not significant	58.6	58.8	0.2	Negligible, not significant

2034 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
31	Laurel Farm	72.1	72.2	0.1	Negligible, not significant	68.8	68.9	0.1	Negligible, not significant
32	Red House Farm / Mile Hill Barn	63.4	63.4	0.0	Negligible, not significant	59.7	59.8	0.1	Negligible, not significant
33	Rookery Farm	45.3	47.5	2.2	Negligible, not significant	42.3	44.5	2.2	Negligible, not significant
34	Keepers Cottage	41.9	44.7	2.8	Negligible, not significant	39.3	42.0	2.7	Negligible, not significant
35	Town Farm	44.6	45.8	1.2	Negligible, not significant	42.4	43.3	0.9	Negligible, not significant
36	Hawthorn Farm	41.3	44.9	3.6	Minor adverse, not significant	38.5	42.0	3.5	Minor adverse, not significant
37	Moat House	40.7	45.6	4.9	Minor adverse, not significant	38.5	43.7	5.2	Moderate adverse, significant

2034 Typical Day		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
38	South of Theberton Grange	46.7	49.0	2.3	Negligible, not significant	43.7	45.6	1.9	Negligible, not significant
39	Yewtree Farm	44.8	44.2	-0.6	Negligible, not significant	41.6	41.4	-0.2	Negligible, not significant
40	Tollgate	59.3	49.6	-9.7	Moderate beneficial, significant	55.6	46.7	-8.9	Moderate beneficial, significant
41	Moor Buildings	46.8	46.4	-0.4	Negligible, not significant	43.9	43.6	-0.3	Negligible, not significant
42	Rose Farm	41.2	42.6	1.4	Negligible, not significant	38.3	39.6	1.3	Negligible, not significant
43	South of Theberton Hall Farm	43.7	41.3	-2.4	Negligible, not significant	40.7	38.6	-2.1	Negligible, not significant

**Table 6.3.A.6: Predicted level differences and effects for the typical night in 2034**

2034 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Fir Tree Farm	44.4	46.6	2.2	Negligible, not significant	44.0	44.4	0.4	Negligible, not significant
2	Buskie Farm	36.8	38.2	1.4	Negligible, not significant	36.6	37.7	1.1	Negligible, not significant
3	Fordley Hall	29.7	39.9	10.2	Major adverse, significant	29.4	42.0	12.6	Major adverse, significant
4	Norwood House	41.0	38.0	-3.0	Minor beneficial, not significant	40.9	37.7	-3.2	Minor beneficial, not significant
5	Cross Roads	51.1	44.6	-6.5	Moderate beneficial, significant	52.5	45.0	-7.5	Moderate beneficial, significant
6	Garden House Farm	54.5	46.3	-8.2	Moderate beneficial, significant	55.3	47.2	-8.1	Moderate beneficial, significant
7	Mill Street	53.3	44.9	-8.4	Moderate beneficial, significant	54.9	46.0	-8.9	Moderate beneficial, significant



2034 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
8	Yoxford Road	55.3	41.6	-13.7	Major beneficial, significant	55.6	44.0	-11.6	Major beneficial, significant
9	Hill Farm	52.5	45.8	-6.7	Moderate beneficial, significant	53.6	43.2	-10.4	Major beneficial, significant
10	Valley Farm	53.3	47.4	-5.9	Moderate beneficial, significant	54.3	44.2	-10.1	Major beneficial, significant
11	Annesons Cottage	51.5	48.3	-3.2	Minor beneficial, not significant	53.1	44.5	-8.6	Moderate beneficial, significant
12	Trust Farm	35.5	39.1	3.6	Minor adverse, not significant	36.7	38.4	1.7	Negligible, not significant
13	Dovehouse Farm	32.2	36.4	4.2	Minor adverse, not significant	32.1	36.3	4.2	Minor adverse, not significant
14	Theberton Hall	37.3	39.5	2.2	Negligible, not significant	36.8	40.1	3.3	Minor adverse,

2034 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
									not significant
15	Church Farm	31.9	35.6	3.7	Minor adverse, not significant	31.3	35.1	3.8	Minor adverse, not significant
16	Doughty Wylie Crescent	40.4	45.3	4.9	Minor adverse, not significant	43.2	41.3	-1.9	Negligible, not significant
17	Theberton Grange	38.6	45.6	7.0	Moderate adverse, significant	38.2	40.7	2.5	Negligible, not significant
18	Theberton House	41.4	43.9	2.5	Negligible, not significant	41.0	41.6	0.6	Negligible, not significant
19	Oakfield House	32.1	43.7	11.6	Major adverse, significant	31.8	43.4	11.6	Major adverse, significant
20	Hawthorn Cottages	34.2	40.6	6.4	Moderate adverse, significant	33.7	40.5	6.8	Moderate adverse, significant

2034 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
21	Coronation Cottages	54.4	48.1	-6.3	Moderate beneficial, significant	55.1	45.1	-10.0	Major beneficial, significant
22	Annesons Corner	51.8	46.9	-4.9	Minor beneficial, not significant	53.4	43.5	-9.9	Moderate beneficial, significant
23	A12 Yoxford	58.8	58.8	0.0	Negligible, not significant	59.4	59.5	0.1	Negligible, not significant
24	A12 Yoxford Centre	61.1	61.0	-0.1	Negligible, not significant	62.0	61.9	-0.1	Negligible, not significant
25	B1122 East of Yoxford	51.4	51.2	-0.2	Negligible, not significant	51.2	51.3	0.1	Negligible, not significant
26	B1122 Rail crossing	57.6	57.5	-0.1	Negligible, not significant	56.3	58.4	2.1	Negligible, not significant
27	B1122 Middleton Moor	55.7	46.4	-9.3	Moderate beneficial, significant	55.9	47.4	-8.5	Moderate beneficial, significant

2034 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
28	B1122 Theberton	56.1	46.0	-10.1	Major beneficial, significant	57.0	46.9	-10.1	Major beneficial, significant
29	Kelsale Lodge Cottages	60.1	60.1	0.0	Negligible, not significant	60.5	60.4	-0.1	Negligible, not significant
30	Rosetta	51.4	52.6	1.2	Negligible, not significant	51.0	52.0	1.0	Negligible, not significant
31	Laurel Farm	60.9	61.0	0.1	Negligible, not significant	61.1	61.1	0.0	Negligible, not significant
32	Red House Farm / Mile Hill Barn	52.3	52.8	0.5	Negligible, not significant	52.0	52.3	0.3	Negligible, not significant
33	Rookery Farm	34.6	36.4	1.8	Negligible, not significant	34.3	36.2	1.9	Negligible, not significant
34	Keepers Cottage	32.9	34.6	1.7	Negligible, not significant	33.0	34.7	1.7	Negligible, not significant
35	Town Farm	33.9	35.0	1.1	Negligible, not significant	33.5	34.6	1.1	Negligible, not significant

2034 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
36	Hawthorn Farm	31.2	34.3	3.1	Minor adverse, not significant	31.0	34.2	3.2	Minor adverse, not significant
37	Moat House	30.6	39.9	9.3	Moderate adverse, significant	30.5	35.0	4.5	Minor adverse, not significant
38	South of Theberton Grange	36.7	38.2	1.5	Negligible, not significant	34.9	36.7	1.8	Negligible, not significant
39	Yewtree Farm	34.7	33.6	-1.1	Negligible, not significant	34.5	33.6	-0.9	Negligible, not significant
40	Tollgate	52.0	45.9	-6.1	Moderate beneficial, significant	53.6	47.2	-6.4	Moderate beneficial, significant
41	Moor Buildings	36.3	36.2	-0.1	Negligible, not significant	36.6	36.4	-0.2	Negligible, not significant
42	Rose Farm	33.6	35.4	1.8	Negligible, not significant	36.5	33.1	-3.4	Minor beneficial, not significant

2034 Typical Night		As submitted in ES Volume 6, Chapter 4				Corrected values			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
43	South of Theberton Hall Farm	32.4	30.0	-2.4	Negligible, not significant	33.8	31.1	-2.7	Negligible, not significant

---

## APPENDIX 6.3.B: SIZEWELL LINK ROAD – ROAD TRAFFIC NOISE LEVELS, UPDATED FOR REFINEMENTS TO THE STRATEGIC TRAFFIC MODEL

## APPENDIX 6.3.B: INTRODUCTION

- 1.1.1 This appendix contains road traffic noise level predictions for the Sizewell Link Road that have been updated from those contained in **Volume 6, Chapter 4** of the **ES** (Doc Ref 6.7) [APP-451] to take account of changes to the refined strategic traffic model.
- 1.1.2 Tables presented show the corrected predicted noise levels, as set out in **Appendix 6.3.A** of this **ES Addendum**, and the values updated to take account of the changes to the refined strategic traffic model, for the following scenarios:
- Table 6.3.B.1: Predicted level differences and effects for the typical day in the peak construction year (in 2028)
- Table 6.3.B.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)
- Table 6.3.B.3: Predicted level differences and effects for the busiest day in the peak construction year (in 2028)
- Table 6.3.B.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)
- Table 6.3.B.5: Predicted level differences and effects for the typical day in 2034
- Table 6.3.B.6: Predicted level differences and effects for the typical night in 2034
- 1.1.3 Where the updated predicted levels cause a change in the assessment outcome that is worse than that for the corrected values reported in **Appendix 6.3.A** of this **ES Addendum**, the cell containing the assessment effect is coloured orange. Where the updated predicted levels cause a change in the assessment outcome that is better than that for the corrected values reported in **Appendix 6.3.A** of this **ES Addendum**, the cell containing the assessment effect is coloured green. Where the updated predicted levels do not cause a change in the assessment outcome, the cell is not shaded with any colour.



