



Parc Ynni Calon y Gwynt

ENVIRONMENTAL STATEMENT

Appendix 11O: Cumulative Noise Assessment Results





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Appendix 11O: Cumulative Noise Assessment Results

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CONTENTS

1	CUMULATIVE NOISE ASSESSMENT	1
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TABLES

Table 11O.1 – Table 11O.296

1 CUMULATIVE NOISE ASSESSMENT

1.1 RECEPTOR H1

Table 11O.1: Predicted Cumulative Wind Farm Noise Levels – H1 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.6	27.2	31.0	32.4	32.7	32.5	32.0	31.6	31.5
Calon y Gwynt	28.8	33.6	35.5	35.3	35.1	37.0	37.7	38.6	38.6
Cumulative with Calon y Gwynt	30.0	34.5	36.8	37.1	37.1	38.3	38.7	39.4	39.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-10.0	-5.5	-3.2	-2.9	-2.9	-2.1	-4.4	-6.4	-9.1

Table 11O.2: Predicted Cumulative Wind Farm Noise Levels – H1 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.6	27.2	30.9	32.3	32.6	32.5	32.0	31.6	31.4
Calon y Gwynt	28.1	32.9	35.5	35.4	35.3	36.8	37.2	37.9	37.9
Cumulative with Calon y Gwynt	29.4	33.9	36.8	37.1	37.2	38.2	38.3	38.8	38.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-10.6	-6.1	-3.2	-2.9	-2.8	-2.2	-4.8	-7.0	-9.8

Table 11O.3: Predicted Cumulative Wind Farm Noise Levels – H1 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.7	26.0	29.9	31.6	32.1	31.8	31.2	30.8	30.6
Calon y Gwynt	25.4	30.2	33.8	33.5	33.5	34.8	35.1	35.2	35.2
Cumulative with Calon y Gwynt	27.3	31.6	35.3	35.7	35.8	36.6	36.6	36.5	36.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.7	-8.4	-4.7	-4.3	-4.2	-3.8	-6.5	-9.3	-12.0

Table 11O.4: Predicted Cumulative Wind Farm Noise Levels – H1 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.2	23.3	27.3	29.2	29.6	29.4	28.7	28.2	28.1
Calon y Gwynt	23.4	28.2	32.5	32.8	32.4	33.0	33.2	33.2	33.2
Cumulative with Calon y Gwynt	25.1	29.4	33.6	34.4	34.2	34.6	34.5	34.4	34.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.9	-10.6	-6.4	-5.6	-5.8	-5.8	-8.6	-11.4	-14.2

Table 11O.5: Predicted Cumulative Wind Farm Noise Levels – H1 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.9	20.5	24.2	25.6	26.0	25.8	25.2	24.9	24.8
Calon y Gwynt	23.4	28.2	32.5	32.3	32.3	32.8	33.0	33.2	33.2
Cumulative with Calon y Gwynt	24.3	28.9	33.1	33.1	33.2	33.6	33.7	33.8	33.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.7	-11.1	-6.9	-6.9	-6.8	-6.8	-9.4	-12.0	-14.7

Table 11O.6: Predicted Cumulative Wind Farm Noise Levels – H1 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.3	22.5	25.9	26.6	26.9	26.7	26.4	26.2	26.1
Calon y Gwynt	26.5	31.3	35.2	34.8	34.8	35.6	35.7	36.3	36.3
Cumulative with Calon y Gwynt	27.1	31.8	35.7	35.4	35.5	36.1	36.2	36.7	36.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.9	-8.2	-4.3	-4.6	-4.5	-4.3	-6.9	-9.1	-11.8

Table 11O.7: Predicted Cumulative Wind Farm Noise Levels – H1 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.3	25.4	28.8	29.5	29.8	29.7	29.4	29.1	29.1
Calon y Gwynt	28.4	33.2	35.7	35.7	35.7	37.1	37.4	38.2	38.2
Cumulative with Calon y Gwynt	29.1	33.8	36.5	36.6	36.7	37.8	38.0	38.7	38.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-10.9	-6.2	-3.5	-3.4	-3.3	-2.6	-5.1	-7.1	-9.8

Table 11O.8: Predicted Cumulative Wind Farm Noise Levels – H1 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.3	27.0	30.6	31.9	32.3	32.1	31.6	31.2	31.1
Calon y Gwynt	28.8	33.6	35.7	35.4	35.4	37.1	38.1	38.6	38.6
Cumulative with Calon y Gwynt	29.9	34.5	36.9	37.0	37.1	38.3	39.0	39.4	39.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-10.1	-5.5	-3.1	-3.0	-2.9	-2.1	-4.1	-6.4	-9.2

1.2 RECEPTOR H2

Table 11O.9: Predicted Cumulative Wind Farm Noise Levels – H2 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.2	26.9	30.6	31.9	32.2	32.0	31.5	31.1	31.0
Calon y Gwynt	27.3	32.1	33.8	33.5	33.4	35.5	36.3	37.1	37.1
Cumulative with Calon y Gwynt	28.8	33.3	35.5	35.8	35.9	37.1	37.5	38.1	38.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.2	-6.7	-4.5	-4.2	-4.1	-3.3	-5.6	-7.7	-10.4

Table 11O.10: Predicted Cumulative Wind Farm Noise Levels – H2 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.2	26.9	30.5	31.8	32.1	31.9	31.5	31.1	31.0
Calon y Gwynt	27.1	31.9	34.9	34.6	34.4	36.1	36.4	36.9	36.9
Cumulative with Calon y Gwynt	28.6	33.1	36.3	36.4	36.4	37.5	37.6	37.9	37.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.4	-6.9	-3.7	-3.6	-3.6	-2.9	-5.5	-7.9	-10.6

Table 11O.11: Predicted Cumulative Wind Farm Noise Levels – H2 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.3	25.7	29.5	31.1	31.5	31.3	30.7	30.3	30.1
Calon y Gwynt	24.9	29.7	33.3	33.0	33.0	34.3	34.6	34.7	34.7
Cumulative with Calon y Gwynt	26.8	31.1	34.8	35.2	35.3	36.1	36.1	36.0	36.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.2	-8.9	-5.2	-4.8	-4.7	-4.3	-7.0	-9.8	-12.5

Table 11O.12: Predicted Cumulative Wind Farm Noise Levels – H2 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.8	23.0	26.9	28.8	29.2	28.9	28.3	27.8	27.7
Calon y Gwynt	22.2	27.0	31.3	31.7	31.3	31.9	32.0	32.0	32.0
Cumulative with Calon y Gwynt	24.2	28.5	32.7	33.5	33.4	33.7	33.5	33.4	33.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.8	-11.5	-7.3	-6.5	-6.6	-6.7	-9.6	-12.4	-15.1

Table 11O.13: Predicted Cumulative Wind Farm Noise Levels – H2 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.6	20.3	24.0	25.3	25.6	25.5	25.0	24.6	24.5
Calon y Gwynt	21.5	26.3	30.6	30.4	30.4	30.9	31.0	31.3	31.3
Cumulative with Calon y Gwynt	22.7	27.3	31.4	31.6	31.7	32.0	32.0	32.1	32.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.3	-12.7	-8.6	-8.4	-8.3	-8.4	-11.1	-13.7	-16.4

Table 11O.14: Predicted Cumulative Wind Farm Noise Levels – H2 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.9	22.2	25.5	26.2	26.4	26.3	26.0	25.8	25.7
Calon y Gwynt	24.5	29.3	33.3	33.0	33.0	33.7	33.8	34.3	34.3
Cumulative with Calon y Gwynt	25.3	30.1	34.0	33.9	33.9	34.5	34.5	34.9	34.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.7	-9.9	-6.0	-6.1	-6.1	-5.9	-8.6	-10.9	-13.6

Table 11O.15: Predicted Cumulative Wind Farm Noise Levels – H2 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.0	25.2	28.5	29.0	29.4	29.2	29.0	28.8	28.7
Calon y Gwynt	26.6	31.4	34.1	33.9	33.9	35.6	35.8	36.4	36.4
Cumulative with Calon y Gwynt	27.7	32.3	35.1	35.1	35.2	36.5	36.6	37.1	37.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.3	-7.7	-4.9	-4.9	-4.8	-3.9	-6.5	-8.7	-11.4

Table 11O.16: Predicted Cumulative Wind Farm Noise Levels – H2 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.7	26.5	30.0	31.2	31.6	31.4	30.9	30.6	30.5
Calon y Gwynt	27.3	32.1	34.1	33.7	33.6	35.6	36.6	37.1	37.1
Cumulative with Calon y Gwynt	28.6	33.2	35.5	35.6	35.7	37.0	37.6	38.0	38.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.4	-6.8	-4.5	-4.4	-4.3	-3.4	-5.5	-7.8	-10.5

1.3 RECEPTOR H3

Table 11O.17: Predicted Cumulative Wind Farm Noise Levels – H3 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	26.0	29.8	33.4	34.6	34.9	34.7	34.3	33.9	33.8
Calon y Gwynt	36.1	40.9	41.8	41.5	41.5	43.7	44.7	45.9	45.9
Cumulative with Calon y Gwynt	36.5	41.3	42.4	42.3	42.4	44.2	45.0	46.2	46.2
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	47.1	50.5	53.9
Compliance	-8.5	-3.7	-2.6	-2.7	-2.6	-0.8	-2.1	-4.3	-7.7

Table 11O.18: Predicted Cumulative Wind Farm Noise Levels – H3 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	26.0	29.7	33.3	34.5	34.8	34.6	34.2	33.8	33.7
Calon y Gwynt	35.7	40.5	42.5	42.1	41.9	44.1	44.7	45.5	45.5
Cumulative with Calon y Gwynt	36.1	40.8	43.0	42.8	42.6	44.6	45.0	45.8	45.8
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	47.1	50.5	53.9
Compliance	-8.9	-4.2	-2.0	-2.2	-2.4	-0.4	-2.1	-4.7	-8.1

Table 11O.19: Predicted Cumulative Wind Farm Noise Levels – H3 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	24.9	28.2	32.1	33.7	34.1	33.9	33.3	32.8	32.7
Calon y Gwynt	35.0	39.8	43.4	42.9	42.9	44.3	44.7	44.8	44.8
Cumulative with Calon y Gwynt	35.4	40.1	43.7	43.4	43.5	44.7	45.0	45.1	45.1
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	47.1	50.5	53.9
Compliance	-9.6	-4.9	-1.3	-1.6	-1.5	-0.3	-2.1	-5.4	-8.8

Table 11O.20: Predicted Cumulative Wind Farm Noise Levels – H3 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.4	25.6	29.5	31.4	31.8	31.6	30.9	30.5	30.3
Calon y Gwynt	34.2	39.0	43.4	43.8	43.6	43.9	44.0	44.0	44.0
Cumulative with Calon y Gwynt	34.5	39.2	43.5	44.1	43.9	44.2	44.2	44.2	44.2
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	47.1	50.5	53.9
Compliance	-10.5	-5.8	-1.5	-0.9	-1.1	-0.8	-2.9	-6.3	-9.7

