



The Sizewell C Project

6.17 Third Environmental Statement Addendum

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

August 2021

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



CONTENTS

1	INTRODUCTION.....	1
2	UPDATED NOISE ASSESSMENT	2
2.1	Updated Two-Village Bypass Road Traffic Noise Assessment	2
2.2	Updated Sizewell Link Road Traffic Noise Assessment.....	5
2.3	Updated Yoxford Roundabout and Other Highway Improvements Road Traffic Noise Assessment	10
3	UPDATED HEALTH AND WELLBEING ASSESSMENT	13
3.1	Introduction	13
3.2	Updated Health and Wellbeing Assessment - Two Village Bypass...	13
3.3	Updated Health and Wellbeing Assessment - Sizewell Link Road....	15
4	UPDATED INTER-RELATIONSHIP EFFECTS ASSESSMENT	17
4.1	Introduction	17
4.2	Two Village Bypass.....	17
4.3	Sizewell Link Road.....	18
5	CONCLUSION	19

TABLES

Table 2.1: Changes to road traffic noise assessment outcomes for the two village bypass.....	4
Table 2.2: Changes to road traffic noise assessment outcomes for the Sizewell link road	7

PLATES

None provided.

FIGURES

None provided.

APPENDICES

Appendix A Two Village Bypass – Corrections to Road Traffic Noise Level Predictions

Appendix B Sizewell link road – Corrections to Road Traffic Noise Level Predictions

Appendix C Yoxford roundabout and other highway improvements – Corrections to Road Traffic Noise Level Predictions

1 INTRODUCTION

1.1.1 The purpose of this document is to present:

- corrections to road traffic noise modelling for road links associated with the two village bypass, Sizewell link road, Yoxford roundabout and other highway improvements;
- an assessment of any new or different significant effects that are likely to result from these corrections.

1.1.2 For the two village bypass and Sizewell link road, two errors have been identified by SZC Co., one relating to the height of the modelled receptor locations, and the other relating to the absence of a +2.5dB correction to the daytime values to account for façade reflections.

1.1.3 For Yoxford roundabout and other highway improvements, only one error has been identified, relating to the incorrect inclusion of a +2.5dB correction to the night-time values, when free-field values were intended.

1.1.4 An explanation of the errors, their effect on the predicted noise levels, and their effect on the noise assessment outcomes, including the significance of the outcomes in an EIA context, is contained in **Section 2** of this document.

1.1.5 **Section 3** of this document provides an update to the health and wellbeing assessment as a result of the corrections to the predicted noise levels. **Section 4** of this document provides an update to the inter-relationship effects assessment.

1.1.6 There are no other changes to the environmental effects presented within the **Environmental Statement (ES)** [APP-159 to APP-582], as updated by the **First ES Addendum** [AS-179 to AS-260], as a result of the corrections to the noise modelling.

2 UPDATED NOISE ASSESSMENT

2.1 Updated Two-Village Bypass Road Traffic Noise Assessment

a) Introduction

2.1.1 This section provides an update to the noise and vibration assessment associated with the two-village bypass, as a result of corrections to noise modelling with reference to the following documents:

- **Volume 5, Chapter 4** (Noise and Vibration) of the **ES** [[APP-415](#)];
- **Volume 1, Chapter 5** of the **First ES Addendum** [[AS-184](#)];
- **Volume 3, Appendices 5.3.A, 5.3.B and 5.3.C** of the **First ES Addendum** [[AS-245](#)].

2.1.2 This section is supported by **Appendix A Two Village Bypass – Corrections to Road Traffic Noise Level Predictions**.

b) Updated assessment

2.1.3 An assessment of noise and vibration arising from the construction and operation of the two village bypass was submitted as part of the Application in **Volume 5, Chapter 4** of the **ES** [[APP-415](#)].

2.1.4 The assessment considered the effects of road traffic noise from the use of the two village bypass, both during the construction of the Sizewell C development and in the long-term once the power station is complete. The assessment considered the effects at a number of representative receptor locations on the route of the new road and along existing roads. The receptor locations were shown in **Volume 5, Figure 4.1** of the **ES** [[APP-417](#)].

2.1.5 The road traffic noise calculations were updated in **Volume 1, Chapter 5** of the **First ES Addendum** [[AS-184](#)], taking account of the following changes:

- corrections to the road traffic noise model;
- refinement of the strategic traffic model; and
- changes in traffic flows as a result of the update to the **Freight Management Strategy** [[AS-280](#)].

- 2.1.6 The resultant road traffic noise levels relating to each of these changes were set out in **Volume 3, Appendices 5.3.A, 5.3.B and 5.3.C** of the **First ES Addendum** [[AS-245](#)] respectively.
- 2.1.7 Two further errors have been identified in the road traffic noise model, one relating to the height of the modelled receptors, and a second relating to the non-application of a +2.5dB correction to the daytime values to obtain façade levels, consistent with the predictions in **Volume 5, Chapter 4** of the **ES** [[APP-415](#)].
- 2.1.8 The first error, relating to the modelled receptor heights, affects both the baseline and ‘with scheme’ road traffic noise levels, but not necessarily to the same degree.
- 2.1.9 The road traffic noise levels predicted at each receptor are the result of contributions from a number of different roads and the effect of the receptor height correction will vary for each road, according to its relationship to the receptor. The effect of correcting the modelled receptor height is not necessarily the same for the baseline and ‘with scheme’ scenarios, so a change in the impact, that is the difference in road traffic noise resulting from the introduction of the two village bypass, may alter from the previously-identified impacts.
- 2.1.10 The second error, relating to the absence of a +2.5dB façade correction for the daytime predictions, does not affect the change in noise level between the baseline and ‘with scheme’ scenarios, since the correction is applied equally to both baseline and with development flow predictions. The daytime absolute road traffic noise levels will increase by 2.5dB, but the difference in road traffic noise level resulting from the introduction of the two village bypass, will not change.
- 2.1.11 It is noted that the errors described here do not affect the assessment of tranquillity, which informed the Amenity and Recreation chapter in **Volume 5, Chapter 8** of the **ES** [[APP-429](#)]; the errors were linked to the road traffic noise assessment receptors only.
- 2.1.12 The updated road traffic noise predictions are set out in **Appendix A** of this document. The receptor locations assessed remain as shown in **Volume 5, Figure 4.1** of the **ES** [[APP-417](#)].
- 2.1.13 The receptor locations and scenarios in which a change in assessment outcome is predicted are summarised in **Table 2.1**. Where the change results in an improvement in the category of effect, these are shaded in green and where the change results in a worsening in the category of effect, these are shaded in orange.

2.1.14 Where a change in assessment category also results in a change in the significance of the effect, in an EIA context, the text in the final two columns is in bold.

Table 2.1: Changes to road traffic noise assessment outcomes for the two village bypass

Period	Receptor		Effect		Change in Significance
			As submitted in First ES Volume Addendum	Corrected Outcome	
2028 Typical Day	2	Parkgate Farm	Major adverse, significant	Moderate adverse, significant	No Change
	15	Mollett's Farm	Moderate adverse, significant	Minor adverse, not significant	Significant to Not Significant
	18	51 Friday Street	Moderate adverse, significant	Minor adverse, not significant	Significant to Not Significant
	28	Mill Lane Houses	Minor beneficial, not significant	Negligible, not significant	No Change
2028 Typical Night	18	51 Friday Street	Moderate adverse, significant	Minor adverse, not significant	Significant to Not Significant
2028 Busiest Day	1	Chapel Cottages	Minor adverse, not significant	Moderate adverse, significant	Not Significant to Significant
	25	Church Bungalow	Moderate adverse, significant	Major adverse, significant	No Change
	28	Mill Lane Houses	Minor beneficial, not significant	Negligible, not significant	No Change
2028 Busiest Night	17	Friday Street Farm	Minor adverse, not significant	Negligible, not significant	No Change
	18	51 Friday Street	Moderate adverse, significant	Minor adverse, not significant	Significant to Not Significant
2034 Typical Day	11	The Old Vicarage	Negligible, not significant	Minor adverse, not significant	No Change
	15	Mollett's Farm	Minor adverse, not significant	Negligible, not significant	No Change
	31	Ramblers	Negligible, not significant	Minor beneficial, not significant	No Change

2.1.15 The alterations in the assessment outcomes shown in **Table 2.1** do not materially alter the overall conclusions of the road traffic noise assessment for the two village bypass and, therefore, no new mitigation is considered to be required.

2.1.16 Although definitive consideration of eligibility under the **Noise Mitigation Scheme** (Doc Ref 6.3 11H(B)) will be determined through refreshed assessments, none of the receptors listed in **Table 2.1** are likely to be subject to noise levels high enough to trigger eligibility. Receptor 12 Pond Barn Cottages remains the only receptor where eligibility is considered likely, as was the case prior to these corrections.

2.2 Updated Sizewell Link Road Traffic Noise Assessment

a) Introduction

2.2.1 This section provides an update to the noise and vibration assessment associated with the Sizewell link road, as a result of corrections to noise modelling with reference to the following documents:

- **Volume 6, Chapter 4** (Noise and Vibration) of the **ES** [[APP-451](#)];
- **Volume 1, Chapter 6** of the **First ES Addendum** [[AS-185](#)];
- **Volume 3, Appendices 6.3.A, 6.3.B and 6.3.C** of the **First ES Addendum** [[AS-249](#)].

2.2.2 This section is supported by **Appendix B Sizewell link road – Corrections to Road Traffic Noise Level Predictions**.

b) Updated assessment

2.2.3 An assessment of noise and vibration arising from the construction and operation of the Sizewell link road was submitted as part of the Application in **Volume 6, Chapter 4** of the **ES** [[APP-451](#)].

2.2.4 The assessment considered the effects of road traffic noise from the use of the Sizewell link road, both during the construction of the Sizewell C development and in the long-term once the power station is complete. The assessment considered the effects at a number of representative receptor locations on the route of the new road and along existing roads. The receptor locations were shown in **Volume 6, Figure 4.1** of the **ES** [[APP-453](#)].

- 2.2.5 The road traffic noise calculations were updated in **Volume 1, Chapter 6** of the **First ES Addendum** [[AS-185](#)], taking account of the following changes:
- corrections to the road traffic noise model;
 - refinement of the strategic traffic model; and
 - changes in traffic flows as a result of the update to the **Freight Management Strategy** [[AS-280](#)].
- 2.2.6 The resultant road traffic noise levels relating to each of these changes were set out in **Volume 3, Appendices 6.3.A, 6.3.B and 6.3.C** of the **First ES Addendum** [[AS-249](#)] respectively.
- 2.2.7 Two further errors have been identified in the road traffic noise model, one relating to the height of the modelled receptors, and a second relating to the non-application of a +2.5dB correction to the daytime values to obtain façade levels, consistent with the predictions in **Volume 6, Chapter 4** of the **ES** [[APP-451](#)].
- 2.2.8 The first error, relating to the modelled receptor heights, affects both the baseline and ‘with scheme’ road traffic noise levels, but not necessarily to the same degree.
- 2.2.9 The road traffic noise levels predicted at each receptor are the result of contributions from a number of different roads and the effect of the receptor height correction will vary for each road, according to its relationship to the receptor. The effect of correcting the modelled receptor height is therefore not necessarily the same for the baseline and ‘with scheme’ scenarios, so a change in the impact, that is the difference in road traffic noise resulting from the introduction of the Sizewell link road, may alter from the previously-identified impacts.
- 2.2.10 The second error, relating to the absence of a +2.5dB façade correction for the daytime predictions, does not affect the change in noise level between the baseline and ‘with scheme’ scenarios, since the correction is applied equally to both baseline and with development flow predictions. The daytime absolute road traffic noise levels will increase by 2.5dB, but the difference in road traffic noise level resulting from the introduction of the Sizewell link road, will not change.
- 2.2.11 It is noted that the errors described here do not affect the assessment of tranquillity, which informed the Amenity and Recreation chapter in **Volume**

6, Chapter 8 of the **ES** [APP-464]; the errors were linked to the road traffic noise assessment receptors only.

2.2.12 The updated road traffic noise predictions are set out in **Appendix B** of this document. The receptor locations assessed remain as shown in **Volume 6, Figure 4.1** of the **ES** [APP-453].

2.2.13 The receptor locations and scenarios in which a change in assessment outcome is predicted are summarised in **Table 2.2**. Where the change results in an improvement in the category of effect, these are shaded in green and where the change results in a worsening in the category of effect, these are shaded in orange.

2.2.14 Where a change in assessment category also results in a change in the significance of the effect, in an EIA context, the text in the final two columns is in bold.

Table 2.2: Changes to road traffic noise assessment outcomes for the Sizewell link road

Period	Receptor		Effect		Change in Significance
			As submitted in First ES Volume Addendum	Corrected Outcome	
2028 Typical Day	5	Cross Roads	Moderate beneficial, significant	Major beneficial, significant	No Change
	9	Hill Farm	Moderate beneficial, significant	Major beneficial, significant	No Change
	35	Town Farm	Minor adverse, not significant	Moderate adverse, significant	Not Significant to Significant
2028 Typical Night	11	Annesons Cottage	Moderate beneficial, significant	Minor beneficial, not significant	Significant to Not Significant
	22	Annesons Corner	Major beneficial, significant	Moderate beneficial, significant	No Change
	25	B1122 East of Yoxford	Minor adverse, not significant	Moderate adverse, significant	Not Significant to Significant
	34	Keepers Cottage	Moderate adverse, significant	Major adverse, significant	No Change
	40	Tollgate	Major beneficial, significant	Moderate beneficial, significant	No Change

NOT PROTECTIVELY MARKED

Period	Receptor		Effect		Change in Significance
			As submitted in First ES Volume Addendum	Corrected Outcome	
	41	Moor Buildings	Minor adverse, not significant	Moderate adverse, significant	Not Significant to Significant
	42	Rose Farm	Negligible, not significant	Minor adverse, not significant	No Change
	43	South of Theberton Hall Farm	Minor adverse, not significant	Negligible, not significant	No Change
2028 Busiest Day	5	Cross Roads	Moderate beneficial, significant	Major beneficial, significant	No Change
	9	Hill Farm	Moderate beneficial, significant	Major beneficial, significant	No Change
	25	B1122 East of Yoxford	Minor adverse, not significant	Moderate adverse, significant	Not Significant to Significant
	31	Laurel Farm	Minor adverse, not significant	Negligible, not significant	No Change
	32	Red House Farm / Mile Hill Barn	Minor adverse, not significant	Negligible, not significant	No Change
	38	South of Theberton Grange	Moderate adverse, significant	Major adverse, significant	No Change
2028 Busiest Night	11	Annesons Cottage	Moderate beneficial, significant	Minor beneficial, not significant	Significant to Not Significant
	16	Doughty Wylie Crescent	Minor adverse, not significant	Moderate adverse, significant	Not Significant to Significant
	22	Annesons Corner	Major beneficial, significant	Moderate beneficial, significant	No Change
	25	B1122 East of Yoxford	Minor adverse, not significant	Moderate adverse, significant	Not Significant to Significant
	42	Rose Farm	Negligible, not significant	Minor adverse, not significant	No Change
	43	South of Theberton Hall Farm	Minor adverse, not significant	Negligible, not significant	No Change
2034 Day	15	Church Farm	Moderate adverse, significant	Minor adverse, not significant	Significant to Not Significant

Period	Receptor		Effect		Change in Significance
			As submitted in First ES Volume Addendum	Corrected Outcome	
	17	Theberton Grange	Minor adverse, not significant	Negligible, not significant	No Change
	21	Coronation Cottages	Major beneficial, significant	Moderate beneficial, significant	No Change
	37	Moat House	Moderate adverse, significant	Minor adverse, not significant	Significant to Not Significant
2034 Night	4	Norwood House	Minor beneficial, not significant	Negligible, not significant	No Change
	12	Trust Farm	Negligible, not significant	Minor adverse, not significant	No Change
	14	Theberton Hall	Minor adverse, not significant	Negligible, not significant	No Change
	21	Coronation Cottages	Moderate beneficial, significant	Major beneficial, significant	No Change
	22	Annesons Corner	Moderate beneficial, significant	Major beneficial, significant	No Change
	42	Rose Farm	Minor beneficial, not significant	Negligible, not significant	No Change
	43	South of Theberton Hall Farm	Negligible, not significant	Minor beneficial, not significant	No Change

2.2.15 The alterations in the assessment outcomes shown in **Table 2.2** do not materially alter the overall conclusions of the road traffic noise assessment for the Sizewell link road and, therefore, no new mitigation is considered to be required.