**Table 6.3.B.1: Predicted level differences and effects for the typical day in the peak construction year (in 2028)**

2028 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	51.6	53.0	1.4	Minor adverse, not significant	51.6	53.1	1.5	Minor adverse, not significant
2	Buskie Farm	46.1	48.4	2.3	Minor adverse, not significant	46.1	48.6	2.5	Minor adverse, not significant
3	Fordley Hall	36.4	44.9	8.5	Major adverse, significant	36.4	45.1	8.7	Major adverse, significant
4	Norwood House	46.2	47.0	0.8	Negligible, not significant	46.2	47.0	0.8	Negligible, not significant
5	Cross Roads	51.1	47.5	-3.6	Moderate beneficial, significant	51.1	47.6	-3.5	Moderate beneficial, significant
6	Garden House Farm	60.4	50.2	-10.2	Major beneficial, significant	60.4	50.3	-10.1	Major beneficial, significant
7	Mill Street	57.0	48.1	-8.9	Major beneficial, significant	57.0	48.2	-8.8	Major beneficial, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

NOT PROTECTIVELY MARKED

2028 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	Yoxford Road	63.3	50.0	-13.3	Major beneficial, significant	63.3	50.1	-13.2	Major beneficial, significant
9	Hill Farm	54.8	50.7	-4.1	Moderate beneficial, significant	54.8	50.8	-4.0	Moderate beneficial, significant
10	Valley Farm	57.5	52.3	-5.2	Major beneficial, significant	57.5	52.4	-5.1	Major beneficial, significant
11	Annesons Cottage	53.9	52.8	-1.1	Minor beneficial, not significant	53.9	52.9	-1.0	Minor beneficial, not significant
12	Trust Farm	40.5	49.4	8.9	Major adverse, significant	40.5	49.5	9.0	Major adverse, significant
13	Dovehouse Farm	39.4	47.4	8.0	Major adverse, significant	39.4	47.6	8.2	Major adverse, significant
14	Theberton Hall	43.6	47.4	3.8	Moderate adverse, significant	43.6	47.6	4.0	Moderate adverse, significant
15	Church Farm	37.9	46.0	8.1	Major adverse, significant	37.9	46.1	8.2	Major adverse, significant

2028 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
16	Doughty Wylie Crescent	46.8	52.3	5.5	Major adverse, significant	46.8	52.6	5.8	Major adverse, significant
17	Theberton Grange	45.4	51.9	6.5	Major adverse, significant	45.4	52.3	6.9	Major adverse, significant
18	Theberton House	47.4	51.1	3.7	Moderate adverse, significant	47.4	51.3	3.9	Moderate adverse, significant
19	Oakfield House	39.1	53.9	14.8	Major adverse, significant	39.1	54.0	14.9	Major adverse, significant
20	Hawthorn Cottages	40.1	51.1	11.0	Major adverse, significant	40.1	51.2	11.1	Major adverse, significant
21	Coronation Cottages	60.1	53.1	-7.0	Major beneficial, significant	60.1	53.2	-6.9	Major beneficial, significant
22	Annesons Corner	54.9	51.5	-3.4	Moderate beneficial, significant	54.9	51.6	-3.3	Moderate beneficial, significant
23	A12 Yoxford	67.9	67.8	-0.1	Negligible, not significant	67.9	67.8	-0.1	Negligible, not significant

2028 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
24	A12 Yoxford Centre	69.8	69.7	-0.1	Negligible, not significant	69.8	69.8	0.0	Negligible, not significant
25	B1122 East of Yoxford	55.1	57.0	1.9	Minor adverse, not significant	55.1	56.8	1.7	Minor adverse, not significant
26	B1122 Rail crossing	67.3	68.8	1.5	Minor adverse, not significant	67.3	68.7	1.4	Minor adverse, not significant
27	B1122 Middleton Moor	64.9	49.6	-15.3	Major beneficial, significant	64.9	49.6	-15.3	Major beneficial, significant
28	B1122 Theberton	63.9	49.1	-14.8	Major beneficial, significant	63.9	49.1	-14.8	Major beneficial, significant
29	Kelsale Lodge Cottages	67.1	67.0	-0.1	Negligible, not significant	67.1	67.0	-0.1	Negligible, not significant
30	Rosetta	58.4	59.8	1.4	Minor adverse, not significant	58.4	59.8	1.4	Minor adverse, not significant

2028 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
31	Laurel Farm	68.6	69.8	1.2	Minor adverse, not significant	68.6	69.8	1.2	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	59.5	60.8	1.3	Minor adverse, not significant	59.5	60.8	1.3	Minor adverse, not significant
33	Rookery Farm	42.2	47.4	5.2	Major adverse, significant	42.2	47.6	5.4	Major adverse, significant
34	Keepers Cottage	39.1	45.2	6.1	Major adverse, significant	39.1	45.4	6.3	Major adverse, significant
35	Town Farm	42.3	45.2	2.9	Minor adverse, not significant	42.3	45.3	3.0	Moderate adverse, significant
36	Hawthorn Farm	38.3	45.0	6.7	Major adverse, significant	38.3	45.2	6.9	Major adverse, significant
37	Moat House	38.3	46.4	8.1	Major adverse, significant	38.3	46.7	8.4	Major adverse, significant

2028 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
38	South of Theberton Grange	43.5	48.2	4.7	Moderate adverse, significant	43.5	48.6	5.1	Major adverse, significant
39	Yewtree Farm	41.4	43.6	2.2	Minor adverse, not significant	41.4	43.7	2.3	Minor adverse, not significant
40	Tollgate	55.3	48.0	-7.3	Major beneficial, significant	55.3	48.0	-7.3	Major beneficial, significant
41	Moor Buildings	43.2	45.5	2.3	Minor adverse, not significant	43.2	45.5	2.3	Minor adverse, not significant
42	Rose Farm	38.1	42.5	4.4	Moderate adverse, significant	38.1	42.6	4.5	Moderate adverse, significant
43	South of Theberton Hall Farm	40.5	41.2	0.7	Negligible, not significant	40.5	41.3	0.8	Negligible, not significant

**Table 6.3.B.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)**

2028 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	44	45.9	1.9	Minor adverse, not significant	44.0	46.0	2.0	Minor adverse, not significant
2	Buskie Farm	36.5	40.4	3.9	Moderate adverse, significant	36.5	40.4	3.9	Moderate adverse, significant
3	Fordley Hall	29.3	44.5	15.2	Major adverse, significant	29.3	44.5	15.2	Major adverse, significant
4	Norwood House	40.7	40.7	0	Negligible, not significant	40.7	41.0	0.3	Negligible, not significant
5	Cross Roads	52.4	45.8	-6.6	Major beneficial, significant	52.4	45.9	-6.5	Major beneficial, significant
6	Garden House Farm	55.2	47.9	-7.3	Major beneficial, significant	55.2	47.9	-7.3	Major beneficial, significant
7	Mill Street	54.8	47.2	-7.6	Major beneficial, significant	54.8	47.3	-7.5	Major beneficial, significant

2028 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	Yoxford Road	55.5	48.4	-7.1	Major beneficial, significant	55.5	48.4	-7.1	Major beneficial, significant
9	Hill Farm	53.6	47.6	-6	Major beneficial, significant	53.6	47.6	-6.0	Major beneficial, significant
10	Valley Farm	54.3	48.7	-5.6	Major beneficial, significant	54.3	48.7	-5.6	Major beneficial, significant
11	Annesons Cottage	53.1	48.9	-4.2	Moderate beneficial, significant	53.1	48.9	-4.2	Moderate beneficial, significant
12	Trust Farm	36.6	42.4	5.8	Major adverse, significant	36.6	42.5	5.9	Major adverse, significant
13	Dovehouse Farm	32	40.2	8.2	Major adverse, significant	32.0	40.3	8.3	Major adverse, significant
14	Theberton Hall	36.7	43.1	6.4	Major adverse, significant	36.7	43.2	6.5	Major adverse, significant
15	Church Farm	31.2	38.9	7.7	Major adverse, significant	31.2	39.0	7.8	Major adverse, significant