Table 11O.21: Predicted Cumulative Wind Farm Noise Levels – H3 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.5	23.3	26.9	28.3	28.6	28.4	27.9	27.5	27.4
Calon y Gwynt	35.1	39.9	44.3	43.9	43.9	44.4	44.5	44.9	44.9
Cumulative with Calon y Gwynt	35.3	40.0	44.4	44.0	44.0	44.5	44.6	45.0	45.0
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	47.1	50.5	53.9
Compliance	-9.7	-5.0	-0.6	-1.0	-1.0	-0.5	-2.5	-5.5	-8.9

Table 11O.22: Predicted Cumulative Wind Farm Noise Levels – H3 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.8	25.2	28.5	29.0	29.2	29.1	28.9	28.7	28.6
Calon y Gwynt	35.7	40.5	44.2	43.7	43.7	44.6	44.4	45.5	45.5
Cumulative with Calon y Gwynt	35.9	40.6	44.3	43.8	43.8	44.7	44.6	45.6	45.6
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	47.1	50.5	53.9
Compliance	-9.1	-4.4	-0.7	-1.2	-1.2	-0.3	-2.5	-4.9	-8.3

Table 11O.23: Predicted Cumulative Wind Farm Noise Levels – H3 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.6	28.0	31.2	31.5	31.8	31.7	31.5	31.3	31.3
Calon y Gwynt	36.1	40.9	42.5	42.2	42.2	44.2	44.7	45.9	45.9
Cumulative with Calon y Gwynt	36.3	41.1	42.8	42.5	42.6	44.5	44.9	46.0	46.0
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	47.1	50.5	53.9
Compliance	-8.7	-3.9	-2.2	-2.5	-2.4	-0.5	-2.2	-4.5	-7.9

Table 11O.24: Predicted Cumulative Wind Farm Noise Levels – H3 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	25.1	29.1	32.5	33.4	33.8	33.6	33.2	32.9	32.8
Calon y Gwynt	35.7	40.5	41.9	41.4	41.4	43.5	44.5	45.5	45.5
Cumulative with Calon y Gwynt	36.1	40.8	42.4	42.1	42.0	44.0	44.9	45.7	45.7
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	47.1	50.5	53.9
Compliance	-8.9	-4.2	-2.6	-2.9	-3.0	-1.0	-2.2	-4.8	-8.2

1.4 RECEPTOR H4

Table 11O.25: Predicted Cumulative Wind Farm Noise Levels – H4 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	25.5	29.4	32.9	34.1	34.4	34.2	33.7	33.4	33.3
Calon y Gwynt	32.6	37.4	38.9	38.6	38.5	40.4	41.3	42.4	42.4
Cumulative with Calon y Gwynt	33.3	38.0	39.9	39.9	39.9	41.4	42.0	42.9	42.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	41.4	44.5	47.5	50.5
Compliance	-6.7	-2.0	-0.1	-0.1	-0.1	0.0	-2.5	-4.6	-7.6

Table 11O.26: Predicted Cumulative Wind Farm Noise Levels – H4 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	25.4	29.3	32.8	33.9	34.3	34.1	33.7	33.4	33.2
Calon y Gwynt	31.8	36.6	38.9	38.6	38.5	40.4	40.9	41.6	41.6
Cumulative with Calon y Gwynt	32.7	37.4	39.8	39.9	39.9	41.3	41.6	42.2	42.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	41.4	44.5	47.5	50.5
Compliance	-7.3	-2.6	-0.2	-0.1	-0.1	-0.1	-2.9	-5.3	-8.3

Table 11O.27: Predicted Cumulative Wind Farm Noise Levels – H4 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	24.3	27.7	31.5	33.1	33.4	33.2	32.7	32.2	32.1
Calon y Gwynt	30.8	35.6	39.0	38.6	38.6	40.2	40.5	40.6	40.6
Cumulative with Calon y Gwynt	31.7	36.2	39.7	39.7	39.8	41.0	41.1	41.2	41.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	41.4	44.5	47.5	50.5
Compliance	-8.3	-3.8	-0.3	-0.3	-0.2	-0.4	-3.4	-6.3	-9.3

Table 11O.28: Predicted Cumulative Wind Farm Noise Levels – H4 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.8	25.1	29.0	30.8	31.2	31.0	30.4	29.9	29.7
Calon y Gwynt	29.6	34.4	38.8	39.1	38.7	39.3	39.4	39.4	39.4
Cumulative with Calon y Gwynt	30.3	34.9	39.2	39.7	39.4	39.9	39.9	39.9	39.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	41.4	44.5	47.5	50.5
Compliance	-9.7	-5.1	-0.8	-0.3	-0.6	-1.5	-4.6	-7.6	-10.6

Table 11O.29: Predicted Cumulative Wind Farm Noise Levels – H4 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.8	22.7	26.2	27.5	27.8	27.6	27.2	26.8	26.7
Calon y Gwynt	29.7	34.5	38.8	38.4	38.4	39.0	39.1	39.5	39.5
Cumulative with Calon y Gwynt	30.0	34.8	39.1	38.8	38.8	39.3	39.4	39.7	39.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	41.4	44.5	47.5	50.5
Compliance	-10.0	-5.2	-0.9	-1.2	-1.2	-2.1	-5.1	-7.8	-10.8

Table 11O.30: Predicted Cumulative Wind Farm Noise Levels – H4 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.5	25.1	28.2	28.7	28.9	28.8	28.6	28.5	28.4
Calon y Gwynt	31.0	35.8	39.5	38.9	38.9	39.9	39.9	40.8	40.8
Cumulative with Calon y Gwynt	31.4	36.2	39.8	39.3	39.3	40.2	40.2	41.1	41.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	41.4	44.5	47.5	50.5
Compliance	-8.6	-3.8	-0.2	-0.7	-0.7	-1.2	-4.3	-6.4	-9.4

Table 11O.31: Predicted Cumulative Wind Farm Noise Levels – H4 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.4	27.8	31.0	31.4	31.6	31.6	31.3	31.2	31.1
Calon y Gwynt	32.3	37.1	39.2	39.1	39.1	40.7	41.1	42.1	42.1
Cumulative with Calon y Gwynt	32.8	37.6	39.8	39.8	39.8	41.2	41.5	42.5	42.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	41.4	44.5	47.5	50.5
Compliance	-7.2	-2.4	-0.2	-0.2	-0.2	-0.2	-3.0	-5.0	-8.0

Table 11O.32: Predicted Cumulative Wind Farm Noise Levels – H4 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	24.9	28.9	32.3	33.3	33.6	33.5	33.1	32.8	32.7
Calon y Gwynt	32.6	37.4	39.1	38.8	38.7	40.5	41.7	42.4	42.4
Cumulative with Calon y Gwynt	33.2	37.9	39.9	39.9	39.9	41.3	42.3	42.8	42.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	41.4	44.5	47.5	50.5
Compliance	-6.8	-2.1	-0.1	-0.1	-0.1	-0.1	-2.2	-4.7	-7.7

1.5 RECEPTOR H6

Table 11O.33: Predicted Cumulative Wind Farm Noise Levels – H6 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	30.3	33.8	37.6	38.9	39.0	39.0	38.5	38.1	38.0
Calon y Gwynt	24.8	29.6	33.3	33.0	33.0	34.4	34.5	34.6	34.6
Cumulative with Calon y Gwynt	31.4	35.2	39.0	39.9	40.0	40.3	39.9	39.7	39.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-8.6	-4.8	-1.0	-0.1	0.0	-0.1	-3.2	-6.1	-8.9

Table 11O.34: Predicted Cumulative Wind Farm Noise Levels – H6 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	32.3	35.3	36.8	38.5	38.5	38.6	38.6	40.3	40.1
Calon y Gwynt	23.0	27.8	31.9	31.7	31.7	32.6	32.7	32.8	32.8
Cumulative with Calon y Gwynt	32.8	36.0	38.1	39.4	39.4	39.5	39.6	41.0	40.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-7.2	-4.0	-1.9	-0.6	-0.6	-0.9	-3.5	-4.8	-7.6

Table 11O.35: Predicted Cumulative Wind Farm Noise Levels – H6 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	32.4	35.2	35.9	38.0	38.0	38.0	38.0	40.5	40.3
Calon y Gwynt	24.2	29.0	33.0	33.3	33.3	33.8	33.9	34.0	34.0
Cumulative with Calon y Gwynt	33.0	36.1	37.7	39.3	39.3	39.4	39.5	41.4	41.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-7.0	-3.9	-2.3	-0.7	-0.7	-1.0	-3.6	-4.4	-7.3

Table 11O.36: Predicted Cumulative Wind Farm Noise Levels – H6 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	32.3	35.0	35.6	37.8	37.8	37.8	37.8	40.4	40.2
Calon y Gwynt	26.2	31.0	34.8	34.9	34.8	35.1	36.0	36.0	36.0
Cumulative with Calon y Gwynt	33.2	36.4	38.2	39.6	39.6	39.7	40.0	41.7	41.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-6.8	-3.6	-1.8	-0.4	-0.4	-0.7	-3.1	-4.1	-6.9

Table 11O.37: Predicted Cumulative Wind Farm Noise Levels – H6 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	32.1	34.9	36.1	38.1	38.1	38.1	38.1	40.1	39.9
Calon y Gwynt	28.0	32.8	36.5	35.1	35.1	36.0	37.7	37.8	37.8
Cumulative with Calon y Gwynt	33.5	37.0	39.3	39.8	39.8	40.2	40.9	42.1	42.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-6.5	-3.0	-0.7	-0.2	-0.2	-0.2	-2.2	-3.7	-6.5

Table 11O.38: Predicted Cumulative Wind Farm Noise Levels – H6 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	30.4	33.7	37.1	38.6	38.6	38.6	38.6	38.3	38.1
Calon y Gwynt	28.2	33.0	36.2	34.3	34.3	35.5	37.8	38.0	38.0
Cumulative with Calon y Gwynt	32.5	36.4	39.7	40.0	40.0	40.3	41.2	41.2	41.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-7.5	-3.6	-0.3	0.0	0.0	-0.1	-1.9	-4.6	-7.4

Table 11O.39: Predicted Cumulative Wind Farm Noise Levels – H6 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	28.3	32.2	35.7	36.3	36.7	36.5	36.2	35.9	35.8
Calon y Gwynt	28.2	33.0	36.8	36.9	36.9	37.3	37.7	38.0	38.0
Cumulative with Calon y Gwynt	31.3	35.7	39.3	39.6	39.8	40.0	40.0	40.1	40.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-8.7	-4.3	-0.7	-0.4	-0.2	-0.4	-3.1	-5.7	-8.4

Table 11O.40: Predicted Cumulative Wind Farm Noise Levels – H6 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	28.3	32.2	35.6	36.2	36.5	36.4	36.1	35.9	35.8
Calon y Gwynt	26.9	31.7	35.6	35.7	35.4	36.4	36.6	36.7	36.7
Cumulative with Calon y Gwynt	30.7	35.0	38.6	39.0	39.0	39.4	39.3	39.3	39.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-9.3	-5.0	-1.4	-1.0	-1.0	-1.0	-3.8	-6.5	-9.2

1.6 RECEPTOR H47

Table 11O.41: Predicted Cumulative Wind Farm Noise Levels – H47 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	26.8	31.6	34.7	34.6	34.6	34.6	34.6	34.5	34.5
Calon y Gwynt	27.7	32.5	36.6	37.0	37.0	37.3	37.4	37.5	37.5
Cumulative with Calon y Gwynt	30.2	35.1	38.8	39.0	39.0	39.2	39.2	39.2	39.2
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Compliance	-14.8	-9.9	-6.2	-6.0	-6.0	-5.8	-5.8	-5.8	-5.8