2.2.16 Although definitive consideration of eligibility under the **Noise Mitigation Scheme** (Doc Ref 6.3 11H(B)) will be determined through refreshed assessments, the following receptors are likely to be eligible for insulation:

- Receptor 25 B1122 East of Yoxford;
- Receptor 26 B1122 Rail Crossing; and
- Receptor 31 Laurel Farm.

2.2.1 Of the three identified receptor locations, two (Receptors 26 and 31) were both identified in **Volume 6, Chapter 4** (Noise and Vibration) of the **ES [APP-451]** as likely to be eligible for insulation under the **Noise Mitigation Scheme** (Doc Ref 6.3 11H(B)). Receptor 25 was not previously identified as likely to be eligible, while Receptor 24 A12 Yoxford Centre is no longer likely to be eligible.

2.3 Updated Yoxford Roundabout and Other Highway Improvements Road Traffic Noise Assessment

a) Introduction

2.3.2 This section provides an update to the noise and vibration assessment associated with the Yoxford roundabout and other highway improvements, as a result of corrections to noise modelling with reference to the following documents:

- **Volume 7, Chapter 4** (Noise and Vibration) of the **ES [APP-484]**;
- **Volume 1, Chapter 7** of the **First ES Addendum [AS-186]**;
- **Volume 3, Appendices 7.3.A, 7.3.B and 7.3.C** of the **First ES Addendum [AS-251]**.

2.3.3 This section is supported by **Appendix C Yoxford roundabout and other highway improvements – Corrections to Road Traffic Noise Level Predictions**.

b) Updated assessment

2.3.4 An assessment of noise and vibration arising from the construction and operation of Yoxford roundabout and other highway improvements was submitted as part of the Application in **Volume 7, Chapter 4** of the **ES [APP-484]**.

2.3.5 The assessment considered the effects of road traffic noise from the use of Yoxford roundabout and other highway improvements, both during the construction of the Sizewell C development and in the long-term once the power station is complete. The assessment considered the effects at a number of representative receptor locations close to the proposed works. The receptor locations were shown in **Volume 7, Figure 4.1** of the **ES [APP-486]**.

- 2.3.6 The road traffic noise calculations were updated in **Volume 1, Chapter 7** of the **First ES Addendum** [[AS-186](#)], taking account of the following changes:
- corrections to the road traffic noise model;
 - refinement of the strategic traffic model; and
 - changes in traffic flows as a result of the update to the **Freight Management Strategy** [[AS-280](#)].
- 2.3.7 The resultant road traffic noise levels relating to each of these changes were set out in **Volume 3, Appendices 7.3.A, 7.3.B and 7.3.C** of the **First ES Addendum** [[AS-251](#)] respectively.
- 2.3.8 A further error has been identified in the road traffic noise model, relating to the incorrect application of a +2.5dB correction to the night-time values resulting in façade levels where free-field levels consistent with the predictions in **Volume 7, Chapter 4** of the **ES** [[APP-484](#)] were intended.
- 2.3.9 The error does not affect the change in noise level between the baseline and ‘with scheme’ scenarios, since the correction is applied equally to both baseline and with development flow predictions. The night-time absolute road traffic noise levels will decrease by 2.5dB, but the difference in road traffic noise level resulting from the introduction of the Yoxford roundabout and other highway improvements, will not change.
- 2.3.10 It is noted that the errors described here do not affect the assessment of tranquillity found in the Amenity and Recreation chapter in **Volume 7, Chapter 8** of the **ES** [[APP-497](#)]; the errors were linked to the road traffic noise assessment receptors only.
- 2.3.11 The updated road traffic noise predictions are set out in **Appendix C** of this document. The receptor locations assessed remain as shown in in **Volume 7, Figure 4.1** of the **ES** [[APP-486](#)].
- 2.3.12 Although the daytime noise levels are not affected by this correction, they are also included in **Appendix C** so that all of the road traffic noise assessment outcomes are in a single document.
- 2.3.13 There are no changes in the assessment outcomes as a result of correcting this error, and consequently, no change in the significance of effects, in an EIA context.

- 2.3.14 The conclusions of the road traffic noise assessment for Yoxford roundabout and other highway improvements have not changed.
- 2.3.15 Although definitive consideration of eligibility under the **Noise Mitigation Scheme** (Doc Ref 6.3 11H(B)) will be determined through refreshed assessments the following receptors are likely to be eligible for insulation:
- Receptor 8 The Cottage;
 - Receptor 9 Sunnypatch;
 - Receptor 14 The Old Barn;
 - Receptor 15 Rookery Cottage; and
 - Receptor 24 Hopton Yard E of Old Barn.
- 2.3.16 With the exception of Receptor 8 The Cottage, these are the same receptor locations as were identified in **Volume 7, Chapter 4** (Noise and Vibration) of the **ES** [\[APP-484\]](#) as being likely to qualify under the **Noise Mitigation Scheme** (Doc Ref 6.3 11H(B)).

3 UPDATED HEALTH AND WELLBEING ASSESSMENT

3.1 Introduction

3.1.1 This section provides an update to the health and wellbeing assessment as a result of the corrections to noise modelling, with reference to the following documents:

- **Volume 2, Chapter 28** of the **ES** [[APP-346](#)]; and
- **Volume 1, Chapter 2** of the **First ES Addendum** [[AS-181](#)].

3.1.2 The health and wellbeing assessment presented within **Volume 2, Chapter 28** of the **ES** [[APP-346](#)] and the **First ES Addendum** [[AS-181](#)] provided a project-wide assessment. The amended noise modelling outputs have been considered in a similar manner, considering the potential impact of noise on communities in proximity to each of the project sites. In this instance only the noise effects for the two village bypass and the Sizewell link road have changed, and an updated assessment for health and wellbeing is presented below.

3.1.3 As detailed in **Section 2** of this document, the noise and vibration modelling outputs have been updated to correct errors found in the baseline and road traffic noise predictions.

3.1.4 For the sake of brevity, reported noise effects which do not alter the significance placed in the **First ES Addendum** [[AS-181](#)] or have improved or remain beneficial in comparison to the baseline scenario have not been listed below, but are conveyed qualitatively.

3.1.5 For further detailed analysis on changes in noise, refer to **Section 2** and **Appendices A** and **B** of this document.

3.2 Updated Health and Wellbeing Assessment - Two Village Bypass

a) 2028 Typical Daytime

3.2.1 The corrected modelling indicates a reduction in the typical daytime noise at Receptor 15 - Mollett's Farm and Receptor 18 - 51 Friday Street. This now falls below what would be typically considered perceptible, and no longer categorised as a significant effect. All remaining receptors either retain the same significance or are anticipated to be subject to less of a noise impact than previously assessed.

3.2.2 The nature, timing and quantum of change (both adverse and beneficial) do not alter the health pathways previously assessed, and are not sufficient to materially alter the conclusions drawn in the health and wellbeing assessment presented within **Volume 2, Chapter 28** of the **ES** [\[APP-346\]](#) and the **First ES Addendum** [\[AS-181\]](#).

b) 2028 Typical Night-time

3.2.3 The corrected modelling does not present a material change to that previously assessed, with the most significant change occurring at Receptor 18 - 51 Friday Street, where the noise effect is no longer classed as significant, as it falls below what is generally considered a perceptible change in noise.

3.2.4 All remaining receptors either retain the same significance of effect, or are anticipated to be subject to less of a noise impact than previously assessed.

c) 2028 Busiest Day

3.2.5 The corrected modelling does not present a material change to that previously assessed, with the only notable change in significance identified at Receptor 1 – Chapel Cottages. Here, the significance moves from minor to moderate, as the change falls into what might be generally considered perceptible. This does not however constitute a material impact on health, as it is not of magnitude, duration or timing to result in any manifest health outcome.

3.2.6 All remaining receptors either retain the same significance of effect, or are anticipated to be subject to less of a noise impact than previously assessed.

c) 2028 Busiest Night-time

3.2.7 The corrected modelling does not present a material change to that previously assessed, with the most significant change at Receptor 18 - 51 Friday Street no longer classed as significant, falling below what is generally considered a perceptible change in noise.

3.2.8 All remaining receptors either retain the same significance of effect, or are anticipated to be subject to less of a noise impact than previously assessed.

d) 2034 Daytime and night-time

3.2.9 The corrected modelling does not present a material change to that previously assessed, and there is no change in significance for any of the receptors modelled.

3.3 Updated Health and Wellbeing Assessment - Sizewell Link Road

a) 2028 Typical Daytime:

3.3.1 The corrected modelling does not present a material change to that previously assessed, with the only notable change in significance identified at Receptor 35 - Town Farm. Here, the significance moves from minor to moderate, as the change falls into what might be generally considered perceptible. This does not however constitute a material impact on health, as it is not of magnitude, duration or timing to result in any manifest health outcome.

3.3.2 All remaining receptors either retain the same significance of effect, or are anticipated to be subject to less of a noise impact than previously assessed.

b) 2028 Typical Night-time

3.3.3 The corrected modelling does not present a material change to that previously assessed, with changes in significance identified at Receptor 25 - B1122 East of Yoxford and Receptor 41 - Moor Buildings. Here, the effect for both receptors moves from minor to moderate, as the change falls into what might be generally considered perceptible. This does not however constitute a material impact on health, as it is not of magnitude, duration or timing to result in any manifest health outcome.

3.3.4 All remaining receptors either retain the same significance of effect, or are anticipated to be subject to less of a noise impact than previously assessed.

c) 2028 Busiest Day

3.3.5 The corrected modelling does not present a material change to that previously assessed, with the only notable change in significance identified at Receptor 25 - B1122 East of Yoxford. Here, the effect moves from minor to moderate, as the change falls into what might be generally considered perceptible. This does not however constitute a material impact on health, as it is not of magnitude, duration or timing to result in any manifest health outcome.

3.3.6 All remaining receptors either retain the same significance of effect, or are anticipated to be subject to less of a noise impact than previously assessed.

d) 2028 Busiest Night-time

- 3.3.7 The corrected modelling does not present a material change to that previously assessed, with changes in significance identified at Receptor 16 - Doughty Wylie Crescent and Receptor 25 - B1122 East of Yoxford. Here, the effect for both moves from minor to moderate, as the change falls into what might be generally considered perceptible. This does not however constitute a material impact on health, as it is not of magnitude, duration or timing to result in any manifest health outcome.
- 3.3.8 All remaining receptors either retain the same significance of effect, or are anticipated to be subject to less of a noise impact than previously assessed.

e) 2034 Daytime and night-time

- 3.3.9 The corrected modelling does not present a material change to that previously assessed, where the only change in significance is where the daytime impact at Receptor 15 – Church Farm and Receptor 37 – Moat House are no longer considered significant.
- 3.3.10 All remaining receptors either retain the same significance of effect, or are anticipated to be subject to less of a noise impact than previously assessed.

4 UPDATED INTER-RELATIONSHIP EFFECTS ASSESSMENT

4.1 Introduction

4.1.1 This section provides an update to the inter-relationship effects assessment with reference to the following documents:

- **Volume 10, Chapter 2** (Inter-relationship Effects) of the ES [[APP-575](#)];
- **Volume 10, Chapter 2, Appendix 2B** of the ES [[AS-016](#)]; and
- **Volume 1, Chapter 10** of the **First ES Addendum** [[AS-189](#)].

4.1.2 The result from the corrections made to road traffic noise modelling for road links associated with two-village bypass and Sizewell link road have been reviewed to determine the potential for any new or different significant inter-relationship effects.

4.2 Two Village Bypass

a) Receptor 15 – Mollett’s Farm

4.2.2 The results from the corrections to noise modelling identify that the predicted noise effects would reduce from significant to not significant at Mollett’s Farm during the 2028 typical daytime assessment scenario. Consequently, there is now considered to be a low potential for additional significant adverse inter-relationship effects to arise at Mollett’s Farm during this assessment scenario.

b) Receptor 18 – 51 Friday Street

4.2.3 The results from the corrections to noise modelling identify that the predicted noise effects would reduce from significant to not significant at 51 Friday Street during the 2028 typical daytime and 2028 busiest night-time scenarios. However, as a significant adverse landscape effect is identified at this receptor location, there remains a high potential for additional significant adverse inter-relationship effects to arise.

c) Receptor 1 – Chapel Cottages

4.2.4 The results from the corrections to noise modelling identify that the predicted noise effect has increased from not significant to significant at

Chapel Cottages during the 2028 busiest daytime assessment scenario. Consequently, there is now considered to be a high potential for additional significant adverse inter-relationship effect to arise at Chapel Cottages during this assessment scenario.

4.3 Sizewell Link Road

4.3.1 The results from the corrections to noise modelling identify the predicted noise effect is reduced from significant to not significant at three receptor locations during a number of assessment scenarios (Annesons Cottage, Church Farm and Moat House).

4.3.2 At the following locations there is now considered to be a low potential for additional significant adverse inter-relationship effects to arise, due to the reduced noise effects:

- Church Farm (2034 daytime); and
- Moat house (2034 daytime).

4.3.3 At Annesons Cottage, a high potential for significant adverse inter-relationship effects is considered to remain, as the receptor already experiences a significant landscape and visual effect.

4.3.4 The results from the corrections to noise modelling identify the predicted noise effect is increased from not significant to significant at four receptor locations (Town Farm, Moor Buildings, B1122 East of Yoxford and Doughty Wylie Crescent) during a number of assessment scenarios.

4.3.5 At Town Farm, as there was already a significant landscape and visual effect identified at this receptor location, hence, there is no change to the conclusion of the original inter-relationship effects assessment and a high potential for additional significant adverse inter-relationship effect remains.

4.3.6 At the following locations there is now considered to be high potential for additional significant adverse inter-relationship effects:

- Moor Buildings (2028 typical night time);
- B1122 East of Yoxford (2028 busiest day and 2018 typical and busiest night-time); and
- Doughty Wylie Crescent (2028 busiest night).

5 CONCLUSION

5.1.1 In summary, the corrections to noise modelling have identified new significant adverse effects at the following receptors:

- adjacent to two village bypass:
 - Chapel Cottages;
- adjacent to Sizewell link road:
 - Town Farm;
 - B1122 East of Yoxford;
 - Moor Buildings; and
 - Doughty Wylie Crescent.

5.1.2 Measures are proposed to address the identified significant adverse effects in the **Noise Mitigation Scheme** (Doc Ref 6.3 11H(B)), which provides a mechanism through which affected properties can obtain improvements to their glazing to better keep out sound, subject to certain qualifying noise criteria.

5.1.3 Significant effects have reduced to not significant at the following locations, as a result of the corrections to the modelling:

- Adjacent to two village bypass:
 - Mollett's Farm;
 - 51 Friday Street;
- Adjacent to Sizewell link road:
 - Annesons Cottage (reduced from moderate beneficial to minor beneficial);
 - Church Farm; and
 - Moat House.

5.1.4 The alterations in the assessment outcomes do not materially alter the overall conclusions of the road traffic noise assessment for the two village

bypass and Sizewell link road and, therefore, no additional mitigation is considered necessary.