2028 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
16	Doughty Wylie Crescent	43.1	46.5	3.4	Moderate adverse, not significant	43.1	46.4	3.3	Moderate adverse, not significant
17	Theberton Grange	38.1	44.6	6.5	Major adverse, significant	38.1	44.7	6.6	Major adverse, significant
18	Theberton House	40.9	45.4	4.5	Moderate adverse, significant	40.9	45.5	4.6	Moderate adverse, significant
19	Oakfield House	31.8	47.7	15.9	Major adverse, significant	31.8	47.7	15.9	Major adverse, significant
20	Hawthorn Cottages	33.6	44.7	11.1	Major adverse, significant	33.6	44.8	11.2	Major adverse, significant
21	Coronation Cottages	55	49.6	-5.4	Major beneficial, significant	55.0	49.6	-5.4	Major beneficial, significant
22	Annesons Corner	53.4	47.9	-5.5	Major beneficial, significant	53.4	48.0	-5.4	Major beneficial, significant
23	A12 Yoxford	59.4	59.5	0.1	Negligible, not significant	59.4	59.5	0.1	Negligible, not significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

NOT PROTECTIVELY MARKED

2028 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
24	A12 Yoxford Centre	61.8	62.1	0.3	Negligible, not significant	61.8	62.1	0.3	Negligible, not significant
25	B1122 East of Yoxford	51.1	53.6	2.5	Minor adverse, not significant	51.1	53.6	2.5	Minor adverse, not significant
26	B1122 Rail crossing	56.1	58.7	2.6	Minor adverse, not significant	56.1	58.9	2.8	Minor adverse, not significant
27	B1122 Middleton Moor	55.7	47.5	-8.2	Major beneficial, significant	55.7	47.6	-8.1	Major beneficial, significant
28	B1122 Theberton	56.9	48.6	-8.3	Major beneficial, significant	56.9	48.6	-8.3	Major beneficial, significant
29	Kelsale Lodge Cottages	60.5	60.5	0	Negligible, not significant	60.5	60.7	0.2	Negligible, not significant
30	Rosetta	50.9	53.2	2.3	Minor adverse, not significant	50.9	52.7	1.8	Minor adverse, not significant

2028 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
31	Laurel Farm	61	62.2	1.2	Minor adverse, not significant	61.0	62.3	1.3	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	51.8	53.7	1.9	Minor adverse, not significant	51.8	53.6	1.8	Minor adverse, not significant
33	Rookery Farm	34.3	40.1	5.8	Major adverse, significant	34.3	40.2	5.9	Major adverse, significant
34	Keepers Cottage	32.9	37.9	5	Major adverse, significant	32.9	38.0	5.1	Major adverse, significant
35	Town Farm	33.4	37.8	4.4	Moderate adverse, significant	33.4	37.9	4.5	Moderate adverse, significant
36	Hawthorn Farm	31	38.2	7.2	Major adverse, significant	31.0	38.3	7.3	Major adverse, significant
37	Moat House	30.4	38.8	8.4	Major adverse, significant	30.4	38.8	8.4	Major adverse, significant

2028 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
38	South of Theberton Grange	34.8	40.6	5.8	Major adverse, significant	34.8	40.7	5.9	Major adverse, significant
39	Yewtree Farm	34.4	36.7	2.3	Minor adverse, not significant	34.4	36.8	2.4	Minor adverse, not significant
40	Tollgate	53.5	48	-5.5	Major beneficial, significant	53.5	48.5	-5.0	Major beneficial, significant
41	Moor Buildings	36.4	39.1	2.7	Minor adverse, not significant	36.4	39.3	2.9	Minor adverse, not significant
42	Rose Farm	36.5	36.2	-0.3	Negligible, not significant	36.5	36.3	-0.2	Negligible, not significant
43	South of Theberton Hall Farm	33.6	34.5	0.9	Negligible, not significant	33.6	34.6	1.0	Minor Adverse, not significant

**Table 6.3.B.3: Predicted level differences and effects for the busiest day in the peak construction year (in 2028)**

2028 Busiest Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	51.6	53.1	1.5	Minor adverse, not significant	51.6	53.0	1.4	Minor adverse, not significant
2	Buskie Farm	46.1	49.3	3.2	Moderate adverse, significant	46.1	49.2	3.1	Moderate adverse, significant
3	Fordley Hall	36.4	45.7	9.3	Major adverse, significant	36.4	45.6	9.2	Major adverse, significant
4	Norwood House	46.2	47.4	1.2	Minor adverse, not significant	46.2	47.3	1.1	Minor adverse, not significant
5	Cross Roads	51.1	48.1	-3.0	Moderate beneficial, significant	51.1	48.0	-3.1	Moderate beneficial, significant
6	Garden House Farm	60.4	50.6	-9.8	Major beneficial, significant	60.4	50.6	-9.8	Major beneficial, significant
7	Mill Street	57.0	48.6	-8.4	Major beneficial, significant	57.0	48.6	-8.4	Major beneficial, significant

2028 Busiest Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	Yoxford Road	63.3	50.5	-12.8	Major beneficial, significant	63.3	50.4	-12.9	Major beneficial, significant
9	Hill Farm	54.8	51.3	-3.5	Moderate beneficial, significant	54.8	51.3	-3.5	Moderate beneficial, significant
10	Valley Farm	57.5	52.9	-4.6	Moderate beneficial, significant	57.5	52.8	-4.7	Moderate beneficial, significant
11	Annesons Cottage	53.9	53.4	-0.5	Negligible, not significant	53.9	53.4	-0.5	Negligible, not significant
12	Trust Farm	40.5	50.0	9.5	Major adverse, significant	40.5	50.0	9.5	Major adverse, significant
13	Dovehouse Farm	39.4	48.0	8.6	Major adverse, significant	39.4	48.0	8.6	Major adverse, significant
14	Theberton Hall	43.6	48.0	4.4	Moderate adverse, significant	43.6	47.9	4.3	Moderate adverse, significant
15	Church Farm	37.9	46.6	8.7	Major adverse, significant	37.9	46.5	8.6	Major adverse, significant

2028 Busiest Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
16	Doughty Wylie Crescent	46.8	53.1	6.3	Major adverse, significant	46.8	53.0	6.2	Major adverse, significant
17	Theberton Grange	45.4	52.8	7.4	Major adverse, significant	45.4	52.7	7.3	Major adverse, significant
18	Theberton House	47.4	51.7	4.3	Moderate adverse, significant	47.4	51.7	4.3	Moderate adverse, significant
19	Oakfield House	39.1	54.8	15.7	Major adverse, significant	39.1	54.7	15.6	Major adverse, significant
20	Hawthorn Cottages	40.1	51.7	11.6	Major adverse, significant	40.1	51.7	11.6	Major adverse, significant
21	Coronation Cottages	60.1	53.7	-6.4	Major beneficial, significant	60.1	53.6	-6.5	Major beneficial, significant
22	Annesons Corner	54.9	52.1	-2.8	Minor beneficial, not significant	54.9	52.1	-2.8	Minor beneficial, not significant

2028 Busiest Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
23	A12 Yoxford	67.9	67.7	-0.2	Negligible, not significant	67.9	67.6	-0.3	Negligible, not significant
24	A12 Yoxford Centre	69.8	69.7	-0.1	Negligible, not significant	69.8	69.6	-0.2	Negligible, not significant
25	B1122 East of Yoxford	55.1	57.1	2.0	Minor adverse, not significant	55.1	56.8	1.7	Minor adverse, not significant
26	B1122 Rail crossing	67.3	67.7	0.4	Negligible, not significant	67.3	67.5	0.2	Negligible, not significant
27	B1122 Middleton Moor	64.9	49.8	-15.1	Major beneficial, significant	64.9	49.8	-15.1	Major beneficial, significant
28	B1122 Theberton	63.9	50.5	-13.4	Major beneficial, significant	63.9	49.2	-14.7	Major beneficial, significant
29	Kelsale Lodge Cottages	67.1	66.9	-0.2	Negligible, not significant	67.1	66.8	-0.3	Negligible, not significant
30	Rosetta	58.4	60.0	1.6	Minor adverse,	58.4	59.9	1.5	Minor adverse,



2028 Busiest Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
					not significant				not significant
31	Laurel Farm	68.6	70.1	1.5	Minor adverse, not significant	68.6	70.0	1.4	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	59.5	60.9	1.4	Minor adverse, not significant	59.5	60.8	1.3	Minor adverse, not significant
33	Rookery Farm	42.2	48.1	5.9	Major adverse, significant	42.2	48.1	5.9	Major adverse, significant
34	Keepers Cottage	39.1	46.0	6.9	Major adverse, significant	39.1	45.9	6.8	Major adverse, significant
35	Town Farm	42.3	45.9	3.6	Moderate adverse, significant	42.3	45.8	3.5	Moderate adverse, significant
36	Hawthorn Farm	38.3	45.6	7.3	Major adverse, significant	38.3	45.6	7.3	Major adverse, significant
37	Moat House	38.3	47.1	8.8	Major adverse, significant	38.3	47.0	8.7	Major adverse, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