Table 11O.42: Predicted Cumulative Wind Farm Noise Levels – H47 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	26.9	31.7	34.7	34.4	34.5	34.6	34.7	34.6	34.6
Calon y Gwynt	29.8	34.6	38.9	39.3	39.3	39.5	39.5	39.6	39.6
Cumulative with Calon y Gwynt	31.6	36.4	40.3	40.6	40.5	40.7	40.8	40.8	40.8
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Compliance	-13.4	-8.6	-4.7	-4.4	-4.5	-4.3	-4.2	-4.2	-4.2

Table 11O.43: Predicted Cumulative Wind Farm Noise Levels – H47 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	26.7	31.5	34.5	34.1	34.2	34.4	34.5	34.4	34.4
Calon y Gwynt	29.9	34.7	38.0	38.1	38.1	38.3	39.7	39.7	39.7
Cumulative with Calon y Gwynt	31.6	36.4	39.6	39.6	39.6	39.8	40.9	40.8	40.8
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Compliance	-13.4	-8.6	-5.4	-5.4	-5.4	-5.2	-4.1	-4.2	-4.2

Table 11O.44: Predicted Cumulative Wind Farm Noise Levels – H47 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	24.0	28.5	31.8	31.3	31.4	31.6	31.6	31.5	31.5
Calon y Gwynt	29.9	34.7	38.4	38.3	38.3	38.8	39.7	39.7	39.7
Cumulative with Calon y Gwynt	30.9	35.7	39.2	39.1	39.1	39.5	40.4	40.3	40.3
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Compliance	-14.1	-9.3	-5.8	-5.9	-5.9	-5.5	-4.6	-4.7	-4.7

Table 11O.45: Predicted Cumulative Wind Farm Noise Levels – H47 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.2	24.7	27.9	28.2	28.4	28.3	28.1	27.9	27.9
Calon y Gwynt	28.8	33.6	37.5	37.7	37.7	37.8	38.6	38.6	38.6
Cumulative with Calon y Gwynt	29.4	34.2	37.9	38.2	38.2	38.3	39.0	39.0	39.0
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Compliance	-15.6	-10.8	-7.1	-6.8	-6.8	-6.7	-6.0	-6.0	-6.0

Table 11O.46: Predicted Cumulative Wind Farm Noise Levels – H47 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.5	24.3	27.3	27.6	27.7	27.6	27.5	27.5	27.4
Calon y Gwynt	27.5	32.3	36.6	37.0	37.0	37.2	37.2	37.3	37.3
Cumulative with Calon y Gwynt	28.1	32.9	37.1	37.5	37.5	37.6	37.7	37.7	37.7
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Compliance	-16.9	-12.1	-7.9	-7.5	-7.5	-7.4	-7.3	-7.3	-7.3

Table 11O.47: Predicted Cumulative Wind Farm Noise Levels – H47 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.0	28.1	30.8	31.0	31.2	31.2	31.2	31.2	31.2
Calon y Gwynt	25.6	30.4	34.7	35.2	35.2	35.3	35.3	35.4	35.4
Cumulative with Calon y Gwynt	27.5	32.4	36.2	36.6	36.7	36.7	36.8	36.8	36.8
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Compliance	-17.5	-12.6	-8.8	-8.4	-8.3	-8.3	-8.2	-8.2	-8.2

Table 11O.48: Predicted Cumulative Wind Farm Noise Levels – H47 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	26.2	31.2	34.0	34.1	34.2	34.2	34.1	34.1	34.1
Calon y Gwynt	26.0	30.8	35.1	35.6	35.6	35.8	35.8	35.8	35.8
Cumulative with Calon y Gwynt	29.1	34.0	37.6	37.9	38.0	38.1	38.1	38.1	38.1
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Compliance	-15.9	-11.0	-7.4	-7.1	-7.0	-6.9	-6.9	-6.9	-6.9

1.7 RECEPTOR H51

Table 11O.49: Predicted Cumulative Wind Farm Noise Levels – H51 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	26.4	31.5	34.4	34.5	34.5	34.5	34.5	34.5	34.5
Calon y Gwynt	19.6	24.4	28.3	28.5	28.5	29.2	29.3	29.4	29.4
Cumulative with Calon y Gwynt	27.3	32.2	35.4	35.5	35.5	35.6	35.6	35.7	35.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.7	-7.8	-4.6	-4.5	-4.5	-4.8	-7.5	-10.1	-12.8

Table 11O.50: Predicted Cumulative Wind Farm Noise Levels – H51 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	26.5	31.5	34.3	34.4	34.4	34.5	34.6	34.6	34.6
Calon y Gwynt	22.6	27.4	31.6	32.0	32.0	32.3	32.3	32.4	32.4
Cumulative with Calon y Gwynt	28.0	32.9	36.2	36.4	36.4	36.6	36.6	36.6	36.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.0	-7.1	-3.8	-3.6	-3.6	-3.8	-6.5	-9.2	-11.9

Table 11O.51: Predicted Cumulative Wind Farm Noise Levels – H51 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	26.4	31.4	34.2	34.2	34.2	34.3	34.4	34.4	34.4
Calon y Gwynt	22.8	27.6	31.2	31.3	31.3	31.6	32.6	32.6	32.6
Cumulative with Calon y Gwynt	27.9	32.9	36.0	36.0	36.0	36.2	36.6	36.6	36.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.1	-7.1	-4.0	-4.0	-4.0	-4.2	-6.5	-9.2	-11.9

Table 11O.52: Predicted Cumulative Wind Farm Noise Levels – H51 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	24.7	29.5	32.5	32.3	32.3	32.5	32.6	32.5	32.5
Calon y Gwynt	22.8	27.6	31.4	31.4	31.4	31.8	32.6	32.6	32.6
Cumulative with Calon y Gwynt	26.9	31.7	35.0	34.9	34.9	35.2	35.6	35.6	35.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.1	-8.3	-5.0	-5.1	-5.1	-5.2	-7.5	-10.2	-12.9

Table 11O.53: Predicted Cumulative Wind Farm Noise Levels – H51 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.9	25.6	28.7	28.8	28.9	28.9	28.7	28.7	28.7
Calon y Gwynt	22.3	27.1	30.9	31.1	31.1	31.3	32.1	32.1	32.1
Cumulative with Calon y Gwynt	24.7	29.4	32.9	33.1	33.1	33.3	33.7	33.7	33.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.3	-10.6	-7.1	-6.9	-6.9	-7.1	-9.4	-12.1	-14.8

Table 11O.54: Predicted Cumulative Wind Farm Noise Levels – H51 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.1	24.0	27.0	27.3	27.4	27.4	27.3	27.3	27.2
Calon y Gwynt	19.0	23.8	28.0	28.1	28.1	28.5	28.7	28.8	28.8
Cumulative with Calon y Gwynt	22.1	26.9	30.5	30.7	30.8	31.0	31.1	31.1	31.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.9	-13.1	-9.5	-9.3	-9.2	-9.4	-12.0	-14.7	-17.4

Table 11O.55: Predicted Cumulative Wind Farm Noise Levels – H51 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.5	26.6	29.4	29.7	29.9	29.9	29.9	29.9	29.9
Calon y Gwynt	14.9	19.7	23.7	24.0	24.0	24.4	24.6	24.7	24.7
Cumulative with Calon y Gwynt	22.4	27.4	30.4	30.8	30.9	31.0	31.0	31.0	31.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.6	-12.6	-9.6	-9.2	-9.1	-9.4	-12.1	-14.8	-17.5

Table 11O.56: Predicted Cumulative Wind Farm Noise Levels – H51 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	25.0	30.1	32.8	33.3	33.3	33.3	33.3	33.3	33.3
Calon y Gwynt	15.4	20.2	24.1	24.4	24.3	24.9	25.1	25.2	25.2
Cumulative with Calon y Gwynt	25.5	30.5	33.4	33.8	33.8	33.9	33.9	33.9	33.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.5	-9.5	-6.6	-6.2	-6.2	-6.5	-9.2	-11.9	-14.6

1.8 RECEPTOR H53

Table 11O.57: Predicted Cumulative Wind Farm Noise Levels – H53 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.8	27.3	30.6	30.9	31.0	30.9	30.7	30.6	30.6
Calon y Gwynt	29.9	34.7	38.6	38.5	38.1	39.5	39.6	39.7	39.7
Cumulative with Calon y Gwynt	30.7	35.4	39.3	39.2	38.9	40.0	40.1	40.2	40.2
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.2
Compliance	-14.3	-9.6	-5.7	-5.8	-6.1	-5.0	-4.9	-4.8	-7.0

Table 11O.58: Predicted Cumulative Wind Farm Noise Levels – H53 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.8	27.3	30.5	30.6	30.8	30.8	30.7	30.6	30.6
Calon y Gwynt	29.9	34.7	39.0	39.4	39.3	39.6	39.6	39.7	39.7
Cumulative with Calon y Gwynt	30.7	35.4	39.5	39.9	39.9	40.1	40.2	40.2	40.2
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.2
Compliance	-14.3	-9.6	-5.5	-5.1	-5.1	-4.9	-4.8	-4.8	-7.0

Table 11O.59: Predicted Cumulative Wind Farm Noise Levels – H53 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.1	26.4	29.8	29.8	30.0	30.1	29.9	29.8	29.7
Calon y Gwynt	29.9	34.7	38.8	39.2	39.2	39.3	39.7	39.7	39.7
Cumulative with Calon y Gwynt	30.5	35.3	39.3	39.7	39.7	39.8	40.1	40.1	40.1
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.2
Compliance	-14.5	-9.7	-5.7	-5.3	-5.3	-5.2	-4.9	-4.9	-7.1

Table 11O.60: Predicted Cumulative Wind Farm Noise Levels – H53 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.6	23.6	27.2	27.8	28.1	28.0	27.7	27.4	27.3
Calon y Gwynt	28.2	33.0	37.3	37.8	37.8	37.9	38.0	38.0	38.0
Cumulative with Calon y Gwynt	28.8	33.5	37.7	38.2	38.2	38.3	38.4	38.4	38.4
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.2
Compliance	-16.2	-11.5	-7.3	-6.8	-6.8	-6.7	-6.6	-6.6	-8.8

Table 11O.61: Predicted Cumulative Wind Farm Noise Levels – H53 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.6	20.7	24.2	25.0	25.2	25.1	24.8	24.5	24.5
Calon y Gwynt	27.5	32.3	36.7	37.2	37.2	37.2	37.3	37.3	37.3
Cumulative with Calon y Gwynt	27.9	32.6	36.9	37.5	37.5	37.5	37.6	37.6	37.6
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.2
Compliance	-17.1	-12.4	-8.1	-7.5	-7.5	-7.5	-7.4	-7.4	-9.6

Table 11O.62: Predicted Cumulative Wind Farm Noise Levels – H53 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.6	21.3	24.4	24.8	25.0	24.9	24.8	24.7	24.6
Calon y Gwynt	26.8	31.6	36.0	36.5	36.5	36.6	36.6	36.6	36.6
Cumulative with Calon y Gwynt	27.2	32.0	36.3	36.8	36.8	36.8	36.9	36.9	36.9
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.2
Compliance	-17.8	-13.0	-8.7	-8.2	-8.2	-8.2	-8.1	-8.1	-10.3