5.1.5 Refreshed noise assessments will be undertaken to determine eligibility for insulation under the **Noise Mitigation Scheme** (Doc Ref 6.3 11H(B)), however, the following receptors are likely to be eligible:

- Adjacent to two village bypass:
 - Receptor 12 Pond Barn Cottages;
- Adjacent to Sizewell link road:
 - Receptor 25 B1122 East of Yoxford;
 - Receptor 26 B1122 Rail Crossing; and
 - Receptor 31 Laurel Farm.
- Adjacent to Yoxford roundabout
 - Receptor 8 The Cottage;
 - Receptor 9 Sunnypatch;
 - Receptor 14 The Old Barn;
 - Receptor 15 Rookery Cottage; and
 - Receptor 24 Hopton Yard E of Old Barn.

5.1.6 The receptors that are likely to be eligible under the **Noise Mitigation Scheme** (Doc Ref 6.3 11H(B)), only vary slightly from those set out in the original ES:

- Two village bypass: no change from the position set out in the original ES (**Volume 5, Chapter 4** (Noise and Vibration) of the ES [[APP-415](#)]);
- Sizewell link road: same overall number of receptors likely to be eligible, but one receptor now identified that was not considered likely to be eligible previously in the original ES (**Volume 6, Chapter 4** (Noise and Vibration) of the ES [[APP-451](#)]), and one that was considered likely to be eligible previously, that no longer is;

- Yoxford roundabout: one additional receptor considered likely to be eligible, relative to conclusions in the original ES (**Volume 7, Chapter 4** (Noise and Vibration) of the **ES** [[APP-484](#)]).

5.1.7 The nature, duration or quantum of change to the effects is not considered to be sufficient to manifest in an additional adverse health outcome, and noise mitigation remains in place that is protective of health. On this basis, there is no material change to the health and wellbeing assessment, and the mitigation remains appropriate.

5.1.8 A high potential for an additional significant inter-relationship effect has been identified for the following receptors: Chapel Cottages, B1122 East of Yoxford, Moor Buildings and Doughty Wylie Crescent. However, as referenced above, the noise mitigation identified within the ES remains appropriate.

APPENDIX A: TWO VILLAGE BYPASS – CORRECTIONS TO ROAD TRAFFIC NOISE LEVEL PREDICTIONS

1 INTRODUCTION

- 1.1.1 This document contains updated road traffic noise level predictions, correcting an error in the noise modelling linked to modelled receptor heights and an error in the presentation of the daytime noise levels. This latter error does not affect assessment categories, only the absolute noise levels during the daytime.
- 1.1.2 Prior to this update, the current road traffic noise predictions for the two village bypass were contained in the following documents:
- **Volume 3, Appendix 5.3.C** of the **First ES Addendum** [[AS-245](#)] for all 2028 scenarios, which were contained in:
 - Table 5.3.C.1 for 2028 Typical Day;
 - Table 5.3.C.2 for 2028 Typical Night;
 - Table 5.3.C.3 for 2028 Busiest Day; and
 - Table 5.3.C.4 for 2028 Busiest Night.
 - **Volume 3, Appendix 5.3.B** of the **First ES Addendum** [[AS-245](#)] for the two 2034 scenarios:
 - Table 5.3.B.5 for 2034 Day; and
 - Table 5.3.B.6 for 2034 Night.
- 1.1.3 Where the updated predicted levels cause a change in the assessment category that is worse than that set out in the **First ES Addendum**, the cell containing the assessment effect is coloured orange. Where the updated predicted levels cause a change in the assessment category that is better than that in the **First ES Addendum**, the cell containing the assessment effect is coloured green. Where the updated predicted levels do not cause a change in the assessment category, the cell is not shaded with any colour.
- 1.1.4 Where the updated predicted levels cause a change in the significance of the effect, the text appears in **bold**.

Table A.1: Predicted road traffic noise levels for the two village bypass, 2028 Typical day, dB

2028 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Chapel Cottages	50.7	53.2	2.5	Minor adverse, not significant	54.0	56.8	2.8	Minor adverse, not significant
2	Parkgate Farm	50.9	56.3	5.4	Major adverse, significant	54.8	59.7	4.9	Moderate adverse, significant
3	The Stables	70.0	59.5	-10.5	Major beneficial, significant	73.0	63.1	-9.9	Major beneficial, significant
4	The Red House	70.8	56.6	-14.2	Major beneficial, significant	74.0	60.0	-14.0	Major beneficial, significant
5	Stratford Grange	52.5	52.9	0.4	Negligible, not significant	56.0	56.0	0.0	Negligible, not significant
6	Unknown	63.2	52.7	-10.5	Major beneficial, significant	66.9	55.8	-11.1	Major beneficial, significant
7	Long Row 1	71.1	51.5	-19.6	Major beneficial, significant	74.6	54.7	-19.9	Major beneficial, significant
8	Long Row 2	57.5	51.2	-6.3	Major beneficial, significant	61.6	54.3	-7.3	Major beneficial, significant
9	Long Row 3	66.3	47.6	-18.7	Major beneficial, significant	70.4	51.4	-19.0	Major beneficial, significant
10	Hill Farm	41.4	48.5	7.1	Major adverse, significant	44.4	52.4	8.0	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		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10} , 18h, dB		Difference, dB	Effect	Day, façade L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
11	The Old Vicarage	47.8	51.3	3.5	Moderate adverse, significant	50.6	54.3	3.7	Moderate adverse, significant
12	Pond Barn Cottages	44.8	59.6	14.8	Major adverse, significant	47.1	62.9	15.8	Major adverse, significant
13	Farnham Hall	38.0	52.2	14.2	Major adverse, significant	41.9	54.9	13	Major adverse, significant
14	Farnham Hall Farmhouse	44.5	56.0	11.5	Major adverse, significant	47.6	59.4	11.8	Major adverse, significant
15	Mollett's Farm	48.9	52.6	3.7	Moderate adverse, significant	52.5	55.1	2.6	Minor adverse, not significant
16	Benhallstock Cottages	74.2	54.8	-19.4	Major beneficial, significant	77.2	57.4	-19.8	Major beneficial, significant
17	Friday Street Farm	46.5	47.8	1.3	Minor adverse, not significant	50.7	51.9	1.2	Minor adverse, not significant
18	51 Friday Street	46.1	49.5	3.4	Moderate adverse, significant	49.8	52.6	2.8	Minor adverse, not significant
19	Rosehill Cottages	48.8	50.5	1.7	Minor adverse, not significant	52.1	53.4	1.3	Minor adverse, not significant

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

SIZEWELL C PROJECT –
THIRD ENVIRONMENTAL STATEMENT ADDENDUM

NOT PROTECTIVELY MARKED

2028 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10} , 18h, dB		Difference, dB	Effect	Day, façade L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
20	Elm Tree Farm	72.5	49.4	-23.1	Major beneficial, significant	76.1	53.0	-23.1	Major beneficial, significant
21	Unknown	75.8	51.0	-24.8	Major beneficial, significant	78.5	54.0	-24.5	Major beneficial, significant
22	The Limes	65.2	47.5	-17.7	Major beneficial, significant	68.9	51.1	-17.8	Major beneficial, significant
23	Ash Tree Cottage	63.2	44.1	-19.1	Major beneficial, significant	67.3	48.0	-19.3	Major beneficial, significant
24	Church Hill Cottages	51.7	48.6	-3.1	Moderate beneficial, significant	54.9	51.5	-3.4	Moderate beneficial, significant
25	Church Bungalow	47	51.6	4.6	Moderate adverse, significant	50.0	54.6	4.6	Moderate adverse, significant
26	Rosemary	70.5	49.9	-20.6	Major beneficial, significant	74.4	53.4	-21.0	Major beneficial, significant
27	White House	62.2	48.0	-14.2	Major beneficial, significant	66.0	51.4	-14.6	Major beneficial, significant
28	Mill Lane Houses	47.5	46.3	-1.2	Minor beneficial, not significant	50.4	49.7	-0.7	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

SIZEWELL C PROJECT –
THIRD ENVIRONMENTAL STATEMENT ADDENDUM

NOT PROTECTIVELY MARKED

2028 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10} , 18h, dB		Difference, dB	Effect	Day, façade L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
29	Low Road Houses	42.7	43.7	1.0	Minor adverse, not significant	46.1	47.1	1.0	Minor adverse, not significant
30	Low Barn Farm	39.0	40.7	1.7	Minor adverse, not significant	42.4	44.1	1.7	Minor adverse, not significant
31	Ramblers	48.2	46.2	-2.0	Minor beneficial, not significant	51.5	49.1	-2.4	Minor beneficial, not significant
32	The Old Police House	68.1	50.9	-17.2	Major beneficial, significant	71.7	54.2	-17.5	Major beneficial, significant
33	Yew Tree Cottage	52.2	53.5	1.3	Minor adverse, not significant	55.3	56.7	1.4	Minor adverse, not significant
34	Mill Lane West	45.2	47.8	2.6	Minor adverse, not significant	48.0	50.6	2.6	Minor adverse, not significant
35	Walk Barn Farm	40.8	48.0	7.2	Major adverse, significant	43.3	49.8	6.5	Major adverse, significant

NOT PROTECTIVELY MARKED

Table A.2: Predicted road traffic noise levels for the two village bypass, 2028 Typical night, dB

2028 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Chapel Cottages	42.6	45.6	3.0	Moderate adverse, significant	43.1	46.2	3.1	Moderate adverse, significant
2	Parkgate Farm	47.4	49.3	1.9	Minor adverse, not significant	47.9	49.8	1.9	Minor adverse, not significant
3	The Stables	60.7	53.5	-7.2	Major beneficial, significant	60.9	54.1	-6.8	Major beneficial, significant
4	The Red House	61.2	50.1	-11.1	Major beneficial, significant	61.1	50.2	-10.9	Major beneficial, significant
5	Stratford Grange	44.9	44.7	-0.2	Negligible, not significant	45.7	45.2	-0.5	Negligible, not significant
6	Unknown	56.7	46.0	-10.7	Major beneficial, significant	57.3	46.5	-10.8	Major beneficial, significant
7	Long Row 1	62.3	46.0	-16.3	Major beneficial, significant	62.1	46.3	-15.8	Major beneficial, significant
8	Long Row 2	52.7	45.3	-7.4	Major beneficial, significant	53.3	45.7	-7.6	Major beneficial, significant

2028 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
9	Long Row 3	59.3	44.0	-15.3	Major beneficial, significant	59.7	44.6	-15.1	Major beneficial, significant
10	Hill Farm	33.1	46.2	13.1	Major adverse, significant	33.1	46.8	13.7	Major adverse, significant
11	The Old Vicarage	38.8	43.2	4.4	Moderate adverse, significant	38.9	43.8	4.9	Moderate adverse, significant
12	Pond Barn Cottages	35.5	55.5	20.0	Major adverse, significant	35.9	56.2	20.3	Major adverse, significant
13	Farnham Hall	31.8	43.8	12.0	Major adverse, significant	33.6	44.7	11.1	Major adverse, significant
14	Farnham Hall Farmhouse	36.4	53.0	16.6	Major adverse, significant	37.0	53.7	16.7	Major adverse, significant
15	Mollett's Farm	41.4	43.9	2.5	Minor adverse, not significant	42.3	44.6	2.3	Minor adverse, not significant
16	Benhallstock Cottages	63.8	47.9	-15.9	Major beneficial, significant	63.7	48.3	-15.4	Major beneficial, significant
17	Friday Street Farm	45.2	46.6	1.4	Minor adverse, not significant	46.0	47.3	1.3	Minor adverse, not significant

2028 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
18	51 Friday Street	38.3	41.5	3.2	Moderate adverse, significant	39.7	42.4	2.7	Minor adverse, not significant
19	Rosehill Cottages	40.2	42.0	1.8	Minor adverse, not significant	40.8	42.5	1.7	Minor adverse, not significant
20	Elm Tree Farm	63.1	45.6	-17.5	Major beneficial, significant	62.7	45.8	-16.9	Major beneficial, significant
21	Unknown	64.5	46.3	-18.2	Major beneficial, significant	63.9	46.5	-17.4	Major beneficial, significant
22	The Limes	58.1	44.7	-13.4	Major beneficial, significant	58.7	45.3	-13.4	Major beneficial, significant
23	Ash Tree Cottage	56.8	42.8	-14.0	Major beneficial, significant	57.5	43.7	-13.8	Major beneficial, significant
24	Church Hill Cottages	47.2	41.0	-6.2	Major beneficial, significant	47.6	41.5	-6.1	Major beneficial, significant
25	Church Bungalow	38.5	43.1	4.6	Moderate adverse, significant	38.9	43.4	4.5	Moderate adverse, significant
26	Rosemary	61.6	44.8	-16.8	Major beneficial, significant	61.6	45.1	-16.5	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

NOT PROTECTIVELY MARKED

2028 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
27	White House	55.7	43.2	-12.5	Major beneficial, significant	56.3	43.8	-12.5	Major beneficial, significant
28	Mill Lane Houses	39.2	39.2	0.0	Negligible, not significant	40.0	40.2	0.2	Negligible, not significant
29	Low Road Houses	35.5	36.9	1.4	Minor adverse, not significant	36.9	38.3	1.4	Minor adverse, not significant
30	Low Barn Farm	31.8	33.8	2.0	Minor adverse, not significant	32.9	34.7	1.8	Minor adverse, not significant
31	Ramblers	39.7	37.7	-2.0	Minor beneficial, not significant	40.1	37.9	-2.2	Minor beneficial, not significant
32	The Old Police House	60.2	45.9	-14.3	Major beneficial, significant	60.9	46.5	-14.4	Major beneficial, significant
33	Yew Tree Cottage	48.0	50.7	2.7	Minor adverse, not significant	48.6	51.2	2.6	Minor adverse, not significant
34	Mill Lane West	39.0	39.1	0.1	Negligible, not significant	39.4	39.4	0.0	Negligible, not significant
35	Walk Barn Farm	32.2	38.7	6.5	Major adverse, significant	32.9	39.3	6.4	Major adverse, significant

NOT PROTECTIVELY MARKED

Table A.3: Predicted road traffic noise levels for the two village bypass, 2028 Busiest day, dB

2028 Busiest Day		ES Addendum Values				Corrected Values			
Receptor		Day, free-field LA10, 18h, dB		Difference, dB	Effect	Day, façade LA10, 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Chapel Cottages	50.7	53.3	2.6	Minor adverse, not significant	54.0	57.2	3.2	Moderate adverse, significant
2	Parkgate Farm	50.9	56.5	5.6	Major adverse, significant	54.8	60.1	5.3	Major adverse, significant
3	The Stables	70.0	59.7	-10.3	Major beneficial, significant	73.0	63.4	-9.6	Major beneficial, significant
4	The Red House	70.8	56.8	-14.0	Major beneficial, significant	74.0	60.3	-13.7	Major beneficial, significant
5	Stratford Grange	52.5	53.1	0.6	Negligible, not significant	56.0	56.4	0.4	Negligible, not significant
6	Unknown	63.2	52.9	-10.3	Major beneficial, significant	66.9	56.1	-10.8	Major beneficial, significant
7	Long Row 1	71.1	51.6	-19.5	Major beneficial, significant	74.6	54.9	-19.7	Major beneficial, significant
8	Long Row 2	57.5	51.4	-6.1	Major beneficial, significant	61.6	54.6	-7.0	Major beneficial, significant
9	Long Row 3	66.3	47.6	-18.7	Major beneficial, significant	70.4	51.6	-18.8	Major beneficial, significant
10	Hill Farm	41.4	48.7	7.3	Major adverse, significant	44.4	52.8	8.4	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