NOT PROTECTIVELY MARKED

2028 Busiest Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
38	South of Theberton Grange	43.5	49.0	5.5	Major adverse, significant	43.5	49	5.5	Major adverse, significant
39	Yewtree Farm	41.4	44.0	2.6	Minor adverse, not significant	41.4	44.0	2.6	Minor adverse, not significant
40	Tollgate	55.3	48.0	-7.3	Major beneficial, significant	55.3	47.9	-7.4	Major beneficial, significant
41	Moor Buildings	43.2	45.3	2.1	Minor adverse, not significant	43.2	45.5	2.3	Minor adverse, not significant
42	Rose Farm	38.1	43.1	5.0	Major adverse, significant	38.1	43.1	5.0	Major adverse, significant
43	South of Theberton Hall Farm	40.5	41.8	1.3	Minor adverse, not significant	40.5	41.7	1.2	Minor adverse, not significant

**Table 6.3.B.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)**

2028 Busiest Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	44.0	46.0	2.0	Minor adverse, not significant	44.0	46.0	2.0	Minor adverse, not significant
2	Buskie Farm	36.5	40.6	4.1	Moderate adverse, significant	36.5	40.5	4.0	Moderate adverse, significant
3	Fordley Hall	29.3	44.5	15.2	Major adverse, significant	29.3	44.5	15.2	Major adverse, significant
4	Norwood House	40.7	40.7	0.0	Negligible, not significant	40.7	40.8	0.1	Negligible, not significant
5	Cross Roads	52.4	45.8	-6.6	Major beneficial, significant	52.4	45.9	-6.5	Major beneficial, significant
6	Garden House Farm	55.2	47.9	-7.3	Major beneficial, significant	55.2	47.9	-7.3	Major beneficial, significant
7	Mill Street	54.8	47.3	-7.5	Major beneficial, significant	54.8	47.3	-7.5	Major beneficial, significant

2028 Busiest Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	Yoxford Road	55.5	48.4	-7.1	Major beneficial, significant	55.5	48.4	-7.1	Major beneficial, significant
9	Hill Farm	53.6	47.7	-5.9	Major beneficial, significant	53.6	47.7	-5.9	Major beneficial, significant
10	Valley Farm	54.3	48.8	-5.5	Major beneficial, significant	54.3	48.8	-5.5	Major beneficial, significant
11	Annesons Cottage	53.1	49.0	-4.1	Moderate beneficial, significant	53.1	49.0	-4.1	Moderate beneficial, significant
12	Trust Farm	36.6	42.6	6.0	Major adverse, significant	36.6	42.6	6.0	Major adverse, significant
13	Dovehouse Farm	32.0	40.3	8.3	Major adverse, significant	32.0	40.4	8.4	Major adverse, significant
14	Theberton Hall	36.7	43.2	6.5	Major adverse, significant	36.7	43.2	6.5	Major adverse, significant
15	Church Farm	31.2	39.1	7.9	Major adverse, significant	31.2	39.1	7.9	Major adverse, significant

2028 Busiest Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
16	Doughty Wylie Crescent	43.1	45.0	1.9	Minor adverse, not significant	43.1	45.0	1.9	Minor adverse, not significant
17	Theberton Grange	38.1	44.7	6.6	Major adverse, significant	38.1	44.7	6.6	Major adverse, significant
18	Theberton House	40.9	45.6	4.7	Moderate adverse, significant	40.9	45.6	4.7	Moderate adverse, significant
19	Oakfield House	31.8	47.8	16.0	Major adverse, significant	31.8	47.9	16.1	Major adverse, significant
20	Hawthorn Cottages	33.6	44.9	11.3	Major adverse, significant	33.6	44.9	11.3	Major adverse, significant
21	Coronation Cottages	55.0	49.7	-5.3	Major beneficial, significant	55.0	49.7	-5.3	Major beneficial, significant
22	Annesons Corner	53.4	48.0	-5.4	Major beneficial, significant	53.4	48.0	-5.4	Major beneficial, significant
23	A12 Yoxford	59.4	59.5	0.1	Negligible, not significant	59.4	59.5	0.1	Negligible, not significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

NOT PROTECTIVELY MARKED

2028 Busiest Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
24	A12 Yoxford Centre	61.8	62.2	0.4	Negligible, not significant	61.8	62.1	0.3	Negligible, not significant
25	B1122 East of Yoxford	51.1	53.6	2.5	Minor adverse, not significant	51.1	53.7	2.6	Minor adverse, not significant
26	B1122 Rail crossing	56.1	58.7	2.6	Minor adverse, not significant	56.1	58.6	2.5	Minor adverse, not significant
27	B1122 Middleton Moor	55.7	47.5	-8.2	Major beneficial, significant	55.7	47.6	-8.1	Major beneficial, significant
28	B1122 Theberton	56.9	49.1	-7.8	Major beneficial, significant	56.9	48.7	-8.2	Major beneficial, significant
29	Kelsale Lodge Cottages	60.5	60.5	0.0	Negligible, not significant	60.5	60.5	0.0	Negligible, not significant
30	Rosetta	50.9	53.3	2.4	Minor adverse, not significant	50.9	53.3	2.4	Minor adverse, not significant

2028 Busiest Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
31	Laurel Farm	61.0	62.3	1.3	Minor adverse, not significant	61.0	62.3	1.3	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	51.8	53.8	2.0	Minor adverse, not significant	51.8	53.8	2.0	Minor adverse, not significant
33	Rookery Farm	34.3	40.0	5.7	Major adverse, significant	34.3	40.3	6.0	Major adverse, significant
34	Keepers Cottage	32.9	38.0	5.1	Major adverse, significant	32.9	38.1	5.2	Major adverse, significant
35	Town Farm	33.4	37.9	4.5	Moderate adverse, significant	33.4	38	4.6	Moderate adverse, significant
36	Hawthorn Farm	31.0	38.4	7.4	Major adverse, significant	31.0	38.4	7.4	Major adverse, significant
37	Moat House	30.4	38.9	8.5	Major adverse, significant	30.4	38.9	8.5	Major adverse, significant

2028 Busiest Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
38	South of Theberton Grange	34.8	40.7	5.9	Major adverse, significant	34.8	40.7	5.9	Major adverse, significant
39	Yewtree Farm	34.4	36.9	2.5	Minor adverse, not significant	34.4	36.9	2.5	Minor adverse, not significant
40	Tollgate	53.5	48.0	-5.5	Major beneficial, significant	53.5	48.0	-5.5	Major beneficial, significant
41	Moor Buildings	36.4	39.2	2.8	Minor adverse, not significant	36.4	39.2	2.8	Minor adverse, not significant
42	Rose Farm	36.5	36.3	-0.2	Negligible, not significant	36.5	36.3	-0.2	Negligible, not significant
43	South of Theberton Hall Farm	33.6	34.7	1.1	Minor adverse, not significant	33.6	34.7	1.1	Minor adverse, not significant



**Table 6.3.B.5: Predicted level differences and effects for the typical day in 2034**

2034 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Fir Tree Farm	51.7	52.1	0.4	Negligible, not significant	51.7	52.1	0.4	Negligible, not significant
2	Buskie Farm	46.3	46.8	0.5	Negligible, not significant	46.3	46.8	0.5	Negligible, not significant
3	Fordley Hall	36.5	41.5	5.0	Moderate adverse, significant	36.5	41.5	5.0	Moderate adverse, significant
4	Norwood House	46.5	44.8	-1.7	Negligible, not significant	46.4	44.7	-1.7	Negligible, not significant
5	Cross Roads	51.4	45.0	-6.4	Moderate beneficial, significant	51.3	45.0	-6.3	Moderate beneficial, significant
6	Garden House Farm	60.6	48.3	-12.3	Major beneficial, significant	60.6	48.2	-12.4	Major beneficial, significant
7	Mill Street	57.3	46.1	-11.2	Major beneficial, significant	57.2	46.0	-11.2	Major beneficial, significant

2034 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
8	Yoxford Road	63.4	47.4	-16.0	Major beneficial, significant	63.4	47.4	-16.0	Major beneficial, significant
9	Hill Farm	55.0	47.6	-7.4	Moderate beneficial, significant	55.0	47.6	-7.4	Moderate beneficial, significant
10	Valley Farm	57.7	49.1	-8.6	Moderate beneficial, significant	57.6	49.1	-8.5	Moderate beneficial, significant
11	Annesons Cottage	54.0	49.6	-4.4	Minor beneficial, not significant	54.0	49.5	-4.5	Minor beneficial, not significant
12	Trust Farm	40.6	46.1	5.5	Moderate adverse, significant	40.6	46.1	5.5	Moderate adverse, significant
13	Dovehouse Farm	39.5	44.5	5.0	Moderate adverse, significant	39.5	44.5	5.0	Moderate adverse, significant
14	Theberton Hall	43.8	44.7	0.9	Negligible, not significant	43.7	44.6	0.9	Negligible, not significant
15	Church Farm	38.1	43.1	5.0	Moderate adverse, significant	38.0	43.1	5.1	Moderate adverse, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