Table 11O.63: Predicted Cumulative Wind Farm Noise Levels – H53 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.1	24.9	27.9	27.9	28.2	28.1	28.1	28.0	28.0
Calon y Gwynt	27.7	32.5	36.9	37.4	37.4	37.5	37.5	37.5	37.5
Cumulative with Calon y Gwynt	28.4	33.2	37.4	37.9	37.9	38.0	38.0	38.0	38.0
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.2
Compliance	-16.6	-11.8	-7.6	-7.1	-7.1	-7.0	-7.0	-7.0	-9.2

Table 11O.64: Predicted Cumulative Wind Farm Noise Levels – H53 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.4	27.1	30.1	30.3	30.4	30.4	30.3	30.2	30.2
Calon y Gwynt	28.6	33.4	37.6	37.6	37.6	38.3	38.4	38.4	38.4
Cumulative with Calon y Gwynt	29.6	34.3	38.3	38.3	38.3	39.0	39.0	39.0	39.0
ETSU-R-97 / ARWTN Financially Involved Noise Criterion	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	47.2
Compliance	-15.4	-10.7	-6.7	-6.7	-6.7	-6.0	-6.0	-6.0	-8.2

1.9 RECEPTOR H54

Table 11O.65: Predicted Cumulative Wind Farm Noise Levels – H54 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.3	26.8	30.2	30.4	30.6	30.5	30.3	30.2	30.1
Calon y Gwynt	28.8	33.6	37.5	37.3	36.9	38.4	38.5	38.6	38.6
Cumulative with Calon y Gwynt	29.7	34.4	38.2	38.1	37.8	39.0	39.1	39.2	39.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-10.3	-5.6	-1.8	-1.9	-2.2	-1.4	-4.0	-6.6	-9.3

Table 11O.66: Predicted Cumulative Wind Farm Noise Levels – H54 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.3	26.8	30.0	30.2	30.4	30.4	30.3	30.2	30.1
Calon y Gwynt	28.8	33.6	37.9	38.3	38.2	38.5	38.5	38.6	38.6
Cumulative with Calon y Gwynt	29.7	34.4	38.5	38.9	38.9	39.1	39.2	39.2	39.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-10.3	-5.6	-1.5	-1.1	-1.1	-1.3	-3.9	-6.6	-9.3

Table 11O.67: Predicted Cumulative Wind Farm Noise Levels – H54 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.7	25.9	29.3	29.4	29.6	29.7	29.5	29.3	29.3
Calon y Gwynt	28.8	33.6	37.8	38.1	38.1	38.2	38.6	38.6	38.6
Cumulative with Calon y Gwynt	29.6	34.3	38.4	38.7	38.7	38.8	39.1	39.1	39.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-10.4	-5.7	-1.6	-1.3	-1.3	-1.6	-4.0	-6.7	-9.4

Table 11O.68: Predicted Cumulative Wind Farm Noise Levels – H54 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.2	23.1	26.7	27.5	27.7	27.6	27.3	27.0	26.9
Calon y Gwynt	26.9	31.7	36.0	36.5	36.5	36.6	36.7	36.7	36.7
Cumulative with Calon y Gwynt	27.6	32.3	36.5	37.0	37.0	37.1	37.2	37.2	37.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.4	-7.7	-3.5	-3.0	-3.0	-3.3	-5.9	-8.6	-11.3

Table 11O.69: Predicted Cumulative Wind Farm Noise Levels – H54 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.2	20.3	23.7	24.6	24.8	24.7	24.3	24.1	24.0
Calon y Gwynt	25.5	30.3	34.7	35.1	35.1	35.2	35.3	35.3	35.3
Cumulative with Calon y Gwynt	26.0	30.7	35.0	35.5	35.5	35.6	35.6	35.6	35.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.0	-9.3	-5.0	-4.5	-4.5	-4.8	-7.5	-10.2	-12.9

Table 11O.70: Predicted Cumulative Wind Farm Noise Levels – H54 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.3	20.9	24.1	24.5	24.7	24.6	24.4	24.3	24.3
Calon y Gwynt	24.9	29.7	34.0	34.5	34.5	34.6	34.6	34.7	34.7
Cumulative with Calon y Gwynt	25.4	30.2	34.4	34.9	34.9	35.0	35.0	35.1	35.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.6	-9.8	-5.6	-5.1	-5.1	-5.4	-8.1	-10.7	-13.4

Table 11O.71: Predicted Cumulative Wind Farm Noise Levels – H54 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.8	24.5	27.5	27.5	27.8	27.7	27.7	27.6	27.6
Calon y Gwynt	26.5	31.3	35.5	36.1	36.1	36.2	36.2	36.3	36.3
Cumulative with Calon y Gwynt	27.3	32.1	36.2	36.6	36.7	36.8	36.8	36.8	36.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.7	-7.9	-3.8	-3.4	-3.3	-3.6	-6.3	-9.0	-11.7

Table 11O.72: Predicted Cumulative Wind Farm Noise Levels – H54 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.0	26.5	29.7	29.9	30.0	30.0	29.8	29.8	29.7
Calon y Gwynt	27.5	32.3	36.4	36.4	36.3	37.2	37.3	37.3	37.3
Cumulative with Calon y Gwynt	28.6	33.4	37.2	37.2	37.3	37.9	38.0	38.0	38.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.4	-6.6	-2.8	-2.8	-2.7	-2.5	-5.1	-7.8	-10.5

1.10 RECEPTOR H55

Table 110.73: Predicted Cumulative Wind Farm Noise Levels – H55 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.4	27.0	30.3	30.5	30.6	30.6	30.4	30.3	30.2
Calon y Gwynt	27.8	32.6	36.6	36.5	36.2	37.4	37.5	37.6	37.6
Cumulative with Calon y Gwynt	28.9	33.7	37.5	37.5	37.3	38.2	38.3	38.4	38.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.1	-6.3	-2.5	-2.5	-2.7	-2.2	-4.8	-7.4	-10.1

Table 110.74: Predicted Cumulative Wind Farm Noise Levels – H55 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.4	27.0	30.2	30.3	30.4	30.4	30.4	30.3	30.2
Calon y Gwynt	27.8	32.6	36.9	37.3	37.3	37.5	37.6	37.6	37.6
Cumulative with Calon y Gwynt	28.9	33.7	37.7	38.1	38.1	38.3	38.3	38.4	38.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.1	-6.3	-2.3	-1.9	-1.9	-2.1	-4.8	-7.4	-10.1

Table 110.75: Predicted Cumulative Wind Farm Noise Levels – H55 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.9	26.3	29.6	29.6	29.7	29.8	29.7	29.6	29.5
Calon y Gwynt	27.8	32.6	36.7	37.0	37.0	37.1	37.6	37.6	37.6
Cumulative with Calon y Gwynt	28.8	33.5	37.5	37.7	37.7	37.8	38.3	38.3	38.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.2	-6.5	-2.5	-2.3	-2.3	-2.6	-4.8	-7.5	-10.2

Table 110.76: Predicted Cumulative Wind Farm Noise Levels – H55 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.4	23.5	27.0	27.5	27.7	27.7	27.4	27.2	27.1
Calon y Gwynt	26.9	31.7	35.9	36.4	36.4	36.5	36.7	36.7	36.7
Cumulative with Calon y Gwynt	27.6	32.3	36.4	36.9	36.9	37.0	37.2	37.1	37.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.4	-7.7	-3.6	-3.1	-3.1	-3.4	-5.9	-8.7	-11.4

Table 11O.77: Predicted Cumulative Wind Farm Noise Levels – H55 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.3	20.5	23.9	24.7	24.9	24.8	24.5	24.3	24.2
Calon y Gwynt	24.4	29.2	33.5	34.0	34.0	34.0	34.2	34.2	34.2
Cumulative with Calon y Gwynt	25.0	29.8	34.0	34.5	34.5	34.5	34.6	34.6	34.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.0	-10.2	-6.0	-5.5	-5.5	-5.9	-8.5	-11.2	-13.9

Table 11O.78: Predicted Cumulative Wind Farm Noise Levels – H55 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.2	20.8	24.0	24.4	24.5	24.5	24.3	24.2	24.2
Calon y Gwynt	22.7	27.5	31.8	32.2	32.2	32.4	32.4	32.5	32.5
Cumulative with Calon y Gwynt	23.5	28.3	32.5	32.9	32.9	33.0	33.0	33.1	33.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.5	-11.7	-7.5	-7.1	-7.1	-7.4	-10.1	-12.7	-15.4

Table 11O.79: Predicted Cumulative Wind Farm Noise Levels – H55 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.6	24.5	27.4	27.5	27.8	27.7	27.7	27.6	27.6
Calon y Gwynt	23.8	28.6	32.9	33.4	33.4	33.6	33.6	33.6	33.6
Cumulative with Calon y Gwynt	25.2	30.0	34.0	34.4	34.5	34.6	34.6	34.6	34.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.8	-10.0	-6.0	-5.6	-5.5	-5.8	-8.5	-11.2	-13.9

Table 11O.80: Predicted Cumulative Wind Farm Noise Levels – H55 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.1	26.8	29.8	30.0	30.1	30.1	30.0	29.9	29.9
Calon y Gwynt	26.3	31.1	35.3	35.2	35.2	36.0	36.1	36.1	36.1
Cumulative with Calon y Gwynt	27.7	32.5	36.4	36.4	36.4	37.0	37.0	37.1	37.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.3	-7.5	-3.6	-3.6	-3.6	-3.4	-6.1	-8.7	-11.4

1.11 RECEPTOR H56

Table 11O.81: Predicted Cumulative Wind Farm Noise Levels – H56 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.9	26.3	29.7	30.1	30.2	30.1	29.9	29.7	29.7
Calon y Gwynt	27.3	32.1	35.7	35.4	35.1	36.7	36.9	37.1	37.1
Cumulative with Calon y Gwynt	28.4	33.1	36.6	36.6	36.3	37.6	37.7	37.9	37.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-11.6	-6.9	-3.4	-3.4	-3.7	-2.4	-2.3	-3.5	-5.2

Table 11O.82: Predicted Cumulative Wind Farm Noise Levels – H56 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.9	26.3	29.6	29.9	30.0	30.0	29.9	29.7	29.7
Calon y Gwynt	27.3	32.1	36.3	36.6	36.5	37.0	37.0	37.1	37.1
Cumulative with Calon y Gwynt	28.4	33.1	37.1	37.4	37.4	37.8	37.8	37.9	37.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-11.6	-6.9	-2.9	-2.6	-2.6	-2.2	-2.2	-3.5	-5.2

Table 11O.83: Predicted Cumulative Wind Farm Noise Levels – H56 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.0	25.2	28.6	29.0	29.2	29.1	28.9	28.7	28.7
Calon y Gwynt	26.9	31.7	35.9	36.2	36.2	36.4	36.7	36.7	36.7
Cumulative with Calon y Gwynt	27.9	32.6	36.6	37.0	37.0	37.2	37.4	37.4	37.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-12.1	-7.4	-3.4	-3.0	-3.0	-2.8	-2.6	-4.0	-5.6