SIZEWELL C PROJECT –
THIRD ENVIRONMENTAL STATEMENT ADDENDUM

NOT PROTECTIVELY MARKED

2028 Busiest Day		ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
11	The Old Vicarage	47.8	51.5	3.7	Moderate adverse, significant	50.6	54.6	4.0	Moderate adverse, significant
12	Pond Barn Cottages	44.8	59.7	14.9	Major adverse, significant	47.1	63.2	16.1	Major adverse, significant
13	Farnham Hall	38.0	52.3	14.3	Major adverse, significant	41.9	55.2	13.3	Major adverse, significant
14	Farnham Hall Farmhouse	44.5	56.1	11.6	Major adverse, significant	47.6	59.7	12.1	Major adverse, significant
15	Mollett's Farm	48.9	52.7	3.8	Moderate adverse, significant	52.5	55.5	3.0	Moderate adverse, significant
16	Benhallstock Cottages	74.2	54.9	-19.3	Major beneficial, significant	77.2	57.6	-19.6	Major beneficial, significant
17	Friday Street Farm	46.5	47.9	1.4	Minor adverse, not significant	50.7	52.3	1.6	Minor adverse, not significant
18	51 Friday Street	46.1	49.4	3.3	Moderate adverse, significant	49.8	53.0	3.2	Moderate adverse, significant
19	Rosehill Cottages	48.8	50.6	1.8	Minor adverse, not significant	52.1	53.8	1.7	Minor adverse, 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 Day		ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
20	Elm Tree Farm	72.5	49.5	-23.0	Major beneficial, significant	76.1	53.1	-23.0	Major beneficial, significant
21	Unknown	75.8	51.0	-24.8	Major beneficial, significant	78.5	54.0	-24.5	Major beneficial, significant
22	The Limes	65.2	47.6	-17.6	Major beneficial, significant	68.9	51.3	-17.6	Major beneficial, significant
23	Ash Tree Cottage	63.2	44.2	-19.0	Major beneficial, significant	67.3	48.1	-19.2	Major beneficial, significant
24	Church Hill Cottages	51.7	48.7	-3.0	Moderate beneficial, significant	54.9	51.9	-3.0	Moderate beneficial, significant
25	Church Bungalow	47.0	51.8	4.8	Moderate adverse, significant	50.0	55.0	5.0	Major adverse, significant
26	Rosemary	70.5	50.0	-20.5	Major beneficial, significant	74.4	53.5	-20.9	Major beneficial, significant
27	White House	62.2	48.1	-14.1	Major beneficial, significant	66.0	51.6	-14.4	Major beneficial, significant
28	Mill Lane Houses	47.5	46.4	-1.1	Minor beneficial, not significant	50.4	50.0	-0.4	Negligible, not significant

SIZEWELL C PROJECT –
THIRD ENVIRONMENTAL STATEMENT ADDENDUM

NOT PROTECTIVELY MARKED

2028 Busiest Day		ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
29	Low Road Houses	42.7	43.9	1.2	Minor adverse, not significant	46.1	47.4	1.3	Minor adverse, not significant
30	Low Barn Farm	39.0	40.8	1.8	Minor adverse, not significant	42.4	44.4	2.0	Minor adverse, not significant
31	Ramblers	48.2	46.4	-1.8	Minor beneficial, not significant	51.5	49.4	-2.1	Minor beneficial, not significant
32	The Old Police House	68.1	51.0	-17.1	Major beneficial, significant	71.7	54.3	-17.4	Major beneficial, significant
33	Yew Tree Cottage	52.2	53.4	1.2	Minor adverse, not significant	55.3	57.1	1.8	Minor adverse, not significant
34	Mill Lane West	45.2	47.9	2.7	Minor adverse, not significant	48.0	50.9	2.9	Minor adverse, not significant
35	Walk Barn Farm	40.8	48.1	7.3	Major adverse, significant	43.3	50.2	6.9	Major adverse, significant

NOT PROTECTIVELY MARKED

Table A.4: Predicted road traffic noise levels for the two village bypass, 2028 Busiest night, dB

2028 Busiest Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Chapel Cottages	42.6	45.7	3.1	Moderate adverse, significant	43.1	46.2	3.1	Moderate adverse, significant
2	Parkgate Farm	47.4	49.3	1.9	Minor adverse, not significant	47.9	49.9	2.0	Minor adverse, not significant
3	The Stables	60.7	53.5	-7.2	Major beneficial, significant	60.9	54.1	-6.8	Major beneficial, significant
4	The Red House	61.2	50.2	-11.0	Major beneficial, significant	61.1	50.3	-10.8	Major beneficial, significant
5	Stratford Grange	44.9	44.7	-0.2	Negligible, not significant	45.7	45.3	-0.4	Negligible, not significant
6	Unknown	56.7	46.0	-10.7	Major beneficial, significant	57.3	46.5	-10.8	Major beneficial, significant
7	Long Row 1	62.3	46.0	-16.3	Major beneficial, significant	62.1	46.4	-15.7	Major beneficial, significant
8	Long Row 2	52.7	45.3	-7.4	Major beneficial, significant	53.3	45.7	-7.6	Major beneficial, significant
9	Long Row 3	59.3	44.0	-15.3	Major beneficial, significant	59.7	44.6	-15.1	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 Busiest Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
10	Hill Farm	33.1	46.2	13.1	Major adverse, significant	33.1	46.5	13.4	Major adverse, significant
11	The Old Vicarage	38.8	43.2	4.4	Moderate adverse, significant	38.9	43.8	4.9	Moderate adverse, significant
12	Pond Barn Cottages	35.5	55.5	20.0	Major adverse, significant	35.9	55.9	20.0	Major adverse, significant
13	Farnham Hall	31.8	43.9	12.1	Major adverse, significant	33.6	44.7	11.1	Major adverse, significant
14	Farnham Hall Farmhouse	36.4	53.0	16.6	Major adverse, significant	37.0	53.3	16.3	Major adverse, significant
15	Mollett's Farm	41.4	44.0	2.6	Minor adverse, not significant	42.3	44.7	2.4	Minor adverse, not significant
16	Benhallstock Cottages	63.8	47.9	-15.9	Major beneficial, significant	63.7	48.3	-15.4	Major beneficial, significant
17	Friday Street Farm	45.2	46.6	1.4	Minor adverse, not significant	46.0	46.9	0.9	Negligible, not significant
18	51 Friday Street	38.3	41.3	3.0	Moderate adverse, significant	39.7	42.5	2.8	Minor adverse, not significant

NOT PROTECTIVELY MARKED

2028 Busiest Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
19	Rosehill Cottages	40.2	42.0	1.8	Minor adverse, not significant	40.8	42.5	1.7	Minor adverse, not significant
20	Elm Tree Farm	63.1	45.7	-17.4	Major beneficial, significant	62.7	45.9	-16.8	Major beneficial, significant
21	Unknown	64.5	46.3	-18.2	Major beneficial, significant	63.9	46.5	-17.4	Major beneficial, significant
22	The Limes	58.1	44.7	-13.4	Major beneficial, significant	58.7	45.3	-13.4	Major beneficial, significant
23	Ash Tree Cottage	56.8	42.8	-14.0	Major beneficial, significant	57.5	43.7	-13.8	Major beneficial, significant
24	Church Hill Cottages	47.2	41.0	-6.2	Major beneficial, significant	47.6	41.6	-6.0	Major beneficial, significant
25	Church Bungalow	38.5	43.1	4.6	Moderate adverse, significant	38.9	43.5	4.6	Moderate adverse, significant
26	Rosemary	61.6	44.9	-16.7	Major beneficial, significant	61.6	45.2	-16.4	Major beneficial, significant
27	White House	55.7	43.2	-12.5	Major beneficial, significant	56.3	43.8	-12.5	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 Busiest Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
28	Mill Lane Houses	39.2	39.3	0.1	Negligible, not significant	40.0	40.3	0.3	Negligible, not significant
29	Low Road Houses	35.5	37.0	1.5	Minor adverse, not significant	36.9	38.4	1.5	Minor adverse, not significant
30	Low Barn Farm	31.8	33.8	2.0	Minor adverse, not significant	32.9	34.8	1.9	Minor adverse, not significant
31	Ramblers	39.7	37.8	-1.9	Minor beneficial, not significant	40.1	38.0	-2.1	Minor beneficial, not significant
32	The Old Police House	60.2	45.9	-14.3	Major beneficial, significant	60.9	46.5	-14.4	Major beneficial, significant
33	Yew Tree Cottage	48.0	50.5	2.5	Minor adverse, not significant	48.6	50.8	2.2	Minor adverse, not significant
34	Mill Lane West	39.0	39.2	0.2	Negligible, not significant	39.4	39.5	0.1	Negligible, not significant
35	Walk Barn Farm	32.2	38.7	6.5	Major adverse, significant	32.9	39.4	6.5	Major adverse, significant

Table A.5: Predicted road traffic noise levels for the two village bypass, 2034 day, dB

2034 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field LA10, 18h, dB		Difference, dB	Effect	Day, façade LA10, 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Chapel Cottages	50.9	52.6	1.7	Negligible, not significant	54.2	56.3	2.1	Negligible, not significant
2	Parkgate Farm	51.1	55.8	4.7	Minor adverse, not significant	55.0	59.2	4.2	Minor adverse, not significant
3	The Stables	70.2	59.0	-11.2	Major beneficial, significant	73.2	62.6	-10.6	Major beneficial, significant
4	The Red House	71.0	56.3	-14.7	Major beneficial, significant	74.2	59.6	-14.6	Major beneficial, significant
5	Stratford Grange	52.7	52.5	-0.2	Negligible, not significant	56.2	55.5	-0.7	Negligible, not significant
6	Unknown	63.4	52.4	-11.0	Major beneficial, significant	67.1	55.6	-11.5	Major beneficial, significant
7	Long Row 1	71.3	51.4	-19.9	Major beneficial, significant	74.8	54.7	-20.1	Major beneficial, significant
8	Long Row 2	57.7	50.9	-6.8	Moderate beneficial, significant	61.8	53.9	-7.9	Moderate beneficial, significant
9	Long Row 3	66.5	47.7	-18.8	Major beneficial, significant	70.6	51.6	-19.0	Major beneficial, significant

2034 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
10	Hill Farm	41.6	48.1	6.5	Moderate adverse, significant	44.6	52.0	7.4	Moderate adverse, significant
11	The Old Vicarage	48.0	50.9	2.9	Negligible, not significant	50.8	53.8	3.0	Minor adverse, not significant
12	Pond Barn Cottages	45.0	59.1	14.1	Major adverse, significant	47.3	62.5	15.2	Major adverse, significant
13	Farnham Hall	38.2	51.7	13.5	Major adverse, significant	42.1	54.5	12.4	Major adverse, significant
14	Farnham Hall Farmhouse	44.9	55.5	10.6	Major adverse, significant	47.8	58.9	11.1	Major adverse, significant
15	Mollett's Farm	49.1	52.1	3.0	Minor adverse, not significant	52.7	54.7	2.0	Negligible, not significant
16	Benhallstock Cottages	74.4	54.8	-19.6	Major beneficial, significant	77.4	57.4	-20.0	Major beneficial, significant
17	Friday Street Farm	46.7	47.3	0.6	Negligible, not significant	50.9	51.4	0.5	Negligible, not significant
18	51 Friday Street	46.5	49.0	2.5	Negligible, not significant	50.0	52.1	2.1	Negligible, not significant

SIZEWELL C PROJECT –
THIRD ENVIRONMENTAL STATEMENT ADDENDUM

NOT PROTECTIVELY MARKED

2034 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
19	Rosehill Cottages	49.3	50.0	0.7	Negligible, not significant	52.3	52.9	0.6	Negligible, not significant
20	Elm Tree Farm	72.7	49.8	-22.9	Major beneficial, significant	76.3	53.3	-23.0	Major beneficial, significant
21	Unknown	76.0	51.6	-24.4	Major beneficial, significant	78.7	54.6	-24.1	Major beneficial, significant
22	The Limes	65.4	47.8	-17.6	Major beneficial, significant	69.1	51.4	-17.7	Major beneficial, significant
23	Ash Tree Cottage	63.4	44.5	-18.9	Major beneficial, significant	67.5	48.4	-19.1	Major beneficial, significant
24	Church Hill Cottages	51.9	48.1	-3.8	Minor beneficial, not significant	55.1	51.1	-4.0	Minor beneficial, not significant
25	Church Bungalow	47.2	51.2	4.0	Minor adverse, not significant	50.2	54.2	4.0	Minor adverse, not significant
26	Rosemary	70.7	50.1	-20.6	Major beneficial, significant	74.6	53.7	-20.9	Major beneficial, significant
27	White House	62.4	48.0	-14.4	Major beneficial, significant	66.2	51.3	-14.9	Major beneficial, significant
28	Mill Lane Houses	47.7	45.8	-1.9	Negligible, not significant	50.6	49.3	-1.3	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

SIZEWELL C PROJECT –
THIRD ENVIRONMENTAL STATEMENT ADDENDUM

NOT PROTECTIVELY MARKED

2034 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
29	Low Road Houses	42.9	43.3	0.4	Negligible, not significant	46.3	46.6	0.3	Negligible, not significant
30	Low Barn Farm	39.2	40.2	1.0	Negligible, not significant	42.6	43.6	1.0	Negligible, not significant
31	Ramblers	48.4	45.8	-2.6	Negligible, not significant	51.7	48.6	-3.1	Minor beneficial, not significant
32	The Old Police House	68.3	50.9	-17.4	Major beneficial, significant	71.9	54.2	-17.7	Major beneficial, significant
33	Yew Tree Cottage	52.4	53.0	0.6	Negligible, not significant	55.5	56.2	0.7	Negligible, not significant
34	Mill Lane West	45.4	47.3	1.9	Negligible, not significant	48.2	50.1	1.9	Negligible, not significant
35	Walk Barn Farm	41.0	47.5	6.5	Moderate adverse, significant	43.5	49.4	5.9	Moderate adverse, significant

NOT PROTECTIVELY MARKED

Table A.6: Predicted road traffic noise levels for the two village bypass, 2034 night, dB

2034 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L_{night} , dB		Difference, dB	Effect	Night, free-field L_{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Chapel Cottages	42.8	44.8	2.0	Negligible, not significant	43.4	45.3	1.9	Negligible, not significant
2	Parkgate Farm	47.6	48.4	0.8	Negligible, not significant	48.1	48.9	0.8	Negligible, not significant
3	The Stables	60.8	52.6	-8.2	Moderate beneficial, significant	61.1	53.2	-7.9	Moderate beneficial, significant
4	The Red House	61.3	49.4	-11.9	Major beneficial, significant	61.3	49.5	-11.8	Major beneficial, significant
5	Stratford Grange	45.1	43.8	-1.3	Negligible, not significant	45.9	44.4	-1.5	Negligible, not significant
6	Unknown	56.8	45.5	-11.3	Major beneficial, significant	57.5	46.0	-11.5	Major beneficial, significant
7	Long Row 1	62.5	45.7	-16.8	Major beneficial, significant	62.3	46.0	-16.3	Major beneficial, significant
8	Long Row 2	52.9	44.6	-8.3	Moderate beneficial, significant	53.4	45.0	-8.4	Moderate beneficial, significant

SIZEWELL C PROJECT –
THIRD ENVIRONMENTAL STATEMENT ADDENDUM

NOT PROTECTIVELY MARKED

2034 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
9	Long Row 3	59.5	43.8	-15.7	Major beneficial, significant	59.8	44.4	-15.4	Major beneficial, significant
10	Hill Farm	33.3	45.4	12.1	Major adverse, significant	33.3	46.0	12.7	Major adverse, significant
11	The Old Vicarage	39.0	42.3	3.3	Minor adverse, not significant	39.1	42.9	3.8	Minor adverse, not significant
12	Pond Barn Cottages	35.7	54.7	19.0	Major adverse, significant	36.1	55.4	19.3	Major adverse, significant
13	Farnham Hall	32.0	43.0	11.0	Major adverse, significant	33.7	43.8	10.1	Major adverse, significant
14	Farnham Hall Farmhouse	36.7	52.2	15.5	Major adverse, significant	37.2	52.9	15.7	Major adverse, significant
15	Mollett's Farm	41.6	43.1	1.5	Negligible, not significant	42.4	43.8	1.4	Negligible, not significant
16	Benhallstock Cottages	63.9	47.6	-16.3	Major beneficial, significant	63.9	47.9	-16.0	Major beneficial, significant
17	Friday Street Farm	45.3	45.7	0.4	Negligible, not significant	46.1	46.4	0.3	Negligible, not significant
18	51 Friday Street	38.8	40.7	1.9	Negligible, not significant	39.9	41.5	1.6	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