NOT PROTECTIVELY MARKED

2034 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
16	Doughty Wylie Crescent	47.0	49.6	2.6	Negligible, not significant	46.9	49.6	2.7	Negligible, not significant
17	Theberton Grange	45.6	49.3	3.7	Minor adverse, not significant	45.5	49.2	3.7	Minor adverse, not significant
18	Theberton House	47.6	48.3	0.7	Negligible, not significant	47.6	48.2	0.6	Negligible, not significant
19	Oakfield House	39.3	50.5	11.2	Major adverse, significant	39.3	50.5	11.2	Major adverse, significant
20	Hawthorn Cottages	40.3	47.8	7.5	Moderate adverse, significant	40.2	47.7	7.5	Moderate adverse, significant
21	Coronation Cottages	60.3	50.2	-10.1	Major beneficial, significant	60.3	50.1	-10.2	Major beneficial, significant
22	Annesons Corner	55.0	48.6	-6.4	Moderate beneficial, significant	55.0	48.5	-6.5	Moderate beneficial, significant

2034 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
23	A12 Yoxford	68.1	67.9	-0.2	Negligible, not significant	68.1	67.9	-0.2	Negligible, not significant
24	A12 Yoxford Centre	70.0	69.8	-0.2	Negligible, not significant	69.9	69.8	-0.1	Negligible, not significant
25	B1122 East of Yoxford	55.1	54.7	-0.4	Negligible, not significant	55.3	54.5	-0.8	Negligible, not significant
26	B1122 Rail crossing	67.3	66.8	-0.5	Negligible, not significant	67.5	66.7	-0.8	Negligible, not significant
27	B1122 Middleton Moor	65.1	49.0	-16.1	Major beneficial, significant	65.1	49.0	-16.1	Major beneficial, significant
28	B1122 Theberton	64.1	47.7	-16.4	Major beneficial, significant	64.1	47.6	-16.5	Major beneficial, significant
29	Kelsale Lodge Cottages	67.3	67.1	-0.2	Negligible, not significant	67.2	67.1	-0.1	Negligible, not significant
30	Rosetta	58.6	58.8	0.2	Negligible, not significant	58.5	58.7	0.2	Negligible, not significant

2034 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
31	Laurel Farm	68.8	68.9	0.1	Negligible, not significant	68.7	68.9	0.2	Negligible, not significant
32	Red House Farm / Mile Hill Barn	59.7	59.8	0.1	Negligible, not significant	59.6	59.8	0.2	Negligible, not significant
33	Rookery Farm	42.3	44.5	2.2	Negligible, not significant	42.3	44.5	2.2	Negligible, not significant
34	Keepers Cottage	39.3	42.0	2.7	Negligible, not significant	39.3	41.9	2.6	Negligible, not significant
35	Town Farm	42.4	43.3	0.9	Negligible, not significant	42.4	43.3	0.9	Negligible, not significant
36	Hawthorn Farm	38.5	42.0	3.5	Minor adverse, not significant	38.5	42.0	3.5	Minor adverse, not significant
37	Moat House	38.5	43.7	5.2	Moderate adverse, significant	38.4	43.6	5.2	Moderate adverse, significant
38	South of Theberton Grange	43.7	45.6	1.9	Negligible, not significant	43.6	45.5	1.9	Negligible, not significant

2034 Typical Day		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
39	Yewtree Farm	41.6	41.4	-0.2	Negligible, not significant	41.5	41.4	-0.1	Negligible, not significant
40	Tollgate	55.6	46.7	-8.9	Moderate beneficial, significant	55.5	46.7	-8.8	Moderate beneficial, significant
41	Moor Buildings	43.9	43.6	-0.3	Negligible, not significant	44.0	43.5	-0.5	Negligible, not significant
42	Rose Farm	38.3	39.6	1.3	Negligible, not significant	38.3	39.6	1.3	Negligible, not significant
43	South of Theberton Hall Farm	40.7	38.6	-2.1	Negligible, not significant	40.6	38.5	-2.1	Negligible, not significant

**Table 6.3.B.6: Predicted level differences and effects for the typical night in 2034**

2034 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Fir Tree Farm	44.0	44.4	0.4	Negligible, not significant	44.2	44.5	0.3	Negligible, not significant
2	Buskie Farm	36.6	37.7	1.1	Negligible, not significant	36.7	37.5	0.8	Negligible, not significant
3	Fordley Hall	29.4	42.0	12.6	Major adverse, significant	29.4	42.0	12.6	Major adverse, significant
4	Norwood House	40.9	37.7	-3.2	Minor beneficial, not significant	40.8	37.8	-3.0	Minor beneficial, not significant
5	Cross Roads	52.5	45.0	-7.5	Moderate beneficial, significant	52.5	45.0	-7.5	Moderate beneficial, significant
6	Garden House Farm	55.3	47.2	-8.1	Moderate beneficial, significant	55.3	47.1	-8.2	Moderate beneficial, significant
7	Mill Street	54.9	46.0	-8.9	Moderate beneficial, significant	54.9	45.9	-9.0	Moderate beneficial, significant

2034 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
8	Yoxford Road	55.6	44.0	-11.6	Major beneficial, significant	55.6	44.0	-11.6	Major beneficial, significant
9	Hill Farm	53.6	43.2	-10.4	Major beneficial, significant	53.6	43.2	-10.4	Major beneficial, significant
10	Valley Farm	54.3	44.2	-10.1	Major beneficial, significant	54.3	44.2	-10.1	Major beneficial, significant
11	Annesons Cottage	53.1	44.5	-8.6	Moderate beneficial, significant	53.1	44.4	-8.7	Moderate beneficial, significant
12	Trust Farm	36.7	38.4	1.7	Negligible, not significant	36.7	38.6	1.9	Negligible, not significant
13	Dovehouse Farm	32.1	36.3	4.2	Minor adverse, not significant	32.1	36.3	4.2	Minor adverse, not significant
14	Theberton Hall	36.8	40.1	3.3	Minor adverse, not significant	36.8	40.0	3.2	Minor adverse, not significant



2034 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
15	Church Farm	31.3	35.1	3.8	Minor adverse, not significant	31.3	35.1	3.8	Minor adverse, not significant
16	Doughty Wylie Crescent	43.2	41.3	-1.9	Negligible, not significant	44.8	42.8	-2.0	Negligible, not significant
17	Theberton Grange	38.2	40.7	2.5	Negligible, not significant	38.2	40.7	2.5	Negligible, not significant
18	Theberton House	41.0	41.6	0.6	Negligible, not significant	41.0	41.6	0.6	Negligible, not significant
19	Oakfield House	31.8	43.4	11.6	Major adverse, significant	31.8	43.2	11.4	Major adverse, significant
20	Hawthorn Cottages	33.7	40.5	6.8	Moderate adverse, significant	33.7	40.4	6.7	Moderate adverse, significant
21	Coronation Cottages	55.1	45.1	-10.0	Major beneficial, significant	55.0	45.1	-9.9	Moderate beneficial, significant
22	Annesons Corner	53.4	43.5	-9.9	Moderate beneficial, significant	53.4	43.5	-9.9	Moderate beneficial, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

NOT PROTECTIVELY MARKED

2034 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
23	A12 Yoxford	59.4	59.5	0.1	Negligible, not significant	59.6	59.5	-0.1	Negligible, not significant
24	A12 Yoxford Centre	62.0	61.9	-0.1	Negligible, not significant	62.0	61.8	-0.2	Negligible, not significant
25	B1122 East of Yoxford	51.2	51.3	0.1	Negligible, not significant	51.2	51.0	-0.2	Negligible, not significant
26	B1122 Rail crossing	56.3	58.4	2.1	Negligible, not significant	56.3	56.0	-0.3	Negligible, not significant
27	B1122 Middleton Moor	55.9	47.4	-8.5	Moderate beneficial, significant	55.8	47.3	-8.5	Moderate beneficial, significant
28	B1122 Theberton	57.0	46.9	-10.1	Major beneficial, significant	57.0	46.9	-10.1	Major beneficial, significant
29	Kelsale Lodge Cottages	60.5	60.4	-0.1	Negligible, not significant	60.6	60.5	-0.1	Negligible, not significant
30	Rosetta	51.0	52.0	1.0	Negligible, not significant	51.0	51.2	0.2	Negligible, not significant

2034 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
31	Laurel Farm	61.1	61.1	0.0	Negligible, not significant	61.1	61.2	0.1	Negligible, not significant
32	Red House Farm / Mile Hill Barn	52.0	52.3	0.3	Negligible, not significant	52.0	52.1	0.1	Negligible, not significant
33	Rookery Farm	34.3	36.2	1.9	Negligible, not significant	34.5	36.3	1.8	Negligible, not significant
34	Keepers Cottage	33.0	34.7	1.7	Negligible, not significant	33.0	34.5	1.5	Negligible, not significant
35	Town Farm	33.5	34.6	1.1	Negligible, not significant	33.5	34.7	1.2	Negligible, not significant
36	Hawthorn Farm	31.0	34.2	3.2	Minor adverse, not significant	31.0	34.1	3.1	Minor adverse, not significant
37	Moat House	30.5	35.0	4.5	Minor adverse, not significant	30.5	34.9	4.4	Minor adverse, not significant