Table 11O.84: Predicted Cumulative Wind Farm Noise Levels – H56 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.7	22.6	26.2	27.1	27.4	27.3	26.9	26.6	26.5
Calon y Gwynt	25.2	30.0	34.3	34.8	34.7	34.9	35.0	35.0	35.0
Cumulative with Calon y Gwynt	26.1	30.7	34.9	35.5	35.5	35.6	35.6	35.6	35.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-13.9	-9.3	-5.1	-4.5	-4.5	-4.4	-4.4	-5.8	-7.4

Table 11O.85: Predicted Cumulative Wind Farm Noise Levels – H56 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.7	19.8	23.3	24.2	24.4	24.3	23.9	23.7	23.6
Calon y Gwynt	22.7	27.5	31.9	32.3	32.3	32.4	32.5	32.5	32.5
Cumulative with Calon y Gwynt	23.5	28.2	32.4	32.9	32.9	33.0	33.1	33.1	33.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-16.5	-11.8	-7.6	-7.1	-7.1	-7.0	-6.9	-8.3	-9.9

Table 11O.86: Predicted Cumulative Wind Farm Noise Levels – H56 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.1	20.7	23.9	24.3	24.5	24.4	24.2	24.1	24.1
Calon y Gwynt	22.6	27.4	31.8	32.2	32.2	32.3	32.4	32.4	32.4
Cumulative with Calon y Gwynt	23.5	28.3	32.4	32.8	32.8	32.9	33.0	33.0	33.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-16.5	-11.7	-7.6	-7.2	-7.2	-7.1	-7.0	-8.4	-10.0

Table 11O.87: Predicted Cumulative Wind Farm Noise Levels – H56 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.4	24.0	27.1	27.1	27.4	27.3	27.2	27.2	27.2
Calon y Gwynt	24.9	29.7	33.8	34.3	34.3	34.6	34.6	34.7	34.7
Cumulative with Calon y Gwynt	25.9	30.7	34.7	35.1	35.1	35.3	35.4	35.4	35.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-14.1	-9.3	-5.3	-4.9	-4.9	-4.7	-4.6	-6.0	-7.6

Table 11O.88: Predicted Cumulative Wind Farm Noise Levels – H56 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.5	26.1	29.2	29.5	29.7	29.6	29.5	29.4	29.3
Calon y Gwynt	26.8	31.6	35.5	35.3	35.3	36.3	36.5	36.6	36.6
Cumulative with Calon y Gwynt	27.9	32.7	36.4	36.3	36.3	37.2	37.3	37.3	37.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-12.1	-7.3	-3.6	-3.7	-3.7	-2.8	-2.7	-4.1	-5.7

1.12 RECEPTOR H57

Table 11O.89: Predicted Cumulative Wind Farm Noise Levels – H57 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.9	26.3	29.7	30.1	30.2	30.1	29.9	29.7	29.7
Calon y Gwynt	27.3	32.1	35.6	35.4	35.1	36.7	36.9	37.1	37.1
Cumulative with Calon y Gwynt	28.4	33.1	36.6	36.5	36.3	37.6	37.7	37.9	37.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-11.6	-6.9	-3.4	-3.5	-3.7	-2.4	-2.3	-3.5	-5.1

Table 11O.90: Predicted Cumulative Wind Farm Noise Levels – H57 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.9	26.3	29.6	29.9	30.0	30.1	29.9	29.7	29.7
Calon y Gwynt	27.3	32.1	36.3	36.5	36.5	37.0	37.0	37.1	37.1
Cumulative with Calon y Gwynt	28.4	33.1	37.1	37.4	37.4	37.8	37.8	37.9	37.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-11.6	-6.9	-2.9	-2.6	-2.6	-2.2	-2.2	-3.5	-5.1

Table 11O.91: Predicted Cumulative Wind Farm Noise Levels – H57 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.0	25.1	28.6	29.0	29.2	29.1	28.9	28.7	28.7
Calon y Gwynt	27.0	31.8	35.9	36.3	36.3	36.4	36.7	36.8	36.8
Cumulative with Calon y Gwynt	27.9	32.6	36.6	37.0	37.0	37.2	37.4	37.4	37.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-12.1	-7.4	-3.4	-3.0	-3.0	-2.8	-2.6	-4.0	-5.6

Table 11O.92: Predicted Cumulative Wind Farm Noise Levels – H57 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.7	22.6	26.2	27.2	27.5	27.3	26.9	26.6	26.5
Calon y Gwynt	25.2	30.0	34.3	34.7	34.7	34.8	35.0	35.0	35.0
Cumulative with Calon y Gwynt	26.0	30.7	34.9	35.4	35.4	35.5	35.6	35.5	35.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-14.0	-9.3	-5.1	-4.6	-4.6	-4.5	-4.4	-5.9	-7.5

Table 11O.93: Predicted Cumulative Wind Farm Noise Levels – H57 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.7	19.8	23.3	24.2	24.4	24.3	23.9	23.7	23.6
Calon y Gwynt	22.7	27.5	31.8	32.2	32.2	32.3	32.4	32.5	32.5
Cumulative with Calon y Gwynt	23.5	28.2	32.4	32.8	32.9	32.9	33.0	33.0	33.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-16.5	-11.8	-7.6	-7.2	-7.1	-7.1	-7.0	-8.4	-10.0

Table 11O.94: Predicted Cumulative Wind Farm Noise Levels – H57 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.1	20.7	23.9	24.3	24.5	24.4	24.2	24.1	24.1
Calon y Gwynt	22.7	27.5	31.8	32.2	32.2	32.3	32.4	32.5	32.5
Cumulative with Calon y Gwynt	23.5	28.3	32.4	32.8	32.9	33.0	33.0	33.1	33.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-16.5	-11.7	-7.6	-7.2	-7.1	-7.0	-7.0	-8.3	-9.9

Table 11O.95: Predicted Cumulative Wind Farm Noise Levels – H57 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.4	24.0	27.1	27.1	27.4	27.3	27.2	27.2	27.1
Calon y Gwynt	25.0	29.8	33.9	34.4	34.4	34.7	34.7	34.8	34.8
Cumulative with Calon y Gwynt	26.0	30.8	34.7	35.1	35.2	35.4	35.4	35.5	35.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-14.0	-9.2	-5.3	-4.9	-4.8	-4.6	-4.6	-5.9	-7.5

Table 11O.96: Predicted Cumulative Wind Farm Noise Levels – H57 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.5	26.1	29.2	29.5	29.7	29.7	29.5	29.4	29.3
Calon y Gwynt	26.9	31.7	35.6	35.3	35.3	36.5	36.6	36.7	36.7
Cumulative with Calon y Gwynt	28.0	32.8	36.5	36.3	36.4	37.3	37.4	37.5	37.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	43.0
Compliance	-12.0	-7.2	-3.5	-3.7	-3.6	-2.7	-2.6	-3.9	-5.5

1.13 RECEPTOR H58

Table 11O.97: Predicted Cumulative Wind Farm Noise Levels – H58 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.6	25.0	28.4	28.8	28.9	28.8	28.6	28.5	28.4
Calon y Gwynt	23.9	28.7	32.4	32.2	32.0	33.3	33.5	33.7	33.7
Cumulative with Calon y Gwynt	25.6	30.3	33.8	33.8	33.7	34.7	34.7	34.9	34.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.4	-9.7	-6.2	-6.2	-6.3	-5.7	-8.4	-10.9	-13.6

Table 11O.98: Predicted Cumulative Wind Farm Noise Levels – H58 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.6	25.0	28.3	28.6	28.7	28.7	28.6	28.5	28.4
Calon y Gwynt	23.9	28.7	32.9	33.2	33.1	33.6	33.6	33.7	33.7
Cumulative with Calon y Gwynt	25.6	30.3	34.2	34.5	34.5	34.8	34.8	34.9	34.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.4	-9.7	-5.8	-5.5	-5.5	-5.6	-8.3	-10.9	-13.6

Table 11O.99: Predicted Cumulative Wind Farm Noise Levels – H58 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.9	24.1	27.6	27.8	28.0	28.0	27.8	27.6	27.6
Calon y Gwynt	23.9	28.7	32.8	33.1	33.1	33.3	33.7	33.7	33.7
Cumulative with Calon y Gwynt	25.4	30.0	33.9	34.2	34.2	34.4	34.7	34.7	34.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.6	-10.0	-6.1	-5.8	-5.8	-6.0	-8.4	-11.1	-13.8

Table 11O.100: Predicted Cumulative Wind Farm Noise Levels – H58 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.7	21.7	25.2	26.0	26.2	26.2	25.8	25.6	25.5
Calon y Gwynt	21.7	26.5	30.7	31.1	31.1	31.2	31.5	31.5	31.5
Cumulative with Calon y Gwynt	23.1	27.7	31.8	32.3	32.3	32.4	32.5	32.5	32.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.9	-12.3	-8.2	-7.7	-7.7	-8.0	-10.6	-13.3	-16.0

Table 11O.101: Predicted Cumulative Wind Farm Noise Levels – H58 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.6	18.8	22.2	23.0	23.2	23.1	22.8	22.6	22.5
Calon y Gwynt	17.4	22.2	26.4	26.6	26.6	26.8	27.1	27.2	27.2
Cumulative with Calon y Gwynt	19.2	23.8	27.8	28.2	28.3	28.4	28.5	28.5	28.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.8	-16.2	-12.2	-11.8	-11.7	-12.0	-14.6	-17.3	-20.0

Table 11O.102: Predicted Cumulative Wind Farm Noise Levels – H58 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.7	19.3	22.5	22.9	23.1	23.1	22.9	22.8	22.7
Calon y Gwynt	16.3	21.1	25.4	25.5	25.5	25.8	26.0	26.1	26.1
Cumulative with Calon y Gwynt	18.6	23.3	27.2	27.4	27.5	27.7	27.7	27.8	27.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.4	-16.7	-12.8	-12.6	-12.5	-12.7	-15.4	-18.0	-20.7

Table 11O.103: Predicted Cumulative Wind Farm Noise Levels – H58 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.9	22.6	25.7	25.8	26.1	26.1	26.0	25.9	25.9
Calon y Gwynt	19.7	24.5	28.6	29.0	29.0	29.3	29.4	29.5	29.5
Cumulative with Calon y Gwynt	21.9	26.7	30.4	30.7	30.8	31.0	31.0	31.1	31.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.1	-13.3	-9.6	-9.3	-9.2	-9.4	-12.1	-14.7	-17.4

Table 11O.104: Predicted Cumulative Wind Farm Noise Levels – H58 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.2	24.8	27.9	28.3	28.5	28.4	28.2	28.1	28.1
Calon y Gwynt	23.4	28.2	32.2	32.1	32.1	33.0	33.1	33.2	33.2
Cumulative with Calon y Gwynt	25.1	29.9	33.6	33.6	33.7	34.3	34.3	34.4	34.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.9	-10.1	-6.4	-6.4	-6.3	-6.1	-8.8	-11.4	-14.1

1.14 RECEPTOR H59

Table 11O.105: Predicted Cumulative Wind Farm Noise Levels – H59 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.5	25.0	28.4	28.7	28.9	28.8	28.6	28.5	28.4
Calon y Gwynt	23.7	28.5	32.2	32.1	31.8	33.2	33.3	33.5	33.5
Cumulative with Calon y Gwynt	25.4	30.1	33.7	33.7	33.6	34.5	34.6	34.7	34.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.6	-9.9	-6.3	-6.3	-6.4	-5.9	-8.5	-11.1	-13.8