2034 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
19	Rosehill Cottages	40.5	41.2	0.7	Negligible, not significant	40.9	41.6	0.7	Negligible, not significant
20	Elm Tree Farm	63.3	45.6	-17.7	Major beneficial, significant	62.9	45.7	-17.2	Major beneficial, significant
21	Unknown	64.7	46.1	-18.6	Major beneficial, significant	64.1	46.3	-17.8	Major beneficial, significant
22	The Limes	58.2	44.4	-13.8	Major beneficial, significant	58.8	45.0	-13.8	Major beneficial, significant
23	Ash Tree Cottage	57.0	42.6	-14.4	Major beneficial, significant	57.6	43.5	-14.1	Major beneficial, significant
24	Church Hill Cottages	47.3	40.3	-7.0	Moderate beneficial, significant	47.8	40.8	-7.0	Moderate beneficial, significant
25	Church Bungalow	38.7	42.3	3.6	Minor adverse, not significant	39.1	42.6	3.5	Minor adverse, not significant
26	Rosemary	61.7	44.7	-17.0	Major beneficial, significant	61.7	45.0	-16.7	Major beneficial, significant
27	White House	55.9	42.9	-13.0	Major beneficial, significant	56.4	43.5	-12.9	Major beneficial, significant

2034 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
28	Mill Lane Houses	39.4	38.4	-1.0	Negligible, not significant	40.2	39.4	-0.8	Negligible, not significant
29	Low Road Houses	35.6	36.1	0.5	Negligible, not significant	37.0	37.5	0.5	Negligible, not significant
30	Low Barn Farm	32.0	32.9	0.9	Negligible, not significant	33.1	33.9	0.8	Negligible, not significant
31	Ramblers	39.9	36.9	-3.0	Minor beneficial, not significant	40.3	37.1	-3.2	Minor beneficial, not significant
32	The Old Police House	60.4	45.7	-14.7	Major beneficial, significant	61.0	46.3	-14.7	Major beneficial, significant
33	Yew Tree Cottage	48.1	49.8	1.7	Negligible, not significant	48.7	50.3	1.6	Negligible, not significant
34	Mill Lane West	39.2	38.3	-0.9	Negligible, not significant	39.5	38.6	-0.9	Negligible, not significant
35	Walk Barn Farm	32.4	37.9	5.5	Moderate adverse, significant	33.1	38.5	5.4	Moderate adverse, significant

APPENDIX B: SIZEWELL LINK ROAD – CORRECTIONS TO ROAD TRAFFIC NOISE LEVEL PREDICTIONS

1 INTRODUCTION

- 1.1.1 This document contains updated road traffic noise level predictions, correcting an error in the noise modelling linked to modelled receptor heights and an error in the presentation of the daytime noise levels. This latter error does not affect assessment categories, only the absolute noise levels during the daytime.
- 1.1.2 Prior to this update, the current road traffic noise predictions for the Sizewell link road were contained in the following documents:
- **Volume 3, Appendix 6.3.C** of the **First ES Addendum** [\[AS-249\]](#) for all 2028 scenarios, which were contained in:
 - Table 6.3.C.1 for 2028 Typical Day;
 - Table 6.3.C.2 for 2028 Typical Night;
 - Table 6.3.C.3 for 2028 Busiest Day; and
 - Table 6.3.C.4 for 2028 Busiest Night.
 - **Volume 3, Appendix 6.3.B** of the **First ES Addendum** [\[AS-249\]](#) for the two 2034 scenarios:
 - Table 6.3.B.5 for 2034 Day; and
 - Table 6.3.B.6 for 2034 Night.
- 1.1.3 Where the updated predicted levels cause a change in the assessment category that is worse than that set out in the **First ES Addendum**, the cell containing the assessment effect is coloured orange. Where the updated predicted levels cause a change in the assessment category that is better than that in the **First ES Addendum**, the cell containing the assessment effect is coloured green. Where the updated predicted levels do not cause a change in the assessment category, the cell is not shaded with any colour.
- 1.1.4 Where the updated predicted levels cause a change in the significance of the effect, the text appears in **bold**.

Table B.1: Predicted road traffic noise levels for the Sizewell link road, 2028 Typical day, dB

2028 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	51.6	52.8	1.2	Minor adverse, not significant	55.3	56.5	1.2	Minor adverse, not significant
2	Buskie Farm	46.1	48.2	2.1	Minor adverse, not significant	48.4	50.6	2.2	Minor adverse, not significant
3	Fordley Hall	36.4	44.6	8.2	Major adverse, significant	39.4	48.7	9.3	Major adverse, significant
4	Norwood House	46.2	46.7	0.5	Negligible, not significant	50.5	50.2	-0.3	Negligible, not significant
5	Cross Roads	51.1	47.2	-3.9	Moderate beneficial, significant	57.3	51.1	-6.2	Major beneficial, significant
6	Garden House Farm	60.4	49.9	-10.5	Major beneficial, significant	64.4	53.7	-10.7	Major beneficial, significant
7	Mill Street	57.0	47.9	-9.1	Major beneficial, significant	60.8	51.0	-9.8	Major beneficial, significant
8	Yoxford Road	63.3	49.7	-13.6	Major beneficial, significant	66.1	53.1	-13	Major beneficial, significant

2028 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
9	Hill Farm	54.8	50.3	-4.5	Moderate beneficial, significant	59.1	53.7	-5.4	Major beneficial, significant
10	Valley Farm	57.5	51.9	-5.6	Major beneficial, significant	61.1	54.9	-6.2	Major beneficial, significant
11	Annesons Cottage	53.9	52.4	-1.5	Minor beneficial, not significant	57.9	56.3	-1.6	Minor beneficial, not significant
12	Trust Farm	40.5	49.0	8.5	Major adverse, significant	43.0	51.6	8.6	Major adverse, significant
13	Dovehouse Farm	39.4	47.1	7.7	Major adverse, significant	42.3	50.0	7.7	Major adverse, significant
14	Theberton Hall	43.6	47.1	3.5	Moderate adverse, significant	46.5	49.9	3.4	Moderate adverse, significant
15	Church Farm	37.9	45.6	7.7	Major adverse, significant	41.0	48.5	7.5	Major adverse, significant
16	Doughty Wylie Crescent	46.8	52.1	5.3	Major adverse, significant	50.1	55.2	5.1	Major adverse, significant
17	Theberton Grange	45.4	51.8	6.4	Major adverse, significant	48.4	53.6	5.2	Major adverse, significant

NOT PROTECTIVELY MARKED

2028 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
18	Theberton House	47.4	50.8	3.4	Moderate adverse, significant	51.1	54.6	3.5	Moderate adverse, significant
19	Oakfield House	39.1	53.5	14.4	Major adverse, significant	42.1	57.2	15.1	Major adverse, significant
20	Hawthorn Cottages	40.1	50.7	10.6	Major adverse, significant	43.5	54.1	10.6	Major adverse, significant
21	Coronation Cottages	60.1	52.7	-7.4	Major beneficial, significant	63.5	56.5	-7.0	Major beneficial, significant
22	Annesons Corner	54.9	51.2	-3.7	Moderate beneficial, significant	58.7	54.4	-4.3	Moderate beneficial, significant
23	A12 Yoxford	67.9	67.8	-0.1	Negligible, not significant	70.9	70.8	-0.1	Negligible, not significant
24	A12 Yoxford Centre	69.8	69.7	-0.1	Negligible, not significant	73.2	73.1	-0.1	Negligible, not significant
25	B1122 East of Yoxford	55.1	56.6	1.5	Minor adverse, not significant	59.5	60.9	1.4	Minor adverse, not significant
26	B1122 Rail crossing	67.3	68.5	1.2	Minor adverse, not significant	70.2	71.5	1.3	Minor adverse, not significant

NOT PROTECTIVELY MARKED

NOT PROTECTIVELY MARKED

2028 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
27	B1122 Middleton Moor	64.9	49.5	-15.4	Major beneficial, significant	67.5	52.3	-15.2	Major beneficial, significant
28	B1122 Theberton	63.9	49.0	-14.9	Major beneficial, significant	67.3	52.3	-15.0	Major beneficial, significant
29	Kelsale Lodge Cottages	67.1	67.0	-0.1	Negligible, not significant	71.3	71.2	-0.1	Negligible, not significant
30	Rosetta	58.4	59.6	1.2	Minor adverse, not significant	62.5	63.8	1.3	Minor adverse, not significant
31	Laurel Farm	68.6	69.7	1.1	Minor adverse, not significant	72.3	73.4	1.1	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	59.5	60.6	1.1	Minor adverse, not significant	63.6	64.7	1.1	Minor adverse, not significant
33	Rookery Farm	42.2	47.1	4.9	Moderate adverse, significant	45.3	50.2	4.9	Moderate adverse, significant
34	Keepers Cottage	39.1	44.9	5.8	Major adverse, significant	42.0	47.4	5.4	Major adverse, significant
35	Town Farm	42.3	44.9	2.6	Minor adverse, not significant	44.6	47.7	3.1	Moderate adverse, significant
36	Hawthorn Farm	38.3	44.7	6.4	Major adverse, significant	41.1	47.7	6.6	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 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
37	Moat House	38.3	46.2	7.9	Major adverse, significant	40.5	48.1	7.6	Major adverse, significant
38	South of Theberton Grange	43.5	48.1	4.6	Moderate adverse, significant	46.6	51.4	4.8	Moderate adverse, significant
39	Yewtree Farm	41.4	43.3	1.9	Minor adverse, not significant	44.6	46.1	1.5	Minor adverse, not significant
40	Tollgate	55.3	47.8	-7.5	Major beneficial, significant	58.9	51.0	-7.9	Major beneficial, significant
41	Moor Buildings	43.2	45.2	2.0	Minor adverse, not significant	47.1	48.4	1.3	Minor adverse, not significant
42	Rose Farm	38.1	42.2	4.1	Moderate adverse, significant	41.0	45.2	4.2	Moderate adverse, significant
43	South of Theberton Hall Farm	40.5	40.9	0.4	Negligible, not significant	43.8	43.7	-0.1	Negligible, not significant

Table B.2: Predicted road traffic noise levels for the Sizewell link road, 2028 Typical night, dB

2028 Typical Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , 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	44.5	46.5	2.0	Minor adverse, not significant
2	Buskie Farm	36.5	40.3	3.8	Moderate adverse, significant	36.7	40.7	4.0.	Moderate adverse, significant
3	Fordley Hall	29.3	44.5	15.2	Major adverse, significant	29.7	43.3	13.6	Major adverse, significant
4	Norwood House	40.7	41.0	0.3	Negligible, not significant	40.8	41.6	0.8	Negligible, not significant
5	Cross Roads	52.4	45.8	-6.6	Major beneficial, significant	50.9	45.3	-5.6	Major beneficial, significant
6	Garden House Farm	55.2	47.9	-7.3	Major beneficial, significant	54.4	47.2	-7.2	Major beneficial, significant
7	Mill Street	54.8	47.2	-7.6	Major beneficial, significant	53.2	46.3	-6.9	Major beneficial, significant
8	Yoxford Road	55.5	48.4	-7.1	Major beneficial, significant	55.2	47.3	-7.9	Major beneficial, significant

NOT PROTECTIVELY MARKED

2028 Typical Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
9	Hill Farm	53.6	47.6	-6.0	Major beneficial, significant	52.2	47.0	-5.2	Major beneficial, significant
10	Valley Farm	54.3	48.7	-5.6	Major beneficial, significant	53.1	48.0	-5.1	Major beneficial, significant
11	Annesons Cottage	53.1	48.9	-4.2	Moderate beneficial, significant	51.3	48.8	-2.5	Minor beneficial, not significant
12	Trust Farm	36.6	42.4	5.8	Major adverse, significant	35.4	42.9	7.5	Major adverse, significant
13	Dovehouse Farm	32.0	40.2	8.2	Major adverse, significant	32.0	40.4	8.4	Major adverse, significant
14	Theberton Hall	36.7	43.1	6.4	Major adverse, significant	37.3	42.8	5.5	Major adverse, significant
15	Church Farm	31.2	38.9	7.7	Major adverse, significant	31.5	39.4	7.9	Major adverse, significant
16	Doughty Wylie Crescent	43.1	46.3	3.2	Moderate adverse, significant	41.8	45.0	3.2	Moderate adverse, significant
17	Theberton Grange	38.1	44.5	6.4	Major adverse, significant	38.4	45.1	6.7	Major adverse, significant

NOT PROTECTIVELY MARKED

2028 Typical Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L_{night} , dB		Difference, dB	Effect	Night, free-field L_{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
18	Theberton House	40.9	45.4	4.5	Moderate adverse, significant	41.3	46.0	4.7	Moderate adverse, significant
19	Oakfield House	31.8	47.6	15.8	Major adverse, significant	31.9	48.0	16.1	Major adverse, significant
20	Hawthorn Cottages	33.6	44.7	11.1	Major adverse, significant	34.0	45.1	11.1	Major adverse, significant
21	Coronation Cottages	55.0	49.6	-5.4	Major beneficial, significant	54.3	49.2	-5.1	Major beneficial, significant
22	Annesons Corner	53.4	47.9	-5.5	Major beneficial, significant	51.6	47.3	-4.3	Moderate beneficial, significant
23	A12 Yoxford	59.4	59.5	0.1	Negligible, not significant	58.8	58.9	0.1	Negligible, not significant
24	A12 Yoxford Centre	61.8	62.1	0.3	Negligible, not significant	61.0	61.2	0.2	Negligible, not significant
25	B1122 East of Yoxford	51.1	53.6	2.5	Minor adverse, not significant	51.9	55.2	3.3	Moderate adverse, significant
26	B1122 Rail crossing	56.1	58.9	2.8	Minor adverse, not significant	57.3	59.8	2.5	Minor adverse, not significant

2028 Typical Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
27	B1122 Middleton Moor	55.7	47.5	-8.2	Major beneficial, significant	55.5	46.4	-9.1	Major beneficial, significant
28	B1122 Theberton	56.9	48.6	-8.3	Major beneficial, significant	56.0	47.4	-8.6	Major beneficial, significant
29	Kelsale Lodge Cottages	60.5	60.7	0.2	Negligible, not significant	60.1	60.3	0.2	Negligible, not significant
30	Rosetta	50.9	52.7	1.8	Minor adverse, not significant	51.4	53.2	1.8	Minor adverse, not significant
31	Laurel Farm	61.0	62.2	1.2	Minor adverse, not significant	60.9	62.3	1.4	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	51.8	53.5	1.7	Minor adverse, not significant	52.3	54.1	1.8	Minor adverse, not significant
33	Rookery Farm	34.3	40.0	5.7	Major adverse, significant	34.7	40.3	5.6	Major adverse, significant
34	Keepers Cottage	32.9	37.8	4.9	Moderate adverse, significant	31.8	38.0	6.2	Major adverse, significant
35	Town Farm	33.4	37.8	4.4	Moderate adverse, significant	33.9	38.3	4.4	Moderate adverse, significant

2028 Typical Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
36	Hawthorn Farm	31.0	38.2	7.2	Major adverse, significant	31.0	38.4	7.4	Major adverse, significant
37	Moat House	30.4	38.7	8.3	Major adverse, significant	30.5	39.3	8.8	Major adverse, significant
38	South of Theberton Grange	34.8	40.5	5.7	Major adverse, significant	35.2	41.1	5.9	Major adverse, significant
39	Yewtree Farm	34.4	36.8	2.4	Minor adverse, not significant	34.5	37.0	2.5	Minor adverse, not significant
40	Tollgate	53.5	48.5	-5.0	Major beneficial, significant	51.9	47.3	-4.6	Moderate beneficial, significant
41	Moor Buildings	36.4	39.3	2.9	Minor adverse, not significant	36.6	39.6	3.0	Moderate adverse, significant
42	Rose Farm	36.5	36.2	-0.3	Negligible, not significant	34.6	36.2	1.6	Minor adverse, not significant
43	South of Theberton Hall Farm	33.6	34.6	1.0	Minor adverse, not significant	34.0	34.6	0.6	Negligible, not significant