2034 Typical Night		Corrected values				Refinements to the traffic model – predicted levels			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
38	South of Theberton Grange	34.9	36.7	1.8	Negligible, not significant	34.9	36.7	1.8	Negligible, not significant
39	Yewtree Farm	34.5	33.6	-0.9	Negligible, not significant	34.5	33.4	-1.1	Negligible, not significant
40	Tollgate	53.6	47.2	-6.4	Moderate beneficial, significant	53.6	47.6	-6.0	Moderate beneficial, significant
41	Moor Buildings	36.6	36.4	-0.2	Negligible, not significant	36.5	36.3	-0.2	Negligible, not significant
42	Rose Farm	36.5	33.1	-3.4	Minor beneficial, not significant	36.5	33.1	-3.4	Minor beneficial, not significant
43	South of Theberton Hall Farm	33.8	31.1	-2.7	Negligible, not significant	33.7	30.8	-2.9	Negligible, not significant

---

## APPENDIX 6.3.C: SIZEWELL LINK ROAD – NEW ROAD TRAFFIC NOISE LEVEL PREDICTIONS RESULTING FROM UPDATE TO FREIGHT MANAGEMENT STRATEGY

## APPENDIX 6.3.C: INTRODUCTION

- 1.1.1 This appendix contains new road traffic noise level predictions for the Sizewell Link Road that take account of the reduction in HGV numbers as a result of the updated Freight Management Strategy.
- 1.1.2 Tables presented show the new predicted road traffic noise levels and the values updated to take account of the changes to the refined strategic traffic model, as reported in **Appendix 6.3.B** of this **ES Addendum**, for the following scenarios:
- Table 6.3.C.1: Predicted level differences and effects for the typical day in the peak construction year (in 2028)
  - Table 6.3.C.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)
  - Table 6.3.C.3: Predicted level differences and effects for the busiest day in the peak construction year (in 2028)
  - Table 6.3.C.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)
- 1.1.3 Where the new predicted road traffic noise levels cause a change in the assessment outcome that is worse than that for the values that were updated for the refinements to the strategic traffic model, as reported in **Appendix 6.3.B** of this **ES Addendum**, the cell containing the assessment effect is coloured orange. Where the new predicted road traffic noise levels cause a change in the assessment outcome that is better than that for the values that were updated for the changes in the traffic model, as reported in **Appendix 6.3.B** of this **ES Addendum**, the cell containing the assessment effect is coloured green. Where the new predicted levels do not cause a change in the assessment outcome, the cell is not shaded with any colour.

**Table 6.3.C.1: Predicted level differences and effects for the typical day in the peak construction year (in 2028)**

2028 Typical Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	51.6	53.1	1.5	Minor adverse, not significant	51.6	52.8	1.2	Minor adverse, not significant
2	Buskie Farm	46.1	48.6	2.5	Minor adverse, not significant	46.1	48.2	2.1	Minor adverse, not significant
3	Fordley Hall	36.4	45.1	8.7	Major adverse, significant	36.4	44.6	8.2	Major adverse, significant
4	Norwood House	46.2	47.0	0.8	Negligible, not significant	46.2	46.7	0.5	Negligible, not significant
5	Cross Roads	51.1	47.6	-3.5	Moderate beneficial, significant	51.1	47.2	-3.9	Moderate beneficial, significant
6	Garden House Farm	60.4	50.3	-10.1	Major beneficial, significant	60.4	49.9	-10.5	Major beneficial, significant

2028 Typical Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
7	Mill Street	57.0	48.2	-8.8	Major beneficial, significant	57.0	47.9	-9.1	Major beneficial, significant
8	Yoxford Road	63.3	50.1	-13.2	Major beneficial, significant	63.3	49.7	-13.6	Major beneficial, significant
9	Hill Farm	54.8	50.8	-4.0	Moderate beneficial, significant	54.8	50.3	-4.5	Moderate beneficial, significant
10	Valley Farm	57.5	52.4	-5.1	Major beneficial, significant	57.5	51.9	-5.6	Major beneficial, significant
11	Annesons Cottage	53.9	52.9	-1.0	Minor beneficial, not significant	53.9	52.4	-1.5	Minor beneficial, not significant
12	Trust Farm	40.5	49.5	9.0	Major adverse, significant	40.5	49.0	8.5	Major adverse, significant
13	Dovehouse Farm	39.4	47.6	8.2	Major adverse, significant	39.4	47.1	7.7	Major adverse, significant
14	Theberton Hall	43.6	47.6	4.0	Moderate adverse, significant	43.6	47.1	3.5	Moderate adverse, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ



2028 Typical Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
15	Church Farm	37.9	46.1	8.2	Major adverse, significant	37.9	45.6	7.7	Major adverse, significant
16	Doughty Wylie Crescent	46.8	52.6	5.8	Major adverse, significant	46.8	52.1	5.3	Major adverse, significant
17	Theberton Grange	45.4	52.3	6.9	Major adverse, significant	45.4	51.8	6.4	Major adverse, significant
18	Theberton House	47.4	51.3	3.9	Moderate adverse, significant	47.4	50.8	3.4	Moderate adverse, significant
19	Oakfield House	39.1	54.0	14.9	Major adverse, significant	39.1	53.5	14.4	Major adverse, significant
20	Hawthorn Cottages	40.1	51.2	11.1	Major adverse, significant	40.1	50.7	10.6	Major adverse, significant
21	Coronation Cottages	60.1	53.2	-6.9	Major beneficial, significant	60.1	52.7	-7.4	Major beneficial, significant
22	Annesons Corner	54.9	51.6	-3.3	Moderate beneficial, significant	54.9	51.2	-3.7	Moderate beneficial, significant

2028 Typical Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
23	A12 Yoxford	67.9	67.8	-0.1	Negligible, not significant	67.9	67.8	-0.1	Negligible, not significant
24	A12 Yoxford Centre	69.8	69.8	0.0	Negligible, not significant	69.8	69.7	-0.1	Negligible, not significant
25	B1122 East of Yoxford	55.1	56.8	1.7	Minor adverse, not significant	55.1	56.6	1.5	Minor adverse, not significant
26	B1122 Rail crossing	67.3	68.7	1.4	Minor adverse, not significant	67.3	68.5	1.2	Minor adverse, not significant
27	B1122 Middleton Moor	64.9	49.6	-15.3	Major beneficial, significant	64.9	49.5	-15.4	Major beneficial, significant
28	B1122 Theberton	63.9	49.1	-14.8	Major beneficial, significant	63.9	49.0	-14.9	Major beneficial, significant
29	Kelsale Lodge Cottages	67.1	67.0	-0.1	Negligible, not significant	67.1	67.0	-0.1	Negligible, not significant

2028 Typical Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
30	Rosetta	58.4	59.8	1.4	Minor adverse, not significant	58.4	59.6	1.2	Minor adverse, not significant
31	Laurel Farm	68.6	69.8	1.2	Minor adverse, not significant	68.6	69.7	1.1	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	59.5	60.8	1.3	Minor adverse, not significant	59.5	60.6	1.1	Minor adverse, not significant
33	Rookery Farm	42.2	47.6	5.4	Major adverse, significant	42.2	47.1	4.9	Moderate adverse, significant
34	Keepers Cottage	39.1	45.4	6.3	Major adverse, significant	39.1	44.9	5.8	Major adverse, significant
35	Town Farm	42.3	45.3	3.0	Moderate adverse, significant	42.3	44.9	2.6	Minor adverse, significant
36	Hawthorn Farm	38.3	45.2	6.9	Major adverse, significant	38.3	44.7	6.4	Major adverse, significant

2028 Typical Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
37	Moat House	38.3	46.7	8.4	Major adverse, significant	38.3	46.2	7.9	Major adverse, significant
38	South of Theberton Grange	43.5	48.6	5.1	Major adverse, significant	43.5	48.1	4.6	Moderate adverse, significant
39	Yewtree Farm	41.4	43.7	2.3	Minor adverse, not significant	41.4	43.3	1.9	Minor adverse, not significant
40	Tollgate	55.3	48.0	-7.3	Major beneficial, significant	55.3	47.8	-7.5	Major beneficial, significant
41	Moor Buildings	43.2	45.5	2.3	Minor adverse, not significant	43.2	45.2	2.0	Minor adverse, not significant
42	Rose Farm	38.1	42.6	4.5	Moderate adverse, significant	38.1	42.2	4.1	Moderate adverse, significant
43	South of Theberton Hall Farm	40.5	41.3	0.8	Negligible, not significant	40.5	40.9	0.4	Negligible, not significant