Table 11O.106: Predicted Cumulative Wind Farm Noise Levels – H59 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.5	25.0	28.3	28.5	28.7	28.7	28.6	28.5	28.4
Calon y Gwynt	23.7	28.5	32.7	33.0	32.9	33.4	33.4	33.5	33.5
Cumulative with Calon y Gwynt	25.4	30.1	34.0	34.3	34.3	34.6	34.7	34.7	34.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.6	-9.9	-6.0	-5.7	-5.7	-5.8	-8.4	-11.1	-13.8

Table 11O.107: Predicted Cumulative Wind Farm Noise Levels – H59 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.0	24.3	27.7	27.8	28.0	28.0	27.9	27.7	27.7
Calon y Gwynt	23.7	28.5	32.5	32.8	32.8	33.0	33.5	33.5	33.5
Cumulative with Calon y Gwynt	25.2	29.9	33.8	34.0	34.0	34.2	34.6	34.5	34.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.8	-10.1	-6.2	-6.0	-6.0	-6.2	-8.5	-11.3	-14.0

Table 11O.108: Predicted Cumulative Wind Farm Noise Levels – H59 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.7	21.8	25.3	26.0	26.3	26.2	25.9	25.6	25.6
Calon y Gwynt	21.5	26.3	30.5	30.9	30.9	31.1	31.3	31.3	31.3
Cumulative with Calon y Gwynt	23.1	27.6	31.7	32.1	32.2	32.3	32.4	32.4	32.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.9	-12.4	-8.3	-7.9	-7.8	-8.1	-10.7	-13.4	-16.1

Table 11O.109: Predicted Cumulative Wind Farm Noise Levels – H59 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.6	18.8	22.2	23.0	23.3	23.1	22.8	22.6	22.6
Calon y Gwynt	17.4	22.2	26.4	26.6	26.6	26.8	27.1	27.2	27.2
Cumulative with Calon y Gwynt	19.2	23.8	27.8	28.2	28.3	28.4	28.5	28.5	28.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.8	-16.2	-12.2	-11.8	-11.7	-12.0	-14.6	-17.3	-20.0

Table 11O.110: Predicted Cumulative Wind Farm Noise Levels – H59 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.6	19.2	22.4	22.9	23.1	23.0	22.8	22.7	22.7
Calon y Gwynt	15.9	20.7	24.9	25.0	25.0	25.4	25.6	25.7	25.7
Cumulative with Calon y Gwynt	18.3	23.0	26.9	27.1	27.2	27.4	27.4	27.5	27.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.7	-17.0	-13.1	-12.9	-12.8	-13.0	-15.7	-18.3	-21.0

Table 11O.111: Predicted Cumulative Wind Farm Noise Levels – H59 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.9	22.6	25.7	25.8	26.1	26.0	25.9	25.9	25.9
Calon y Gwynt	18.9	23.7	27.8	28.2	28.2	28.5	28.6	28.7	28.7
Cumulative with Calon y Gwynt	21.4	26.2	29.9	30.2	30.3	30.5	30.5	30.5	30.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.6	-13.8	-10.1	-9.8	-9.7	-9.9	-12.6	-15.3	-18.0

Table 11O.112: Predicted Cumulative Wind Farm Noise Levels – H59 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.2	24.8	27.9	28.2	28.4	28.4	28.2	28.1	28.1
Calon y Gwynt	22.6	27.4	31.3	31.4	31.4	32.2	32.3	32.4	32.4
Cumulative with Calon y Gwynt	24.6	29.3	33.0	33.1	33.1	33.7	33.7	33.8	33.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.4	-10.7	-7.0	-6.9	-6.9	-6.7	-9.4	-12.0	-14.7

1.15 RECEPTOR H60

Table 11O.113: Predicted Cumulative Wind Farm Noise Levels – H60 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.5	25.0	28.4	28.6	28.8	28.7	28.5	28.4	28.4
Calon y Gwynt	23.2	28.0	31.7	31.7	31.4	32.7	32.9	33.0	33.0
Cumulative with Calon y Gwynt	25.1	29.8	33.4	33.4	33.3	34.1	34.2	34.3	34.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.9	-10.2	-6.6	-6.6	-6.7	-6.3	-8.9	-11.5	-14.2

Table 11O.114: Predicted Cumulative Wind Farm Noise Levels – H60 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.5	25.0	28.2	28.5	28.6	28.6	28.5	28.4	28.4
Calon y Gwynt	23.2	28.0	32.2	32.5	32.5	32.9	32.9	33.0	33.0
Cumulative with Calon y Gwynt	25.1	29.8	33.7	34.0	34.0	34.3	34.3	34.3	34.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.9	-10.2	-6.3	-6.0	-6.0	-6.1	-8.8	-11.5	-14.2

Table 11O.115: Predicted Cumulative Wind Farm Noise Levels – H60 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.1	24.5	27.9	28.0	28.1	28.1	28.1	27.9	27.9
Calon y Gwynt	23.2	28.0	32.0	32.3	32.3	32.5	33.0	33.0	33.0
Cumulative with Calon y Gwynt	25.0	29.6	33.4	33.7	33.7	33.8	34.2	34.2	34.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.0	-10.4	-6.6	-6.3	-6.3	-6.6	-8.9	-11.6	-14.3

Table 11O.116: Predicted Cumulative Wind Farm Noise Levels – H60 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.8	21.9	25.4	26.0	26.2	26.1	25.9	25.6	25.6
Calon y Gwynt	21.6	26.4	30.6	30.9	30.9	31.1	31.4	31.4	31.4
Cumulative with Calon y Gwynt	23.1	27.7	31.7	32.1	32.1	32.3	32.5	32.4	32.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.9	-12.3	-8.3	-7.9	-7.9	-8.1	-10.6	-13.4	-16.1

Table 11O.117: Predicted Cumulative Wind Farm Noise Levels – H60 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.6	18.8	22.2	23.0	23.2	23.1	22.8	22.6	22.5
Calon y Gwynt	17.3	22.1	26.2	26.5	26.5	26.7	27.0	27.1	27.1
Cumulative with Calon y Gwynt	19.1	23.8	27.7	28.1	28.1	28.2	28.4	28.4	28.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.9	-16.2	-12.3	-11.9	-11.9	-12.2	-14.7	-17.4	-20.1

Table 11O.118: Predicted Cumulative Wind Farm Noise Levels – H60 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.5	19.1	22.3	22.7	22.9	22.8	22.7	22.6	22.5
Calon y Gwynt	15.2	20.0	24.2	24.3	24.3	24.7	24.9	25.0	25.0
Cumulative with Calon y Gwynt	17.9	22.6	26.4	26.6	26.7	26.8	26.9	27.0	27.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-22.1	-17.4	-13.6	-13.4	-13.3	-13.6	-16.2	-18.8	-21.5

Table 11O.119: Predicted Cumulative Wind Farm Noise Levels – H60 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.8	22.5	25.5	25.7	26.0	26.0	25.9	25.8	25.8
Calon y Gwynt	17.6	22.4	26.5	26.9	26.9	27.2	27.3	27.4	27.4
Cumulative with Calon y Gwynt	20.7	25.5	29.0	29.4	29.5	29.7	29.7	29.7	29.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.3	-14.5	-11.0	-10.6	-10.5	-10.7	-13.4	-16.1	-18.8

Table 11O.120: Predicted Cumulative Wind Farm Noise Levels – H60 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.2	24.8	27.9	28.2	28.3	28.3	28.2	28.1	28.1
Calon y Gwynt	22.1	26.9	30.8	30.9	30.9	31.7	31.8	31.9	31.9
Cumulative with Calon y Gwynt	24.2	29.0	32.6	32.8	32.8	33.3	33.3	33.4	33.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.8	-11.0	-7.4	-7.2	-7.2	-7.1	-9.8	-12.4	-15.1

1.16 RECEPTOR H61

Table 11O.121: Predicted Cumulative Wind Farm Noise Levels – H61 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.3	24.9	28.2	28.5	28.6	28.5	28.4	28.2	28.2
Calon y Gwynt	22.6	27.4	31.1	31.0	30.8	32.0	32.2	32.4	32.4
Cumulative with Calon y Gwynt	24.6	29.3	32.9	32.9	32.8	33.6	33.7	33.8	33.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.4	-10.7	-7.1	-7.1	-7.2	-6.8	-9.4	-12.0	-14.7

Table 11O.122: Predicted Cumulative Wind Farm Noise Levels – H61 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.3	24.9	28.1	28.3	28.4	28.4	28.4	28.2	28.2
Calon y Gwynt	22.6	27.4	31.5	31.9	31.8	32.2	32.3	32.4	32.4
Cumulative with Calon y Gwynt	24.6	29.3	33.2	33.4	33.4	33.7	33.8	33.8	33.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.4	-10.7	-6.8	-6.6	-6.6	-6.7	-9.3	-12.0	-14.7

Table 11O.123: Predicted Cumulative Wind Farm Noise Levels – H61 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.0	24.6	27.8	28.0	28.1	28.1	28.0	27.9	27.9
Calon y Gwynt	22.6	27.4	31.3	31.6	31.6	31.8	32.4	32.4	32.4
Cumulative with Calon y Gwynt	24.5	29.2	32.9	33.2	33.2	33.4	33.7	33.7	33.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.5	-10.8	-7.1	-6.8	-6.8	-7.0	-9.4	-12.1	-14.8

Table 11O.124: Predicted Cumulative Wind Farm Noise Levels – H61 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.7	21.9	25.4	25.9	26.1	26.0	25.8	25.6	25.5
Calon y Gwynt	20.9	25.7	29.9	30.2	30.2	30.4	30.7	30.7	30.7
Cumulative with Calon y Gwynt	22.6	27.2	31.2	31.6	31.6	31.7	31.9	31.9	31.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.4	-12.8	-8.8	-8.4	-8.4	-8.7	-11.2	-13.9	-16.6

Table 11O.125: Predicted Cumulative Wind Farm Noise Levels – H61 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.5	18.8	22.2	22.9	23.1	23.0	22.7	22.5	22.5
Calon y Gwynt	16.9	21.7	25.8	26.0	26.0	26.2	26.6	26.7	26.7
Cumulative with Calon y Gwynt	18.8	23.5	27.4	27.7	27.8	27.9	28.1	28.1	28.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.2	-16.5	-12.6	-12.3	-12.2	-12.5	-15.0	-17.7	-20.4

Table 11O.126: Predicted Cumulative Wind Farm Noise Levels – H61 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.3	18.9	22.1	22.5	22.7	22.6	22.5	22.4	22.3
Calon y Gwynt	14.4	19.2	23.4	23.4	23.4	23.8	24.1	24.2	24.2
Cumulative with Calon y Gwynt	17.3	22.1	25.8	26.0	26.1	26.3	26.3	26.4	26.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-22.7	-17.9	-14.2	-14.0	-13.9	-14.1	-16.8	-19.4	-22.1