Table B.3: Predicted road traffic noise levels for the Sizewell link road, 2028 Busiest day, dB

2028 Busiest Day		First ES Addendum values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	51.6	52.8	1.2	Minor adverse, not significant	55.3	56.5	1.2	Minor adverse, not significant
2	Buskie Farm	46.1	48.8	2.7	Minor adverse, not significant	48.4	51.0	2.6	Minor adverse, not significant
3	Fordley Hall	36.4	45.0	8.6	Major adverse, significant	39.4	49.1	9.7	Major adverse, significant
4	Norwood House	46.2	46.9	0.7	Negligible, not significant	50.5	50.2	-0.3	Negligible, not significant
5	Cross Roads	51.1	47.5	-3.6	Moderate beneficial, significant	57.3	51.5	-5.8	Major beneficial, significant
6	Garden House Farm	60.4	50.4	-10.0	Major beneficial, significant	64.4	54.1	-10.3	Major beneficial, significant
7	Mill Street	57.0	48.2	-8.8	Major beneficial, significant	60.8	51.3	-9.5	Major beneficial, significant
8	Yoxford Road	63.3	50.0	-13.3	Major beneficial, significant	66.1	53.4	-12.7	Major beneficial, significant

2028 Busiest Day		First ES Addendum values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
9	Hill Farm	54.8	50.7	-4.1	Moderate beneficial, significant	59.1	54.1	-5.0	Major beneficial, significant
10	Valley Farm	57.5	52.3	-5.2	Major beneficial, significant	61.1	55.3	-5.8	Major beneficial, significant
11	Annesons Cottage	53.9	52.8	-1.1	Minor beneficial, not significant	57.9	56.7	-1.2	Minor beneficial, not significant
12	Trust Farm	40.5	49.4	8.9	Major adverse, significant	43.0	52.0	9.0	Major adverse, significant
13	Dovehouse Farm	39.4	47.4	8.0	Major adverse, significant	42.3	50.4	8.1	Major adverse, significant
14	Theberton Hall	43.6	47.4	3.8	Moderate adverse, significant	46.5	50.3	3.8	Moderate adverse, significant
15	Church Farm	37.9	46.0	8.1	Major adverse, significant	41.0	48.9	7.9	Major adverse, significant
16	Doughty Wylie Crescent	46.8	52.5	5.7	Major adverse, significant	50.1	55.5	5.4	Major adverse, significant
17	Theberton Grange	45.4	52.2	6.8	Major adverse, significant	48.4	53.9	5.5	Major adverse, significant

2028 Busiest Day		First ES Addendum values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
18	Theberton House	47.4	51.1	3.7	Moderate adverse, significant	51.1	54.9	3.8	Moderate adverse, significant
19	Oakfield House	39.1	54.1	15.0	Major adverse, significant	42.1	57.8	15.7	Major adverse, significant
20	Hawthorn Cottages	40.1	51.1	11.0	Major adverse, significant	43.5	54.5	11.0	Major adverse, significant
21	Coronation Cottages	60.1	53.1	-7.0	Major beneficial, significant	63.5	56.9	-6.6	Major beneficial, significant
22	Annesons Corner	54.9	51.5	-3.4	Moderate beneficial, significant	58.7	54.8	-3.9	Moderate beneficial, significant
23	A12 Yoxford	67.9	67.7	-0.2	Negligible, not significant	70.9	70.7	-0.2	Negligible, not significant
24	A12 Yoxford Centre	69.8	69.6	-0.2	Negligible, not significant	73.2	73.0	-0.2	Negligible, not significant
25	B1122 East of Yoxford	55.1	56.7	1.6	Minor adverse, not significant	59.5	62.9	3.4	Moderate adverse, significant
26	B1122 Rail crossing	67.3	67.5	0.2	Negligible, not significant	70.2	70.8	0.6	Negligible, not significant

NOT PROTECTIVELY MARKED

2028 Busiest Day		First ES Addendum values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
27	B1122 Middleton Moor	64.9	49.7	-15.2	Major beneficial, significant	67.5	52.5	-15.0	Major beneficial, significant
28	B1122 Theberton	63.9	49.2	-14.7	Major beneficial, significant	67.3	52.6	-14.7	Major beneficial, significant
29	Kelsale Lodge Cottages	67.1	66.7	-0.4	Negligible, not significant	71.3	71.0	-0.3	Negligible, not significant
30	Rosetta	58.4	59.7	1.3	Minor adverse, not significant	62.5	63.6	1.1	Minor adverse, not significant
31	Laurel Farm	68.6	69.6	1.0	Minor adverse, not significant	72.3	73.2	0.9	Negligible, not significant
32	Red House Farm / Mile Hill Barn	59.5	60.6	1.1	Minor adverse, not significant	63.6	64.4	0.8	Negligible, not significant
33	Rookery Farm	42.2	47.5	5.3	Major adverse, significant	45.3	50.6	5.3	Major adverse, significant
34	Keepers Cottage	39.1	45.3	6.2	Major adverse, significant	42.0	47.9	5.9	Major adverse, significant
35	Town Farm	42.3	45.4	3.1	Moderate adverse, significant	44.6	48.0	3.4	Moderate adverse, significant
36	Hawthorn Farm	38.3	45.1	6.8	Major adverse, significant	41.1	48.1	7.0	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

NOT PROTECTIVELY MARKED

2028 Busiest Day		First ES Addendum values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
37	Moat House	38.3	46.5	8.2	Major adverse, significant	40.5	48.4	7.9	Major adverse, significant
38	South of Theberton Grange	43.5	48.4	4.9	Moderate adverse, significant	46.6	51.7	5.1	Major adverse, significant
39	Yewtree Farm	41.4	43.6	2.2	Minor adverse, not significant	44.6	46.4	1.8	Minor adverse, not significant
40	Tollgate	55.3	47.8	-7.5	Major beneficial, significant	58.9	50.9	-8.0	Major beneficial, significant
41	Moor Buildings	43.2	45.3	2.1	Minor adverse, not significant	47.1	48.5	1.4	Minor adverse, not significant
42	Rose Farm	38.1	42.5	4.4	Moderate adverse, significant	41.0	45.5	4.5	Moderate adverse, significant
43	South of Theberton Hall Farm	40.5	41.2	0.7	Negligible, not significant	43.8	44.0	0.2	Negligible, not significant

NOT PROTECTIVELY MARKED

Table B.4: Predicted road traffic noise levels for the Sizewell link road, 2028 Busiest night, dB

2028 Busiest Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Fir Tree Farm	44.0	45.9	1.9	Minor adverse, not significant	44.5	46.4	1.9	Minor adverse, not significant
2	Buskie Farm	36.5	40.4	3.9	Moderate adverse, significant	36.7	40.9	4.2	Moderate adverse, significant
3	Fordley Hall	29.3	44.5	15.2	Major adverse, significant	29.7	43.3	13.6	Major adverse, significant
4	Norwood House	40.7	40.7	0.0	Negligible, not significant	40.8	41.3	0.5	Negligible, not significant
5	Cross Roads	52.4	45.8	-6.6	Major beneficial, significant	50.9	45.4	-5.5	Major beneficial, significant
6	Garden House Farm	55.2	47.9	-7.3	Major beneficial, significant	54.4	47.2	-7.2	Major beneficial, significant
7	Mill Street	54.8	47.2	-7.6	Major beneficial, significant	53.2	46.3	-6.9	Major beneficial, significant
8	Yoxford Road	55.5	48.4	-7.1	Major beneficial, significant	55.2	47.3	-7.9	Major beneficial, significant
9	Hill Farm	53.6	47.6	-6.0	Major beneficial, significant	52.2	47.1	-5.1	Major beneficial, significant

2028 Busiest Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
10	Valley Farm	54.3	48.7	-5.6	Major beneficial, significant	53.1	48.1	-5.0	Major beneficial, significant
11	Annesons Cottage	53.1	48.9	-4.2	Moderate beneficial, significant	51.3	48.9	-2.4	Minor beneficial, not significant
12	Trust Farm	36.6	42.5	5.9	Major adverse, significant	35.4	42.9	7.5	Major adverse, significant
13	Dovehouse Farm	32.0	40.2	8.2	Major adverse, significant	32.0	40.5	8.5	Major adverse, significant
14	Theberton Hall	36.7	43.1	6.4	Major adverse, significant	37.3	42.9	5.6	Major adverse, significant
15	Church Farm	31.2	39.0	7.8	Major adverse, significant	31.5	39.5	8.0	Major adverse, significant
16	Doughty Wylie Crescent	43.1	44.9	1.8	Minor adverse, not significant	41.8	45.1	3.3	Moderate adverse, significant
17	Theberton Grange	38.1	44.6	6.5	Major adverse, significant	38.4	45.2	6.8	Major adverse, significant
18	Theberton House	40.9	45.5	4.6	Moderate adverse, significant	41.3	46.1	4.8	Moderate adverse, significant

2028 Busiest Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
19	Oakfield House	31.8	47.7	15.9	Major adverse, significant	31.9	48.1	16.2	Major adverse, significant
20	Hawthorn Cottages	33.6	44.7	11.1	Major adverse, significant	34.0	45.1	11.1	Major adverse, significant
21	Coronation Cottages	55.0	49.6	-5.4	Major beneficial, significant	54.3	49.3	-5.0	Major beneficial, significant
22	Annesons Corner	53.4	47.9	-5.5	Major beneficial, significant	51.6	47.3	-4.3	Moderate beneficial, significant
23	A12 Yoxford	59.4	59.5	0.1	Negligible, not significant	58.8	58.8	0.0	Negligible, not significant
24	A12 Yoxford Centre	61.8	62.1	0.3	Negligible, not significant	61.0	61.2	0.2	Negligible, not significant
25	B1122 East of Yoxford	51.1	53.7	2.6	Minor adverse, not significant	51.9	55.6	3.7	Moderate adverse, significant
26	B1122 Rail crossing	56.1	58.6	2.5	Minor adverse, not significant	57.3	59.1	1.8	Minor adverse, not significant
27	B1122 Middleton Moor	55.7	47.5	-8.2	Major beneficial, significant	55.5	46.4	-9.1	Major beneficial, significant
28	B1122 Theberton	56.9	48.7	-8.2	Major beneficial, significant	56.0	47.4	-8.6	Major beneficial, significant

NOT PROTECTIVELY MARKED

2028 Busiest Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
29	Kelsale Lodge Cottages	60.5	60.4	-0.1	Negligible, not significant	60.1	60.1	0.0	Negligible, not significant
30	Rosetta	50.9	53.2	2.3	Minor adverse, not significant	51.4	53.5	2.1	Minor adverse, not significant
31	Laurel Farm	61.0	62.2	1.2	Minor adverse, not significant	60.9	62.2	1.3	Minor adverse, not significant
32	Red House Farm / Mile Hill Barn	51.8	53.7	1.9	Minor adverse, not significant	52.3	54.0	1.7	Minor adverse, not significant
33	Rookery Farm	34.3	40.2	5.9	Major adverse, significant	34.7	40.5	5.8	Major adverse, significant
34	Keepers Cottage	32.9	38.0	5.1	Major adverse, significant	31.8	38.4	6.6	Major adverse, significant
35	Town Farm	33.4	37.8	4.4	Moderate adverse, significant	33.9	38.3	4.4	Moderate adverse, significant
36	Hawthorn Farm	31.0	38.3	7.3	Major adverse, significant	31.0	38.4	7.4	Major adverse, significant
37	Moat House	30.4	38.8	8.4	Major adverse, significant	30.5	39.4	8.9	Major adverse, significant
38	South of Theberton Grange	34.8	40.6	5.8	Major adverse, significant	35.2	41.2	6.0	Major adverse, significant

NOT PROTECTIVELY MARKED

2028 Busiest Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
39	Yewtree Farm	34.4	36.8	2.4	Minor adverse, not significant	34.5	37.0	2.5	Minor adverse, not significant
40	Tollgate	53.5	48.0	-5.5	Major beneficial, significant	51.9	46.9	-5.0	Major beneficial, significant
41	Moor Buildings	36.4	39.2	2.8	Minor adverse, not significant	36.6	39.4	2.8	Minor adverse, not significant
42	Rose Farm	36.5	36.2	-0.3	Negligible, not significant	34.6	36.2	1.6	Minor adverse, not significant
43	South of Theberton Hall Farm	33.6	34.6	1.0	Minor adverse, not significant	34.0	34.6	0.6	Negligible, not significant

Table B.5: Predicted road traffic noise levels for the Sizewell link road, 2034 day, dB

2034 Typical Day		First ES Addendum values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , 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	55.5	55.8	0.3	Negligible, not significant
2	Buskie Farm	46.3	46.8	0.5	Negligible, not significant	48.6	49.3	0.7	Negligible, not significant
3	Fordley Hall	36.5	41.5	5.0	Moderate adverse, significant	39.5	45.9	6.4	Moderate adverse, significant
4	Norwood House	46.4	44.7	-1.7	Negligible, not significant	50.7	48.2	-2.5	Negligible, not significant
5	Cross Roads	51.3	45.0	-6.3	Moderate beneficial, significant	57.5	49.2	-8.3	Moderate beneficial, significant
6	Garden House Farm	60.6	48.2	-12.4	Major beneficial, significant	64.6	52.0	-12.6	Major beneficial, significant
7	Mill Street	57.2	46.0	-11.2	Major beneficial, significant	60.9	49.4	-11.5	Major beneficial, significant
8	Yoxford Road	63.4	47.4	-16.0	Major beneficial, significant	66.2	50.6	-15.6	Major beneficial, significant

2034 Typical Day		First ES Addendum values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
9	Hill Farm	55.0	47.6	-7.4	Moderate beneficial, significant	59.2	50.9	-8.3	Moderate beneficial, significant
10	Valley Farm	57.6	49.1	-8.5	Moderate beneficial, significant	61.2	52.1	-9.1	Moderate beneficial, significant
11	Annesons Cottage	54.0	49.5	-4.5	Minor beneficial, not significant	58.0	53.4	-4.6	Minor beneficial, not significant
12	Trust Farm	40.6	46.1	5.5	Moderate adverse, significant	43.1	48.9	5.8	Moderate adverse, significant
13	Dovehouse Farm	39.5	44.5	5.0	Moderate adverse, significant	42.4	47.4	5.0	Moderate adverse, significant
14	Theberton Hall	43.7	44.6	0.9	Negligible, not significant	46.7	47.4	0.7	Negligible, not significant
15	Church Farm	38.0	43.1	5.1	Moderate adverse, significant	41.1	46.0	4.9	Minor adverse, not significant
16	Doughty Wylie Crescent	46.9	49.6	2.7	Negligible, not significant	50.2	52.6	2.4	Negligible, not significant
17	Theberton Grange	45.5	49.2	3.7	Minor adverse, not significant	48.5	51.0	2.5	Negligible, not significant

2034 Typical Day		First ES Addendum values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
18	Theberton House	47.6	48.2	0.6	Negligible, not significant	51.2	52.0	0.8	Negligible, not significant
19	Oakfield House	39.3	50.5	11.2	Major adverse, significant	42.2	54.2	12.0	Major adverse, significant
20	Hawthorn Cottages	40.2	47.7	7.5	Moderate adverse, significant	43.7	51.2	7.5	Moderate adverse, significant
21	Coronation Cottages	60.3	50.1	-10.2	Major beneficial, significant	63.6	53.8	-9.8	Moderate beneficial, significant
22	Annesons Corner	55.0	48.5	-6.5	Moderate beneficial, significant	58.8	51.9	-6.9	Moderate beneficial, significant
23	A12 Yoxford	68.1	67.9	-0.2	Negligible, not significant	71.1	70.9	-0.2	Negligible, not significant
24	A12 Yoxford Centre	69.9	69.8	-0.1	Negligible, not significant	73.4	73.2	-0.2	Negligible, not significant
25	B1122 East of Yoxford	55.3	54.5	-0.8	Negligible, not significant	59.6	58.9	-0.7	Negligible, not significant
26	B1122 Rail crossing	67.5	66.7	-0.8	Negligible, not significant	70.5	69.7	-0.8	Negligible, not significant