**Table 6.3.C.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)**

2028 Typical Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	44.0	46.0	2.0	Minor adverse, not significant	44.0	46.0	2.0	Minor adverse, not significant
2	Buskie Farm	36.5	40.4	3.9	Moderate adverse, significant	36.5	40.3	3.8	Moderate adverse, significant
3	Fordley Hall	29.3	44.5	15.2	Major adverse, significant	29.3	44.5	15.2	Major adverse, significant
4	Norwood House	40.7	41.0	0.3	Negligible, not significant	40.7	41.0	0.3	Negligible, not significant
5	Cross Roads	52.4	45.9	-6.5	Major beneficial, significant	52.4	45.8	-6.6	Major beneficial, significant
6	Garden House Farm	55.2	47.9	-7.3	Major beneficial, significant	55.2	47.9	-7.3	Major beneficial, significant
7	Mill Street	54.8	47.3	-7.5	Major beneficial, significant	54.8	47.2	-7.6	Major beneficial, significant

2028 Typical Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	Yoxford Road	55.5	48.4	-7.1	Major beneficial, significant	55.5	48.4	-7.1	Major beneficial, significant
9	Hill Farm	53.6	47.6	-6.0	Major beneficial, significant	53.6	47.6	-6.0	Major beneficial, significant
10	Valley Farm	54.3	48.7	-5.6	Major beneficial, significant	54.3	48.7	-5.6	Major beneficial, significant
11	Annesons Cottage	53.1	48.9	-4.2	Moderate beneficial, significant	53.1	48.9	-4.2	Moderate beneficial, significant
12	Trust Farm	36.6	42.5	5.9	Major adverse, significant	36.6	42.4	5.8	Major adverse, significant
13	Dovehouse Farm	32.0	40.3	8.3	Major adverse, significant	32.0	40.2	8.2	Major adverse, significant
14	Theberton Hall	36.7	43.2	6.5	Major adverse, significant	36.7	43.1	6.4	Major adverse, significant
15	Church Farm	31.2	39.0	7.8	Major adverse, significant	31.2	38.9	7.7	Major adverse, significant

2028 Typical Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
16	Doughty Wylie Crescent	43.1	46.4	3.3	Moderate adverse, not significant	43.1	46.3	3.2	Moderate adverse, not significant
17	Theberton Grange	38.1	44.7	6.6	Major adverse, significant	38.1	44.5	6.4	Major adverse, significant
18	Theberton House	40.9	45.5	4.6	Moderate adverse, significant	40.9	45.4	4.5	Moderate adverse, significant
19	Oakfield House	31.8	47.7	15.9	Major adverse, significant	31.8	47.6	15.8	Major adverse, significant
20	Hawthorn Cottages	33.6	44.8	11.2	Major adverse, significant	33.6	44.7	11.1	Major adverse, significant
21	Coronation Cottages	55.0	49.6	-5.4	Major beneficial, significant	55.0	49.6	-5.4	Major beneficial, significant
22	Annesons Corner	53.4	48.0	-5.4	Major beneficial, significant	53.4	47.9	-5.5	Major beneficial, significant

2028 Typical Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
23	A12 Yoxford	59.4	59.5	0.1	Negligible, not significant	59.4	59.5	0.1	Negligible, not significant
24	A12 Yoxford Centre	61.8	62.1	0.3	Negligible, not significant	61.8	62.1	0.3	Negligible, not significant
25	B1122 East of Yoxford	51.1	53.6	2.5	Minor adverse, not significant	51.1	53.6	2.5	Minor adverse, not significant
26	B1122 Rail crossing	56.1	58.9	2.8	Minor adverse, not significant	56.1	58.9	2.8	Minor adverse, not significant
27	B1122 Middleton Moor	55.7	47.6	-8.1	Major beneficial, significant	55.7	47.5	-8.2	Major beneficial, significant
28	B1122 Theberton	56.9	48.6	-8.3	Major beneficial, significant	56.9	48.6	-8.3	Major beneficial, significant
29	Kelsale Lodge Cottages	60.5	60.7	0.2	Negligible, not significant	60.5	60.7	0.2	Negligible, not significant



2028 Typical Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
30	Rosetta	50.9	52.7	1.8	Minor adverse, not significant	50.9	52.7	1.8	Minor adverse, not significant
31	Laurel Farm	61.0	62.3	1.3	Minor adverse, not significant	61.0	62.2	1.2	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	51.8	53.6	1.8	Minor adverse, not significant	51.8	53.5	1.7	Minor adverse, not significant
33	Rookery Farm	34.3	40.2	5.9	Major adverse, significant	34.3	40.0	5.7	Major adverse, significant
34	Keepers Cottage	32.9	38.0	5.1	Major adverse, significant	32.9	37.8	4.9	Moderate adverse, significant
35	Town Farm	33.4	37.9	4.5	Moderate adverse, significant	33.4	37.8	4.4	Moderate adverse, significant
36	Hawthorn Farm	31.0	38.3	7.3	Major adverse, significant	31.0	38.2	7.2	Major adverse, significant

2028 Typical Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
37	Moat House	30.4	38.8	8.4	Major adverse, significant	30.4	38.7	8.3	Major adverse, significant
38	South of Theberton Grange	34.8	40.7	5.9	Major adverse, significant	34.8	40.5	5.7	Major adverse, significant
39	Yewtree Farm	34.4	36.8	2.4	Minor adverse, not significant	34.4	36.8	2.4	Minor adverse, not significant
40	Tollgate	53.5	48.5	-5.0	Major beneficial, significant	53.5	48.5	-5.0	Major beneficial, significant
41	Moor Buildings	36.4	39.3	2.9	Minor adverse, not significant	36.4	39.3	2.9	Minor adverse, not significant
42	Rose Farm	36.5	36.3	-0.2	Negligible, not significant	36.5	36.2	-0.3	Negligible, not significant
43	South of Theberton Hall Farm	33.6	34.6	1.0	Minor Adverse, not significant	33.6	34.6	1.0	Minor Adverse, not significant

**Table 6.3.C.3: Predicted level differences and effects for the busiest day in the peak construction year (in 2028)**

2028 Busiest Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect	Day, L <sub>A10</sub> , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	51.6	53.0	1.4	Minor adverse, not significant	51.6	52.8	1.2	Minor adverse, not significant
2	Buskie Farm	46.1	49.2	3.1	Moderate adverse, significant	46.1	48.8	2.7	Minor adverse, significant
3	Fordley Hall	36.4	45.6	9.2	Major adverse, significant	36.4	45.0	8.6	Major adverse, significant
4	Norwood House	46.2	47.3	1.1	Minor adverse, not significant	46.2	46.9	0.7	Negligible, not significant
5	Cross Roads	51.1	48.0	-3.1	Moderate beneficial, significant	51.1	47.5	-3.6	Moderate beneficial, significant
6	Garden House Farm	60.4	50.6	-9.8	Major beneficial, significant	60.4	50.4	-10.0	Major beneficial, significant

2028 Busiest Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
7	Mill Street	57.0	48.6	-8.4	Major beneficial, significant	57.0	48.2	-8.8	Major beneficial, significant
8	Yoxford Road	63.3	50.4	-12.9	Major beneficial, significant	63.3	50.0	-13.3	Major beneficial, significant
9	Hill Farm	54.8	51.3	-3.5	Moderate beneficial, significant	54.8	50.7	-4.1	Moderate beneficial, significant
10	Valley Farm	57.5	52.8	-4.7	Moderate beneficial, significant	57.5	52.3	-5.2	Major beneficial, significant
11	Annesons Cottage	53.9	53.4	-0.5	Negligible, not significant	53.9	52.8	-1.1	Minor beneficial, not significant
12	Trust Farm	40.5	50.0	9.5	Major adverse, significant	40.5	49.4	8.9	Major adverse, significant
13	Dovehouse Farm	39.4	48.0	8.6	Major adverse, significant	39.4	47.4	8.0	Major adverse, significant
14	Theberton Hall	43.6	47.9	4.3	Moderate adverse, significant	43.6	47.4	3.8	Moderate adverse, significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

2028 Busiest Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
15	Church Farm	37.9	46.5	8.6	Major adverse, significant	37.9	46.0	8.1	Major adverse, significant
16	Doughty Wylie Crescent	46.8	53.0	6.2	Major adverse, significant	46.8	52.5	5.7	Major adverse, significant
17	Theberton Grange	45.4	52.7	7.3	Major adverse, significant	45.4	52.2	6.8	Major adverse, significant
18	Theberton House	47.4	51.7	4.3	Moderate adverse, significant	47.4	51.1	3.7	Moderate adverse, significant
19	Oakfield House	39.1	54.7	15.6	Major adverse, significant	39.1	54.1	15.0	Major adverse, significant
20	Hawthorn Cottages	40.1	51.7	11.6	Major adverse, significant	40.1	51.1	11.0	Major adverse, significant
21	Coronation Cottages	60.1	53.6	-6.5	Major beneficial, significant	60.1	53.1	-7.0	Major beneficial, significant
22	Annesons Corner	54.9	52.1	-2.8	Minor beneficial,	54.9	51.5	-3.4	Moderate beneficial,