Table 11O.127: Predicted Cumulative Wind Farm Noise Levels – H61 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.5	22.3	25.2	25.5	25.7	25.7	25.6	25.6	25.6
Calon y Gwynt	16.5	21.3	25.3	25.6	25.6	26.0	26.1	26.3	26.3
Cumulative with Calon y Gwynt	20.0	24.8	28.3	28.6	28.7	28.9	28.9	28.9	28.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.0	-15.2	-11.7	-11.4	-11.3	-11.5	-14.2	-16.9	-19.6

Table 11O.128: Predicted Cumulative Wind Farm Noise Levels – H61 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.0	24.7	27.7	28.0	28.2	28.1	28.0	27.9	27.9
Calon y Gwynt	20.8	25.6	29.5	29.5	29.5	30.3	30.5	30.6	30.6
Cumulative with Calon y Gwynt	23.4	28.2	31.7	31.8	31.9	32.4	32.4	32.5	32.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.6	-11.8	-8.3	-8.2	-8.1	-8.0	-10.7	-13.3	-16.0

1.17 RECEPTOR H62

Table 11O.129: Predicted Cumulative Wind Farm Noise Levels – H62 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.1	24.7	28.0	28.3	28.4	28.3	28.2	28.1	28.0
Calon y Gwynt	22.1	26.9	30.6	30.6	30.3	31.6	31.8	31.9	31.9
Cumulative with Calon y Gwynt	24.3	29.0	32.5	32.6	32.5	33.3	33.3	33.4	33.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.7	-11.0	-7.5	-7.4	-7.5	-7.1	-9.8	-12.4	-15.1

Table 11O.130: Predicted Cumulative Wind Farm Noise Levels – H62 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.1	24.7	27.9	28.1	28.2	28.3	28.2	28.1	28.0
Calon y Gwynt	22.1	26.9	31.1	31.4	31.4	31.8	31.8	31.9	31.9
Cumulative with Calon y Gwynt	24.3	29.0	32.8	33.1	33.1	33.4	33.4	33.4	33.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.7	-11.0	-7.2	-6.9	-6.9	-7.0	-9.7	-12.4	-15.1

Table 11O.131: Predicted Cumulative Wind Farm Noise Levels – H62 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.9	24.4	27.6	27.8	27.9	27.9	27.9	27.7	27.7
Calon y Gwynt	22.1	26.9	30.9	31.2	31.2	31.4	31.9	31.9	31.9
Cumulative with Calon y Gwynt	24.2	28.8	32.6	32.8	32.8	33.0	33.4	33.3	33.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.8	-11.2	-7.4	-7.2	-7.2	-7.4	-9.7	-12.5	-15.2

Table 11O.132: Predicted Cumulative Wind Farm Noise Levels – H62 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.6	21.8	25.2	25.7	25.9	25.9	25.7	25.5	25.4
Calon y Gwynt	20.5	25.3	29.4	29.8	29.7	30.0	30.3	30.3	30.3
Cumulative with Calon y Gwynt	22.3	26.9	30.8	31.2	31.2	31.4	31.6	31.5	31.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.7	-13.1	-9.2	-8.8	-8.8	-9.0	-11.5	-14.3	-17.0

Table 11O.133: Predicted Cumulative Wind Farm Noise Levels – H62 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.3	18.6	22.0	22.7	22.9	22.8	22.6	22.4	22.3
Calon y Gwynt	16.4	21.2	25.4	25.6	25.6	25.8	26.1	26.2	26.2
Cumulative with Calon y Gwynt	18.5	23.1	27.0	27.4	27.5	27.6	27.7	27.7	27.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.5	-16.9	-13.0	-12.6	-12.5	-12.8	-15.4	-18.1	-20.8

Table 11O.134: Predicted Cumulative Wind Farm Noise Levels – H62 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.1	18.7	21.9	22.4	22.5	22.5	22.3	22.2	22.2
Calon y Gwynt	14.0	18.8	23.0	23.0	23.0	23.4	23.7	23.8	23.8
Cumulative with Calon y Gwynt	17.1	21.8	25.5	25.7	25.8	26.0	26.0	26.1	26.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-22.9	-18.2	-14.5	-14.3	-14.2	-14.4	-17.1	-19.7	-22.4

Table 11O.135: Predicted Cumulative Wind Farm Noise Levels – H62 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.3	22.1	25.0	25.3	25.5	25.5	25.4	25.4	25.4
Calon y Gwynt	16.0	20.8	24.8	25.2	25.2	25.6	25.7	25.8	25.8
Cumulative with Calon y Gwynt	19.7	24.5	27.9	28.2	28.4	28.6	28.6	28.6	28.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.3	-15.5	-12.1	-11.8	-11.6	-11.8	-14.5	-17.2	-19.9

Table 11O.136: Predicted Cumulative Wind Farm Noise Levels – H62 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.8	24.5	27.6	27.8	28.0	27.9	27.8	27.8	27.7
Calon y Gwynt	20.3	25.1	29.0	29.0	29.0	29.9	30.0	30.1	30.1
Cumulative with Calon y Gwynt	23.1	27.8	31.4	31.5	31.5	32.0	32.1	32.1	32.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.9	-12.2	-8.6	-8.5	-8.5	-8.4	-11.0	-13.7	-16.4

1.18 RECEPTOR H63

Table 11O.137: Predicted Cumulative Wind Farm Noise Levels – H63 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.8	25.9	29.4	30.1	30.3	30.2	29.9	29.6	29.6
Calon y Gwynt	26.7	31.5	34.1	33.8	33.6	35.6	36.0	36.5	36.5
Cumulative with Calon y Gwynt	27.9	32.5	35.4	35.4	35.3	36.7	37.0	37.3	37.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.1	-7.5	-4.6	-4.6	-4.7	-3.7	-6.1	-8.5	-11.2

Table 11O.138: Predicted Cumulative Wind Farm Noise Levels – H63 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.8	25.9	29.3	30.0	30.2	30.1	29.9	29.6	29.6
Calon y Gwynt	26.7	31.5	35.3	35.3	35.1	36.1	36.3	36.5	36.5
Cumulative with Calon y Gwynt	27.9	32.5	36.3	36.4	36.3	37.1	37.2	37.3	37.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.1	-7.5	-3.7	-3.6	-3.7	-3.3	-5.9	-8.5	-11.2

Table 11O.139: Predicted Cumulative Wind Farm Noise Levels – H63 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.6	24.5	28.1	29.0	29.3	29.2	28.8	28.5	28.5
Calon y Gwynt	25.4	30.2	34.3	34.5	34.5	34.9	35.2	35.2	35.2
Cumulative with Calon y Gwynt	26.7	31.3	35.2	35.6	35.7	35.9	36.1	36.1	36.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.3	-8.7	-4.8	-4.4	-4.3	-4.5	-7.0	-9.7	-12.4

Table 11O.140: Predicted Cumulative Wind Farm Noise Levels – H63 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.9	21.5	25.2	26.5	26.8	26.6	26.2	25.8	25.7
Calon y Gwynt	22.4	27.2	31.5	32.0	31.9	32.1	32.2	32.2	32.2
Cumulative with Calon y Gwynt	23.7	28.3	32.4	33.1	33.1	33.2	33.2	33.1	33.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.3	-11.7	-7.6	-6.9	-6.9	-7.2	-9.9	-12.7	-15.4

Table 11O.141: Predicted Cumulative Wind Farm Noise Levels – H63 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.5	19.4	23.0	24.1	24.3	24.2	23.8	23.5	23.4
Calon y Gwynt	20.1	24.9	29.2	29.5	29.5	29.6	29.8	29.9	29.9
Cumulative with Calon y Gwynt	21.4	26.0	30.1	30.6	30.6	30.7	30.8	30.8	30.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.6	-14.0	-9.9	-9.4	-9.4	-9.7	-12.3	-15.0	-17.7

Table 11O.142: Predicted Cumulative Wind Farm Noise Levels – H63 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.4	20.8	24.1	24.6	24.8	24.7	24.5	24.3	24.3
Calon y Gwynt	22.1	26.9	31.1	31.4	31.4	31.6	31.7	31.9	31.9
Cumulative with Calon y Gwynt	23.1	27.8	31.9	32.2	32.3	32.4	32.5	32.6	32.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.9	-12.2	-8.1	-7.8	-7.7	-8.0	-10.6	-13.2	-15.9

Table 11O.143: Predicted Cumulative Wind Farm Noise Levels – H63 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.4	23.9	27.1	27.3	27.6	27.6	27.4	27.3	27.2
Calon y Gwynt	25.3	30.1	33.7	33.9	33.9	34.8	34.9	35.1	35.1
Cumulative with Calon y Gwynt	26.3	31.0	34.6	34.8	34.8	35.6	35.6	35.7	35.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.7	-9.0	-5.4	-5.2	-5.2	-4.8	-7.5	-10.1	-12.8

Table 11O.144: Predicted Cumulative Wind Farm Noise Levels – H63 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.1	25.5	28.7	29.3	29.5	29.4	29.2	29.0	28.9
Calon y Gwynt	26.6	31.4	34.4	33.9	33.9	35.6	36.0	36.4	36.4
Cumulative with Calon y Gwynt	27.7	32.4	35.4	35.2	35.2	36.5	36.8	37.1	37.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.3	-7.6	-4.6	-4.8	-4.8	-3.9	-6.3	-8.7	-11.4

1.19 RECEPTOR H64

Table 11O.145: Predicted Cumulative Wind Farm Noise Levels – H64 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.7	25.8	29.3	30.0	30.3	30.1	29.8	29.6	29.5
Calon y Gwynt	26.5	31.3	33.9	33.7	33.4	35.4	35.8	36.3	36.3
Cumulative with Calon y Gwynt	27.7	32.4	35.2	35.2	35.1	36.5	36.8	37.1	37.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.3	-7.6	-4.8	-4.8	-4.9	-3.9	-6.3	-8.7	-11.4

Table 11O.146: Predicted Cumulative Wind Farm Noise Levels – H64 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.7	25.8	29.2	29.9	30.1	30.1	29.8	29.6	29.5
Calon y Gwynt	26.5	31.3	35.1	35.1	34.9	35.9	36.1	36.3	36.3
Cumulative with Calon y Gwynt	27.7	32.4	36.1	36.3	36.2	36.9	37.0	37.1	37.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.3	-7.6	-3.9	-3.7	-3.8	-3.5	-6.1	-8.7	-11.4

Table 11O.147: Predicted Cumulative Wind Farm Noise Levels – H64 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.6	24.4	28.0	29.0	29.3	29.2	28.8	28.5	28.4
Calon y Gwynt	24.6	29.4	33.4	33.6	33.6	34.0	34.4	34.4	34.4
Cumulative with Calon y Gwynt	26.1	30.6	34.5	34.9	34.9	35.3	35.4	35.4	35.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.9	-9.4	-5.5	-5.1	-5.1	-5.1	-7.7	-10.4	-13.1

Table 11O.148: Predicted Cumulative Wind Farm Noise Levels – H64 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.8	21.5	25.2	26.4	26.8	26.6	26.1	25.8	25.7
Calon y Gwynt	21.9	26.7	31.0	31.5	31.3	31.6	31.7	31.7	31.7
Cumulative with Calon y Gwynt	23.3	27.8	32.0	32.6	32.6	32.8	32.8	32.7	32.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.7	-12.2	-8.0	-7.4	-7.4	-7.6	-10.3	-13.1	-15.8