NOT PROTECTIVELY MARKED

2034 Typical Day		First ES Addendum values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
27	B1122 Middleton Moor	65.1	49.0	-16.1	Major beneficial, significant	67.7	51.7	-16	Major beneficial, significant
28	B1122 Theberton	64.1	47.6	-16.5	Major beneficial, significant	67.4	50.9	-16.5	Major beneficial, significant
29	Kelsale Lodge Cottages	67.2	67.1	-0.1	Negligible, not significant	71.5	71.3	-0.2	Negligible, not significant
30	Rosetta	58.5	58.7	0.2	Negligible, not significant	62.7	62.9	0.2	Negligible, not significant
31	Laurel Farm	68.7	68.9	0.2	Negligible, not significant	72.5	72.6	0.1	Negligible, not significant
32	Red House Farm / Mile Hill Barn	59.6	59.8	0.2	Negligible, not significant	63.7	63.9	0.2	Negligible, not significant
33	Rookery Farm	42.3	44.5	2.2	Negligible, not significant	45.4	47.6	2.2	Negligible, not significant
34	Keepers Cottage	39.3	41.9	2.6	Negligible, not significant	42.1	44.7	2.6	Negligible, not significant
35	Town Farm	42.4	43.3	0.9	Negligible, not significant	44.8	45.9	1.1	Negligible, not significant
36	Hawthorn Farm	38.5	42.0	3.5	Minor adverse, not significant	41.3	45.0	3.7	Minor adverse, not significant

NOT PROTECTIVELY MARKED

2034 Typical Day		First ES Addendum values				Corrected Values			
Receptor		Day, free-field L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
37	Moat House	38.4	43.6	5.2	Moderate adverse, significant	40.6	45.5	4.9	Minor adverse, not significant
38	South of Theberton Grange	43.6	45.5	1.9	Negligible, not significant	46.7	48.8	2.1	Negligible, not significant
39	Yewtree Farm	41.5	41.4	-0.1	Negligible, not significant	44.7	44.1	-0.6	Negligible, not significant
40	Tollgate	55.5	46.7	-8.8	Moderate beneficial, significant	59.1	49.9	-9.2	Moderate beneficial, significant
41	Moor Buildings	44.0	43.5	-0.5	Negligible, not significant	47.2	46.7	-0.5	Negligible, not significant
42	Rose Farm	38.3	39.6	1.3	Negligible, not significant	41.2	42.5	1.3	Negligible, not significant
43	South of Theberton Hall Farm	40.6	38.5	-2.1	Negligible, not significant	43.9	41.3	-2.6	Negligible, not significant

Table B.6: Predicted road traffic noise levels for the Sizewell link road, 2034 night, dB

2034 Typical Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Fir Tree Farm	44.2	44.5	0.3	Negligible, not significant	44.7	45	0.3	Negligible, not significant
2	Buskie Farm	36.7	37.5	0.8	Negligible, not significant	36.8	37.8	1.0	Negligible, not significant
3	Fordley Hall	29.4	42	12.6	Major adverse, significant	29.8	39.8	10.0	Major adverse, significant
4	Norwood House	40.8	37.8	-3.0	Minor beneficial, not significant	40.9	38.2	-2.7	Negligible, not significant
5	Cross Roads	52.5	45.0	-7.5	Moderate beneficial, significant	51.0	44.0	-7.0	Moderate beneficial, significant
6	Garden House Farm	55.3	47.1	-8.2	Moderate beneficial, significant	54.5	45.9	-8.6	Moderate beneficial, significant
7	Mill Street	54.9	45.9	-9.0	Moderate beneficial, significant	53.3	44.5	-8.8	Moderate beneficial, significant
8	Yoxford Road	55.6	44.0	-11.6	Major beneficial, significant	55.3	41.5	-13.8	Major beneficial, significant

NOT PROTECTIVELY MARKED

2034 Typical Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
9	Hill Farm	53.6	43.2	-10.4	Major beneficial, significant	52.4	41.4	-11.0	Major beneficial, significant
10	Valley Farm	54.3	44.2	-10.1	Major beneficial, significant	53.2	42.5	-10.7	Major beneficial, significant
11	Annesons Cottage	53.1	44.4	-8.7	Moderate beneficial, significant	51.4	43.7	-7.7	Moderate beneficial, significant
12	Trust Farm	36.7	38.6	1.9	Negligible, not significant	35.5	38.9	3.4	Minor adverse, not significant
13	Dovehouse Farm	32.1	36.3	4.2	Minor adverse, not significant	32.1	36.4	4.3	Minor adverse, not significant
14	Theberton Hall	36.8	40.0	3.2	Minor adverse, not significant	37.4	39.0	1.6	Negligible, not significant
15	Church Farm	31.3	35.1	3.8	Minor adverse, not significant	31.7	35.5	3.8	Minor adverse, not significant
16	Doughty Wylie Crescent	44.8	42.8	-2.0	Negligible, not significant	41.9	41.3	-0.6	Negligible, not significant
17	Theberton Grange	38.2	40.7	2.5	Negligible, not significant	38.5	41.1	2.6	Negligible, not significant

NOT PROTECTIVELY MARKED

2034 Typical Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
18	Theberton House	41.0	41.6	0.6	Negligible, not significant	41.4	42.0	0.6	Negligible, not significant
19	Oakfield House	31.8	43.2	11.4	Major adverse, significant	32.0	43.5	11.5	Major adverse, significant
20	Hawthorn Cottages	33.7	40.4	6.7	Moderate adverse, significant	34.1	40.6	6.5	Moderate adverse, significant
21	Coronation Cottages	55.0	45.1	-9.9	Moderate beneficial, significant	54.4	43.8	-10.6	Major beneficial, significant
22	Annesons Corner	53.4	43.5	-9.9	Moderate beneficial, significant	51.8	41.8	-10.0	Major beneficial, significant
23	A12 Yoxford	59.6	59.5	-0.1	Negligible, not significant	59.0	58.9	-0.1	Negligible, not significant
24	A12 Yoxford Centre	62.0	61.8	-0.2	Negligible, not significant	61.1	61.0	-0.1	Negligible, not significant
25	B1122 East of Yoxford	51.2	51.0	-0.2	Negligible, not significant	52.0	51.7	-0.3	Negligible, not significant
26	B1122 Rail crossing	56.3	56.0	-0.3	Negligible, not significant	57.4	57.4	0.0	Negligible, not significant

2034 Typical Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
27	B1122 Middleton Moor	55.8	47.3	-8.5	Moderate beneficial, significant	55.6	45.8	-9.8	Moderate beneficial, significant
28	B1122 Theberton	57.0	46.9	-10.1	Major beneficial, significant	56.1	45.9	-10.2	Major beneficial, significant
29	Kelsale Lodge Cottages	60.6	60.5	-0.1	Negligible, not significant	60.2	60.1	-0.1	Negligible, not significant
30	Rosetta	51.0	51.2	0.2	Negligible, not significant	51.5	51.7	0.2	Negligible, not significant
31	Laurel Farm	61.1	61.2	0.1	Negligible, not significant	61.0	61.1	0.1	Negligible, not significant
32	Red House Farm / Mile Hill Barn	52.0	52.1	0.1	Negligible, not significant	52.5	52.6	0.1	Negligible, not significant
33	Rookery Farm	34.5	36.3	1.8	Negligible, not significant	34.8	36.5	1.7	Negligible, not significant
34	Keepers Cottage	33.0	34.5	1.5	Negligible, not significant	31.9	33.9	2.0	Negligible, not significant
35	Town Farm	33.5	34.7	1.2	Negligible, not significant	34.0	35.1	1.1	Negligible, not significant
36	Hawthorn Farm	31.0	34.1	3.1	Minor adverse, not significant	31.1	34.2	3.1	Minor adverse, not significant

2034 Typical Night		First ES Addendum values				Corrected Values			
Receptor		Night, free-field L_{night} , dB		Difference, dB	Effect	Night, free-field L_{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
37	Moat House	30.5	34.9	4.4	Minor adverse, not significant	30.6	35.4	4.8	Minor adverse, not significant
38	South of Theberton Grange	34.9	36.7	1.8	Negligible, not significant	35.3	37.2	1.9	Negligible, not significant
39	Yewtree Farm	34.5	33.4	-1.1	Negligible, not significant	34.7	33.6	-1.1	Negligible, not significant
40	Tollgate	53.6	47.6	-6.0	Moderate beneficial, significant	52.0	45.8	-6.2	Moderate beneficial, significant
41	Moor Buildings	36.5	36.3	-0.2	Negligible, not significant	36.7	36.5	-0.2	Negligible, not significant
42	Rose Farm	36.5	33.1	-3.4	Minor beneficial, not significant	34.7	32.7	-2	Negligible, not significant
43	South of Theberton Hall Farm	33.7	30.8	-2.9	Negligible, not significant	34.1	30.8	-3.3	Minor beneficial, not significant

APPENDIX C: YOXFORD ROUNDABOUT – CORRECTIONS TO ROAD TRAFFIC NOISE LEVEL PREDICTIONS

1 INTRODUCTION

- 1.1.1 This document contains updated road traffic noise predictions, correcting an error in the presentation of the night-time noise levels. This error does not affect the assessment categories nor the daytime noise levels, only the absolute noise levels during the night-time.
- 1.1.2 Although the daytime values are not affected by this correction, they are included here so that the complete set of assessment outcomes are contained in a single document.
- 1.1.3 Prior to this update, the current road traffic noise predictions for Yoxford roundabout and other highway improvements were contained in the following documents:
- **Volume 3, Appendix 7.3.C** of the **First ES Addendum** [[AS-251](#)] for all 2028 scenarios, which were contained in:
 - Table 7.3.C.1 for 2028 Typical Day;
 - Table 7.3.C.2 for 2028 Typical Night;
 - Table 7.3.C.3 for 2028 Busiest Day; and
 - Table 7.3.C.4 for 2028 Busiest Night.
 - **Volume 3, Appendix 7.3.B** of the **First ES Addendum** [[AS-251](#)] for the two 2034 scenarios:
 - Table 7.3.B.5 for 2034 Day; and
 - Table 7.3.B.6 for 2034 Night.

Table C.1: Predicted road traffic noise levels for Yoxford roundabout, 2028 Typical day, dB

2028 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, façade LA10, 18h, dB		Difference, dB	Effect	Day, façade LA10, 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
2	Satis House (Hotel)	66.7	66.8	0.1	Negligible, not significant	66.7	66.8	0.1	Negligible, not significant
3	Satis Coach House	59.8	59.2	-0.6	Negligible, not significant	59.8	59.2	-0.6	Negligible, not significant
4	White House	76.5	76.6	0.1	Negligible, not significant	76.5	76.6	0.1	Negligible, not significant
5	Sans Souci	72.2	72.0	-0.2	Negligible, not significant	72.2	72.0	-0.2	Negligible, not significant
6	Pinn's Piece	64.6	64.6	0.0	Negligible, not significant	64.6	64.6	0.0	Negligible, not significant
7	Rookery Lodge	66.3	66.2	-0.1	Negligible, not significant	66.3	66.2	-0.1	Negligible, not significant
8	The Cottage	59.6	60.6	1.0	Minor adverse, not significant	59.6	60.6	1.0	Minor adverse, not significant
9	Sunnypatch	63.3	64.9	1.6	Minor adverse, not significant	63.3	64.9	1.6	Minor adverse, not significant
10	The Limes	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant

2028 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, façade L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
11	Tinkers	73.7	73.6	-0.1	Negligible, not significant	73.7	73.6	-0.1	Negligible, not significant
12	Holly House	72.8	72.8	0.0	Negligible, not significant	72.8	72.8	0.0	Negligible, not significant
13	Medway & White House Cottages	73.1	73.1	0.0	Negligible, not significant	73.1	73.1	0.0	Negligible, not significant
14	The Old Barn	71.2	72.6	1.4	Minor adverse, not significant	71.2	72.6	1.4	Minor adverse, not significant
15	Rookery Cottages	62.5	63.9	1.4	Minor adverse, not significant	62.5	63.9	1.4	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	73.4	73.2	-0.2	Negligible, not significant	73.4	73.2	-0.2	Negligible, not significant
17	Kings Head PH	73.6	73.4	-0.2	Negligible, not significant	73.6	73.4	-0.2	Negligible, not significant
18	Frith House	54.7	55.8	1.1	Minor adverse, not significant	54.7	55.8	1.1	Minor adverse, not significant
19	Pinns Cottage	49.8	49.9	0.1	Negligible, not significant	49.8	49.9	0.1	Negligible, not significant
20	Garden Cottage and Clock House	48.2	49.7	1.5	Minor adverse, not significant	48.2	49.7	1.5	Minor adverse, not significant
21	Cavan Cottage	68.1	68.1	0.0	Negligible, not significant	68.1	68.1	0.0	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 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, façade L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
22	Manger Cottage	56.2	56.1	-0.1	Negligible, not significant	56.2	56.1	-0.1	Negligible, not significant
23	Meadowbarn	56.5	56.9	0.4	Negligible, not significant	56.5	56.9	0.4	Negligible, not significant
24	Hopton Yard E of Old Barn	60.1	61.6	1.5	Minor adverse, not significant	60.1	61.6	1.5	Minor adverse, not significant
25	Honeycroft	61.2	62.6	1.4	Minor adverse, not significant	61.2	62.6	1.4	Minor adverse, not significant

Table C.2: Predicted road traffic noise levels for Yoxford roundabout, 2028 Typical night, dB

2028 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, façade L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	63.3	63.4	0.1	Negligible, not significant	60.8	60.9	0.1	Negligible, not significant
2	Satis House (Hotel)	61.0	60.9	-0.1	Negligible, not significant	58.5	58.4	-0.1	Negligible, not significant
3	Satis Coach House	56.4	56.3	-0.1	Negligible, not significant	53.9	53.8	-0.1	Negligible, not significant
4	White House	64.6	64.9	0.3	Negligible, not significant	62.1	62.4	0.3	Negligible, not significant
5	Sans Souci	63.0	63.1	0.1	Negligible, not significant	60.5	60.6	0.1	Negligible, not significant
6	Pinn's Piece	59.8	59.9	0.1	Negligible, not significant	57.3	57.4	0.1	Negligible, not significant
7	Rookery Lodge	61.0	60.9	-0.1	Negligible, not significant	58.5	58.4	-0.1	Negligible, not significant
8	The Cottage	55.7	57.6	1.9	Minor adverse, not significant	53.2	55.1	1.9	Minor adverse, not significant
9	Sunnypatch	55.6	58.5	2.9	Minor adverse, not significant	53.1	56.0	2.9	Minor adverse, not significant

2028 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, façade L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
10	The Limes	63.7	63.8	0.1	Negligible, not significant	61.2	61.3	0.1	Negligible, not significant
11	Tinkers	63.9	64.1	0.2	Negligible, not significant	61.4	61.6	0.2	Negligible, not significant
12	Holly House	63.5	63.7	0.2	Negligible, not significant	61.0	61.2	0.2	Negligible, not significant
13	Medway & White House Cottages	63.6	63.8	0.2	Negligible, not significant	61.1	61.3	0.2	Negligible, not significant
14	The Old Barn	58.3	61.4	3.1	Moderate adverse, significant	55.8	58.9	3.1	Moderate adverse, significant
15	Rookery Cottages	56.8	59.5	2.7	Minor adverse, not significant	54.3	57.0	2.7	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	64.0	64.2	0.2	Negligible, not significant	61.5	61.7	0.2	Negligible, not significant
17	Kings Head PH	63.8	63.9	0.1	Negligible, not significant	61.3	61.4	0.1	Negligible, not significant
18	Frith House	54.5	55.1	0.6	Negligible, not significant	52.0	52.6	0.6	Negligible, not significant
19	Pinns Cottage	51.2	52.4	1.2	Minor adverse, not significant	48.7	49.9	1.2	Minor adverse, not significant