2028 Busiest Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
					not significant				not significant
23	A12 Yoxford	67.9	67.6	-0.3	Negligible, not significant	67.9	67.7	-0.2	Negligible, not significant
24	A12 Yoxford Centre	69.8	69.6	-0.2	Negligible, not significant	69.8	69.6	-0.2	Negligible, not significant
25	B1122 East of Yoxford	55.1	56.8	1.7	Minor adverse, not significant	55.1	56.7	1.6	Minor adverse, not significant
26	B1122 Rail crossing	67.3	67.5	0.2	Negligible, not significant	67.3	67.5	0.2	Negligible, not significant
27	B1122 Middleton Moor	64.9	49.8	-15.1	Major beneficial, significant	64.9	49.7	-15.2	Major beneficial, significant
28	B1122 Theberton	63.9	49.2	-14.7	Major beneficial, significant	63.9	49.2	-14.7	Major beneficial, significant
29	Kelsale Lodge Cottages	67.1	66.8	-0.3	Negligible, not significant	67.1	66.7	-0.4	Negligible, not significant

NNB Generation Company (SZC) Limited. Registered in England and Wales. Registered No. 6937084. Registered office: 90 Whitfield Street, London W1T 4EZ

2028 Busiest Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
30	Rosetta	58.4	59.9	1.5	Minor adverse, not significant	58.4	59.7	1.3	Minor adverse, not significant
31	Laurel Farm	68.6	70.0	1.4	Minor adverse, not significant	68.6	69.6	1.0	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	59.5	60.8	1.3	Minor adverse, not significant	59.5	60.6	1.1	Minor adverse, not significant
33	Rookery Farm	42.2	48.1	5.9	Major adverse, significant	42.2	47.5	5.3	Major adverse, significant
34	Keepers Cottage	39.1	45.9	6.8	Major adverse, significant	39.1	45.3	6.2	Major adverse, significant
35	Town Farm	42.3	45.8	3.5	Moderate adverse, significant	42.3	45.4	3.1	Moderate adverse, significant
36	Hawthorn Farm	38.3	45.6	7.3	Major adverse, significant	38.3	45.1	6.8	Major adverse, significant

2028 Busiest Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect	Day, L <sub>A10, 18h</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
37	Moat House	38.3	47.0	8.7	Major adverse, significant	38.3	46.5	8.2	Major adverse, significant
38	South of Theberton Grange	43.5	49	5.5	Major adverse, significant	43.5	48.4	4.9	Moderate adverse, significant
39	Yewtree Farm	41.4	44.0	2.6	Minor adverse, not significant	41.4	43.6	2.2	Minor adverse, not significant
40	Tollgate	55.3	47.9	-7.4	Major beneficial, significant	55.3	47.8	-7.5	Major beneficial, significant
41	Moor Buildings	43.2	45.5	2.3	Minor adverse, not significant	43.2	45.3	2.1	Minor adverse, not significant
42	Rose Farm	38.1	43.1	5.0	Major adverse, significant	38.1	42.5	4.4	Moderate adverse, significant
43	South of Theberton Hall Farm	40.5	41.7	1.2	Minor adverse, not significant	40.5	41.2	0.7	Negligible, not significant



**Table 6.3.C.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)**

2028 Busiest Night		Refine Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	44.0	46.0	2.0	Minor adverse, not significant	44.0	45.9	1.9	Minor adverse, not significant
2	Buskie Farm	36.5	40.5	4.0	Moderate adverse, significant	36.5	40.4	3.9	Moderate adverse, significant
3	Fordley Hall	29.3	44.5	15.2	Major adverse, significant	29.3	44.5	15.2	Major adverse, significant
4	Norwood House	40.7	40.8	0.1	Negligible, not significant	40.7	40.7	0.0	Negligible, not significant
5	Cross Roads	52.4	45.9	-6.5	Major beneficial, significant	52.4	45.8	-6.6	Major beneficial, significant
6	Garden House Farm	55.2	47.9	-7.3	Major beneficial, significant	55.2	47.9	-7.3	Major beneficial, significant
7	Mill Street	54.8	47.3	-7.5	Major beneficial, significant	54.8	47.2	-7.6	Major beneficial, significant

2028 Busiest Night		Refine Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	Yoxford Road	55.5	48.4	-7.1	Major beneficial, significant	55.5	48.4	-7.1	Major beneficial, significant
9	Hill Farm	53.6	47.7	-5.9	Major beneficial, significant	53.6	47.6	-6.0	Major beneficial, significant
10	Valley Farm	54.3	48.8	-5.5	Major beneficial, significant	54.3	48.7	-5.6	Major beneficial, significant
11	Annesons Cottage	53.1	49.0	-4.1	Moderate beneficial, significant	53.1	48.9	-4.2	Moderate beneficial, significant
12	Trust Farm	36.6	42.6	6.0	Major adverse, significant	36.6	42.5	5.9	Major adverse, significant
13	Dovehouse Farm	32.0	40.4	8.4	Major adverse, significant	32.0	40.2	8.2	Major adverse, significant
14	Theberton Hall	36.7	43.2	6.5	Major adverse, significant	36.7	43.1	6.4	Major adverse, significant
15	Church Farm	31.2	39.1	7.9	Major adverse, significant	31.2	39.0	7.8	Major adverse, significant

2028 Busiest Night		Refine Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
16	Doughty Wylie Crescent	43.1	45.0	1.9	Minor adverse, not significant	43.1	44.9	1.8	Minor adverse, not significant
17	Theberton Grange	38.1	44.7	6.6	Major adverse, significant	38.1	44.6	6.5	Major adverse, significant
18	Theberton House	40.9	45.6	4.7	Moderate adverse, significant	40.9	45.5	4.6	Moderate adverse, significant
19	Oakfield House	31.8	47.9	16.1	Major adverse, significant	31.8	47.7	15.9	Major adverse, significant
20	Hawthorn Cottages	33.6	44.9	11.3	Major adverse, significant	33.6	44.7	11.1	Major adverse, significant
21	Coronation Cottages	55.0	49.7	-5.3	Major beneficial, significant	55.0	49.6	-5.4	Major beneficial, significant
22	Annesons Corner	53.4	48.0	-5.4	Major beneficial, significant	53.4	47.9	-5.5	Major beneficial, significant

2028 Busiest Night		Refine Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
23	A12 Yoxford	59.4	59.5	0.1	Negligible, not significant	59.4	59.5	0.1	Negligible, not significant
24	A12 Yoxford Centre	61.8	62.1	0.3	Negligible, not significant	61.8	62.1	0.3	Negligible, not significant
25	B1122 East of Yoxford	51.1	53.7	2.6	Minor adverse, not significant	51.1	53.7	2.6	Minor adverse, not significant
26	B1122 Rail crossing	56.1	58.6	2.5	Minor adverse, not significant	56.1	58.6	2.5	Minor adverse, not significant
27	B1122 Middleton Moor	55.7	47.6	-8.1	Major beneficial, significant	55.7	47.5	-8.2	Major beneficial, significant
28	B1122 Theberton	56.9	48.7	-8.2	Major beneficial, significant	56.9	48.7	-8.2	Major beneficial, significant
29	Kelsale Lodge Cottages	60.5	60.5	0.0	Negligible, not significant	60.5	60.4	-0.1	Negligible, not significant

2028 Busiest Night		Refine Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
30	Rosetta	50.9	53.3	2.4	Minor adverse, not significant	50.9	53.2	2.3	Minor adverse, not significant
31	Laurel Farm	61.0	62.3	1.3	Minor adverse, not significant	61.0	62.2	1.2	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	51.8	53.8	2.0	Minor adverse, not significant	51.8	53.7	1.9	Minor adverse, not significant
33	Rookery Farm	34.3	40.3	6.0	Major adverse, significant	34.3	40.2	5.9	Major adverse, significant
34	Keepers Cottage	32.9	38.1	5.2	Major adverse, significant	32.9	38.0	5.1	Major adverse, significant
35	Town Farm	33.4	38	4.6	Moderate adverse, significant	33.4	37.8	4.4	Moderate adverse, significant
36	Hawthorn Farm	31.0	38.4	7.4	Major adverse, significant	31.0	38.3	7.3	Major adverse, significant

2028 Busiest Night		Refine Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L <sub>night</sub> , dB		Difference, dB	Effect	Night, L <sub>night</sub> , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
37	Moat House	30.4	38.9	8.5	Major adverse, significant	30.4	38.8	8.4	Major adverse, significant
38	South of Theberton Grange	34.8	40.7	5.9	Major adverse, significant	34.8	40.6	5.8	Major adverse, significant
39	Yewtree Farm	34.4	36.9	2.5	Minor adverse, not significant	34.4	36.8	2.4	Minor adverse, not significant
40	Tollgate	53.5	48.0	-5.5	Major beneficial, significant	53.5	48.0	-5.5	Major beneficial, significant
41	Moor Buildings	36.4	39.2	2.8	Minor adverse, not significant	36.4	39.2	2.8	Minor adverse, not significant
42	Rose Farm	36.5	36.3	-0.2	Negligible, not significant	36.5	36.2	-0.3	Negligible, not significant
43	South of Theberton Hall Farm	33.6	34.7	1.1	Minor adverse, not significant	33.6	34.6	1.0	Minor adverse, not significant