2028 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, façade L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
20	Garden Cottage and Clock House	42.1	44.3	2.2	Minor adverse, not significant	39.6	41.8	2.2	Minor adverse, not significant
21	Cavan Cottage	61.8	62.0	0.2	Negligible, not significant	59.3	59.5	0.2	Negligible, not significant
22	Manger Cottage	54.1	54.2	0.1	Negligible, not significant	51.6	51.7	0.1	Negligible, not significant
23	Meadowbarn	53.4	54.2	0.8	Negligible, not significant	50.9	51.7	0.8	Negligible, not significant
24	Hopton Yard E of Old Barn	55.9	58.3	2.4	Minor adverse, not significant	53.4	55.8	2.4	Minor adverse, not significant
25	Honeycroft	54.3	56.9	2.6	Minor adverse, not significant	51.8	54.4	2.6	Minor adverse, not significant

Table C.3: Predicted road traffic noise levels for Yoxford roundabout, 2028 Busiest day, dB

2028 Busiest Day		First ES Addendum Values				Corrected Values			
Receptor		Day, façade LA10, 18h, dB		Difference, dB	Effect	Day, façade LA10, 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
2	Satis House (Hotel)	66.7	66.7	0.0	Negligible, not significant	66.7	66.7	0.0	Negligible, not significant
3	Satis Coach House	59.8	59.0	-0.8	Negligible, not significant	59.8	59.0	-0.8	Negligible, not significant
4	White House	76.5	76.6	0.1	Negligible, not significant	76.5	76.6	0.1	Negligible, not significant
5	Sans Souci	72.2	72.1	-0.1	Negligible, not significant	72.2	72.1	-0.1	Negligible, not significant
6	Pinn's Piece	64.6	64.5	-0.1	Negligible, not significant	64.6	64.5	-0.1	Negligible, not significant
7	Rookery Lodge	66.3	66.1	-0.2	Negligible, not significant	66.3	66.1	-0.2	Negligible, not significant
8	The Cottage	59.6	60.8	1.2	Minor adverse, not significant	59.6	60.8	1.2	Minor adverse, not significant
9	Sunnypatch	63.3	65.2	1.9	Minor adverse, not significant	63.3	65.2	1.9	Minor adverse, not significant
10	The Limes	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant

2028 Busiest Day		First ES Addendum Values				Corrected Values			
Receptor		Day, façade LA10, 18h, dB		Difference, dB	Effect	Day, façade LA10, 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
11	Tinkers	73.7	73.6	-0.1	Negligible, not significant	73.7	73.6	-0.1	Negligible, not significant
12	Holly House	72.8	72.8	0.0	Negligible, not significant	72.8	72.8	0.0	Negligible, not significant
13	Medway & White House Cottages	73.1	73.1	0.0	Negligible, not significant	73.1	73.1	0.0	Negligible, not significant
14	The Old Barn	71.2	72.6	1.4	Minor adverse, not significant	71.2	72.6	1.4	Minor adverse, not significant
15	Rookery Cottages	62.5	64.2	1.7	Minor adverse, not significant	62.5	64.2	1.7	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	73.4	73.2	-0.2	Negligible, not significant	73.4	73.2	-0.2	Negligible, not significant
17	Kings Head PH	73.6	73.4	-0.2	Negligible, not significant	73.6	73.4	-0.2	Negligible, not significant
18	Frith House	54.7	55.8	1.1	Minor adverse, not significant	54.7	55.8	1.1	Minor adverse, not significant
19	Pinns Cottage	49.8	49.8	0.0	Negligible, not significant	49.8	49.8	0.0	Negligible, not significant
20	Garden Cottage and Clock House	48.2	49.8	1.6	Minor adverse, not significant	48.2	49.8	1.6	Minor adverse, not significant
21	Cavan Cottage	68.1	68.1	0.0	Negligible, not significant	68.1	68.1	0.0	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		First ES Addendum Values				Corrected Values			
Receptor		Day, façade LA10, 18h, dB		Difference, dB	Effect	Day, façade LA10, 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
22	Manger Cottage	56.2	56.1	-0.1	Negligible, not significant	56.2	56.1	-0.1	Negligible, not significant
23	Meadowbarn	56.5	57.0	0.5	Negligible, not significant	56.5	57.0	0.5	Negligible, not significant
24	Hopton Yard E of Old Barn	60.1	61.6	1.5	Minor adverse, not significant	60.1	61.6	1.5	Minor adverse, not significant
25	Honeycroft	61.2	62.8	1.6	Minor adverse, not significant	61.2	62.8	1.6	Minor adverse, not significant

Table C.4: Predicted road traffic noise levels for Yoxford roundabout, 2028 Busiest night, dB

2028 Busiest Night		First ES Addendum Values				Corrected Values			
Receptor		Night, façade L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	63.3	63.4	0.1	Negligible, not significant	60.8	60.9	0.1	Negligible, not significant
2	Satis House (Hotel)	61.0	61.0	0.0	Negligible, not significant	58.5	58.5	0.0	Negligible, not significant
3	Satis Coach House	56.4	56.0	-0.4	Negligible, not significant	53.9	53.5	-0.4	Negligible, not significant
4	White House	64.6	64.9	0.3	Negligible, not significant	62.1	62.4	0.3	Negligible, not significant
5	Sans Souci	63.0	63.1	0.1	Negligible, not significant	60.5	60.6	0.1	Negligible, not significant
6	Pinn's Piece	59.8	59.9	0.1	Negligible, not significant	57.3	57.4	0.1	Negligible, not significant
7	Rookery Lodge	61.0	60.9	-0.1	Negligible, not significant	58.5	58.4	-0.1	Negligible, not significant
8	The Cottage	55.7	57.6	1.9	Minor adverse, not significant	53.2	55.1	1.9	Minor adverse, not significant
9	Sunnypatch	55.6	58.4	2.8	Minor adverse, not significant	53.1	55.9	2.8	Minor adverse, not significant

2028 Busiest Night		First ES Addendum Values				Corrected Values			
Receptor		Night, façade L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
10	The Limes	63.7	63.8	0.1	Negligible, not significant	61.2	61.3	0.1	Negligible, not significant
11	Tinkers	63.9	64.1	0.2	Negligible, not significant	61.4	61.6	0.2	Negligible, not significant
12	Holly House	63.5	63.7	0.2	Negligible, not significant	61.0	61.2	0.2	Negligible, not significant
13	Medway & White House Cottages	63.6	63.7	0.1	Negligible, not significant	61.1	61.2	0.1	Negligible, not significant
14	The Old Barn	58.3	61.4	3.1	Moderate adverse, significant	55.8	58.9	3.1	Moderate adverse, significant
15	Rookery Cottages	56.8	59.5	2.7	Minor adverse, not significant	54.3	57.0	2.7	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	64.0	64.1	0.1	Negligible, not significant	61.5	61.6	0.1	Negligible, not significant
17	Kings Head PH	63.8	63.8	0.0	Negligible, not significant	61.3	61.3	0.0	Negligible, not significant
18	Frith House	54.5	54.8	0.3	Negligible, not significant	52.0	52.3	0.3	Negligible, not significant
19	Pinns Cottage	51.2	51.9	0.7	Negligible, not significant	48.7	49.4	0.7	Negligible, not significant

2028 Busiest Night		First ES Addendum Values				Corrected Values			
Receptor		Night, façade L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
20	Garden Cottage and Clock House	42.1	43.9	1.8	Minor adverse, not significant	39.6	41.4	1.8	Minor adverse, not significant
21	Cavan Cottage	61.8	61.9	0.1	Negligible, not significant	59.3	59.4	0.1	Negligible, not significant
22	Manger Cottage	54.1	53.8	-0.3	Negligible, not significant	51.6	51.3	-0.3	Negligible, not significant
23	Meadowbarn	53.4	53.7	0.3	Negligible, not significant	50.9	51.2	0.3	Negligible, not significant
24	Hopton Yard E of Old Barn	55.9	58.3	2.4	Minor adverse, not significant	53.4	55.8	2.4	Minor adverse, not significant
25	Honeycroft	54.3	56.9	2.6	Minor adverse, not significant	51.8	54.4	2.6	Minor adverse, not significant

Table C.5: Predicted road traffic noise levels for Yoxford roundabout, 2034 day, dB

2034 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, façade LA10, 18h, dB		Difference, dB	Effect	Day, façade LA10, 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Woodlands Cottage	72.7	72.7	0.0	Negligible, not significant	72.7	72.7	0.0	Negligible, not significant
2	Satis House (Hotel)	66.9	66.8	-0.1	Negligible, not significant	66.9	66.8	-0.1	Negligible, not significant
3	Satis Coach House	60.0	59.0	-1.0	Negligible, not significant	60.0	59.0	-1.0	Negligible, not significant
4	White House	76.7	76.6	-0.1	Negligible, not significant	76.7	76.6	-0.1	Negligible, not significant
5	Sans Souci	72.3	72.1	-0.2	Negligible, not significant	72.3	72.1	-0.2	Negligible, not significant
6	Pinn's Piece	64.8	64.7	-0.1	Negligible, not significant	64.8	64.7	-0.1	Negligible, not significant
7	Rookery Lodge	66.4	66.3	-0.1	Negligible, not significant	66.4	66.3	-0.1	Negligible, not significant
8	The Cottage	59.8	58.8	-1.0	Negligible, not significant	59.8	58.8	-1.0	Negligible, not significant
9	Sunnypatch	63.5	63.0	-0.5	Negligible, not significant	63.5	63.0	-0.5	Negligible, not significant
10	The Limes	72.8	72.7	-0.1	Negligible, not significant	72.8	72.7	-0.1	Negligible, not significant

2034 Typical Day		First ES Addendum Values				Corrected Values			
Receptor		Day, façade LA10, 18h, dB		Difference, dB	Effect	Day, façade LA10, 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
11	Tinkers	73.8	73.6	-0.2	Negligible, not significant	73.8	73.6	-0.2	Negligible, not significant
12	Holly House	73.0	72.9	-0.1	Negligible, not significant	73.0	72.9	-0.1	Negligible, not significant
13	Medway & White House Cottages	73.3	73.2	-0.1	Negligible, not significant	73.3	73.2	-0.1	Negligible, not significant
14	The Old Barn	71.4	70.3	-1.1	Negligible, not significant	71.4	70.3	-1.1	Negligible, not significant
15	Rookery Cottages	62.7	62.0	-0.7	Negligible, not significant	62.7	62.0	-0.7	Negligible, not significant
16	Wormley Bury, Rosewood, Southern	73.6	73.3	-0.3	Negligible, not significant	73.6	73.3	-0.3	Negligible, not significant
17	Kings Head PH	73.8	73.5	-0.3	Negligible, not significant	73.8	73.5	-0.3	Negligible, not significant
18	Frith House	54.8	55.8	1.0	Negligible, not significant	54.8	55.8	1.0	Negligible, not significant
19	Pinns Cottage	50.0	49.8	-0.2	Negligible, not significant	50.0	49.8	-0.2	Negligible, not significant
20	Garden Cottage and Clock House	48.4	48.8	0.4	Negligible, not significant	48.4	48.8	0.4	Negligible, not significant
21	Cavan Cottage	68.3	68.1	-0.2	Negligible, not significant	68.3	68.1	-0.2	Negligible, not 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		First ES Addendum Values				Corrected Values			
Receptor		Day, façade L _{A10, 18h} , dB		Difference, dB	Effect	Day, façade L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
22	Manger Cottage	56.4	55.9	-0.5	Negligible, not significant	56.4	55.9	-0.5	Negligible, not significant
23	Meadowbarn	56.6	56.5	-0.1	Negligible, not significant	56.6	56.5	-0.1	Negligible, not significant
24	Hopton Yard E of Old Barn	60.3	59.4	-0.9	Negligible, not significant	60.3	59.4	-0.9	Negligible, not significant
25	Honeycroft	61.4	60.6	-0.8	Negligible, not significant	61.4	60.6	-0.8	Negligible, not significant

Table C.6: Predicted road traffic noise levels for Yoxford roundabout, 2034 night, dB

2034 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, façade L_{night} , dB		Difference, dB	Effect	Night, free-field L_{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Woodlands Cottage	63.4	63.2	-0.2	Negligible, not significant	60.9	60.7	-0.2	Negligible, not significant
2	Satis House (Hotel)	60.9	60.6	-0.3	Negligible, not significant	58.4	58.1	-0.3	Negligible, not significant
3	Satis Coach House	55.5	55.4	-0.1	Negligible, not significant	53.0	52.9	-0.1	Negligible, not significant
4	White House	64.7	64.6	-0.1	Negligible, not significant	62.2	62.1	-0.1	Negligible, not significant
5	Sans Souci	63.0	62.9	-0.1	Negligible, not significant	60.5	60.4	-0.1	Negligible, not significant
6	Pinn's Piece	59.3	59.7	0.4	Negligible, not significant	56.8	57.2	0.4	Negligible, not significant
7	Rookery Lodge	60.5	60.6	0.1	Negligible, not significant	58.0	58.1	0.1	Negligible, not significant
8	The Cottage	55.7	55.2	-0.5	Negligible, not significant	53.2	52.7	-0.5	Negligible, not significant
9	Sunnypatch	55.7	55.9	0.2	Negligible, not significant	53.2	53.4	0.2	Negligible, not significant

2034 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, façade L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
10	The Limes	63.8	63.6	-0.2	Negligible, not significant	61.3	61.1	-0.2	Negligible, not significant
11	Tinkers	64.1	64.0	-0.1	Negligible, not significant	61.6	61.5	-0.1	Negligible, not significant
12	Holly House	63.6	63.5	-0.1	Negligible, not significant	61.1	61.0	-0.1	Negligible, not significant
13	Medway & White House Cottages	63.7	63.6	-0.1	Negligible, not significant	61.2	61.1	-0.1	Negligible, not significant
14	The Old Barn	58.4	58.0	-0.4	Negligible, not significant	55.9	55.5	-0.4	Negligible, not significant
15	Rookery Cottages	56.9	56.9	0.0	Negligible, not significant	54.4	54.4	0.0	Negligible, not significant
16	Wormley Bury, Rosewood, Southern	64.1	64.0	-0.1	Negligible, not significant	61.6	61.5	-0.1	Negligible, not significant
17	Kings Head PH	63.9	63.8	-0.1	Negligible, not significant	61.4	61.3	-0.1	Negligible, not significant
18	Frith House	54.3	54.7	0.4	Negligible, not significant	51.8	52.2	0.4	Negligible, not significant
19	Pinns Cottage	50.9	52.0	1.1	Negligible, not significant	48.4	49.5	1.1	Negligible, not significant

2034 Typical Night		First ES Addendum Values				Corrected Values			
Receptor		Night, façade L _{night} , dB		Difference, dB	Effect	Night, free-field L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
20	Garden Cottage and Clock House	41.7	42.6	0.9	Negligible, not significant	39.2	40.1	0.9	Negligible, not significant
21	Cavan Cottage	61.9	61.8	-0.1	Negligible, not significant	59.4	59.3	-0.1	Negligible, not significant
22	Manger Cottage	53.3	53.3	0.0	Negligible, not significant	50.8	50.8	0.0	Negligible, not significant
23	Meadowbarn	52.0	53.4	1.4	Negligible, not significant	49.5	50.9	1.4	Negligible, not significant
24	Hopton Yard E of Old Barn	56.0	55.9	-0.1	Negligible, not significant	53.5	53.4	-0.1	Negligible, not significant
25	Honeycroft	54.4	54.2	-0.2	Negligible, not significant	51.9	51.7	-0.2	Negligible, not significant