Table 11O.149: Predicted Cumulative Wind Farm Noise Levels – H64 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.4	19.4	22.9	24.0	24.2	24.1	23.7	23.4	23.3
Calon y Gwynt	19.7	24.5	28.7	29.0	29.0	29.1	29.3	29.5	29.5
Cumulative with Calon y Gwynt	21.0	25.6	29.7	30.2	30.2	30.3	30.4	30.4	30.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.0	-14.4	-10.3	-9.8	-9.8	-10.1	-12.7	-15.4	-18.1

Table 11O.150: Predicted Cumulative Wind Farm Noise Levels – H64 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.3	20.8	24.1	24.6	24.8	24.7	24.5	24.3	24.3
Calon y Gwynt	21.8	26.6	30.9	31.2	31.2	31.4	31.5	31.6	31.6
Cumulative with Calon y Gwynt	22.9	27.6	31.7	32.0	32.1	32.2	32.3	32.4	32.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.1	-12.4	-8.3	-8.0	-7.9	-8.2	-10.8	-13.4	-16.1

Table 11O.151: Predicted Cumulative Wind Farm Noise Levels – H64 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.3	23.9	27.0	27.3	27.6	27.5	27.4	27.2	27.2
Calon y Gwynt	24.9	29.7	33.4	33.6	33.6	34.5	34.6	34.7	34.7
Cumulative with Calon y Gwynt	26.0	30.7	34.3	34.5	34.6	35.3	35.3	35.5	35.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.0	-9.3	-5.7	-5.5	-5.4	-5.1	-7.8	-10.3	-13.1

Table 11O.152: Predicted Cumulative Wind Farm Noise Levels – H64 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.1	25.4	28.6	29.2	29.4	29.3	29.1	28.9	28.8
Calon y Gwynt	26.4	31.2	34.2	33.8	33.7	35.4	35.8	36.2	36.2
Cumulative with Calon y Gwynt	27.5	32.2	35.2	35.1	35.1	36.4	36.6	36.9	36.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.5	-7.8	-4.8	-4.9	-4.9	-4.0	-6.5	-8.9	-11.6

1.20 RECEPTOR H65

Table 11O.153: Predicted Cumulative Wind Farm Noise Levels – H65 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.3	25.5	29.0	29.7	29.9	29.8	29.5	29.2	29.2
Calon y Gwynt	25.7	30.5	33.1	32.9	32.6	34.5	35.0	35.5	35.5
Cumulative with Calon y Gwynt	27.1	31.7	34.5	34.6	34.5	35.8	36.1	36.4	36.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.9	-8.3	-5.5	-5.4	-5.5	-4.6	-7.0	-9.4	-12.1

Table 11O.154: Predicted Cumulative Wind Farm Noise Levels – H65 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.3	25.5	28.9	29.6	29.8	29.7	29.5	29.2	29.2
Calon y Gwynt	25.7	30.5	34.2	34.2	34.0	35.1	35.2	35.5	35.5
Cumulative with Calon y Gwynt	27.1	31.7	35.3	35.5	35.4	36.2	36.2	36.4	36.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.9	-8.3	-4.7	-4.5	-4.6	-4.2	-6.9	-9.4	-12.1

Table 11O.155: Predicted Cumulative Wind Farm Noise Levels – H65 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.2	24.1	27.6	28.6	28.9	28.8	28.4	28.1	28.0
Calon y Gwynt	23.8	28.6	32.5	32.6	32.6	33.2	33.5	33.6	33.6
Cumulative with Calon y Gwynt	25.4	29.9	33.7	34.0	34.1	34.6	34.7	34.7	34.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.6	-10.1	-6.3	-6.0	-5.9	-5.8	-8.4	-11.1	-13.8

Table 11O.156: Predicted Cumulative Wind Farm Noise Levels – H65 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.4	21.1	24.8	26.1	26.4	26.2	25.8	25.4	25.3
Calon y Gwynt	20.6	25.4	29.7	30.1	29.9	30.3	30.4	30.4	30.4
Cumulative with Calon y Gwynt	22.3	26.8	30.9	31.6	31.5	31.7	31.7	31.6	31.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.7	-13.2	-9.1	-8.4	-8.5	-8.7	-11.4	-14.2	-16.9

Table 11O.157: Predicted Cumulative Wind Farm Noise Levels – H65 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.0	19.0	22.5	23.5	23.8	23.6	23.3	23.0	22.9
Calon y Gwynt	18.5	23.3	27.5	27.6	27.6	27.9	28.1	28.3	28.3
Cumulative with Calon y Gwynt	20.1	24.6	28.7	29.1	29.1	29.3	29.3	29.4	29.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.9	-15.4	-11.3	-10.9	-10.9	-11.1	-13.8	-16.4	-19.1

Table 11O.158: Predicted Cumulative Wind Farm Noise Levels – H65 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.2	20.6	23.9	24.4	24.6	24.5	24.3	24.1	24.1
Calon y Gwynt	21.2	26.0	30.2	30.4	30.4	30.7	30.8	31.0	31.0
Cumulative with Calon y Gwynt	22.3	27.1	31.1	31.3	31.4	31.6	31.7	31.8	31.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.7	-12.9	-8.9	-8.7	-8.6	-8.8	-11.4	-14.0	-16.7

Table 11O.159: Predicted Cumulative Wind Farm Noise Levels – H65 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.2	23.7	26.9	27.1	27.4	27.4	27.2	27.1	27.1
Calon y Gwynt	24.1	28.9	32.5	32.7	32.7	33.6	33.7	33.9	33.9
Cumulative with Calon y Gwynt	25.3	30.1	33.5	33.8	33.8	34.5	34.6	34.7	34.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.7	-9.9	-6.5	-6.2	-6.2	-5.9	-8.5	-11.1	-13.8

Table 11O.160: Predicted Cumulative Wind Farm Noise Levels – H65 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.7	25.0	28.3	28.9	29.1	29.0	28.8	28.6	28.5
Calon y Gwynt	25.5	30.3	33.3	32.9	32.9	34.5	34.9	35.3	35.3
Cumulative with Calon y Gwynt	26.8	31.5	34.5	34.4	34.4	35.6	35.9	36.2	36.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.2	-8.5	-5.5	-5.6	-5.6	-4.8	-7.2	-9.6	-12.3

1.21 RECEPTOR H66

Table 11O.161: Predicted Cumulative Wind Farm Noise Levels – H66 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.2	25.1	28.7	29.7	30.0	29.8	29.4	29.1	29.0
Calon y Gwynt	23.8	28.6	30.7	30.5	30.4	32.3	32.9	33.6	33.6
Cumulative with Calon y Gwynt	25.7	30.2	32.9	33.1	33.2	34.2	34.5	34.9	34.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.3	-9.8	-7.1	-6.9	-6.8	-6.2	-8.6	-10.9	-13.6

Table 11O.162: Predicted Cumulative Wind Farm Noise Levels – H66 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.2	25.1	28.6	29.6	29.9	29.8	29.4	29.1	29.0
Calon y Gwynt	23.5	28.3	31.5	31.4	31.2	32.6	32.8	33.3	33.3
Cumulative with Calon y Gwynt	25.5	30.0	33.3	33.6	33.6	34.4	34.5	34.7	34.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.5	-10.0	-6.7	-6.4	-6.4	-6.0	-8.6	-11.1	-13.8

Table 11O.163: Predicted Cumulative Wind Farm Noise Levels – H66 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.2	23.8	27.5	28.8	29.2	29.0	28.5	28.2	28.0
Calon y Gwynt	21.5	26.3	30.1	30.0	30.0	31.0	31.3	31.3	31.3
Cumulative with Calon y Gwynt	23.9	28.3	32.0	32.5	32.6	33.1	33.1	33.1	33.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.1	-11.7	-8.0	-7.5	-7.4	-7.3	-10.0	-12.7	-15.5

Table 11O.164: Predicted Cumulative Wind Farm Noise Levels – H66 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.5	21.0	24.8	26.4	26.7	26.5	26.0	25.6	25.5
Calon y Gwynt	17.5	22.3	26.5	26.8	26.6	27.0	27.3	27.3	27.3
Cumulative with Calon y Gwynt	20.5	24.7	28.7	29.6	29.7	29.8	29.7	29.5	29.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.5	-15.3	-11.3	-10.4	-10.3	-10.6	-13.4	-16.3	-19.0

Table 11O.165: Predicted Cumulative Wind Farm Noise Levels – H66 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.7	18.6	22.2	23.4	23.7	23.5	23.1	22.8	22.7
Calon y Gwynt	15.9	20.7	24.9	24.8	24.8	25.2	25.5	25.7	25.7
Cumulative with Calon y Gwynt	18.4	22.8	26.8	27.2	27.3	27.4	27.5	27.5	27.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.6	-17.2	-13.2	-12.8	-12.7	-13.0	-15.6	-18.3	-21.0

Table 11O.166: Predicted Cumulative Wind Farm Noise Levels – H66 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.1	20.4	23.8	24.4	24.6	24.5	24.2	24.1	24.0
Calon y Gwynt	19.2	24.0	28.1	28.1	28.1	28.5	28.7	29.0	29.0
Cumulative with Calon y Gwynt	20.9	25.6	29.5	29.6	29.7	30.0	30.1	30.2	30.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.1	-14.4	-10.5	-10.4	-10.3	-10.4	-13.0	-15.6	-18.3

Table 11O.167: Predicted Cumulative Wind Farm Noise Levels – H66 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.3	23.6	26.9	27.3	27.6	27.5	27.3	27.1	27.1
Calon y Gwynt	22.8	27.6	30.7	30.7	30.7	32.0	32.2	32.6	32.6
Cumulative with Calon y Gwynt	24.4	29.1	32.2	32.3	32.4	33.4	33.4	33.7	33.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.6	-10.9	-7.8	-7.7	-7.6	-7.0	-9.7	-12.1	-14.8

Table 11O.168: Predicted Cumulative Wind Farm Noise Levels – H66 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.8	24.8	28.2	29.2	29.5	29.3	28.9	28.7	28.6
Calon y Gwynt	23.8	28.6	31.0	30.7	30.6	32.3	33.1	33.6	33.6
Cumulative with Calon y Gwynt	25.5	30.1	32.9	33.0	33.1	34.1	34.5	34.8	34.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.5	-9.9	-7.1	-7.0	-6.9	-6.3	-8.6	-11.0	-13.7

1.22 RECEPTOR H67

Table 11O.169: Predicted Cumulative Wind Farm Noise Levels – H67 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.7	24.5	28.2	29.3	29.6	29.4	29.0	28.7	28.6
Calon y Gwynt	22.4	27.2	29.5	29.2	29.1	30.9	31.5	32.2	32.2
Cumulative with Calon y Gwynt	24.7	29.1	31.9	32.3	32.3	33.2	33.4	33.8	33.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.3	-10.9	-8.1	-7.7	-7.7	-7.2	-9.7	-12.0	-14.7

Table 11O.170: Predicted Cumulative Wind Farm Noise Levels – H67 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.7	24.5	28.1	29.2	29.5	29.4	29.0	28.6	28.5
Calon y Gwynt	22.1	26.9	30.1	30.0	29.8	31.2	31.5	31.9	31.9
Cumulative with Calon y Gwynt	24.5	28.9	32.2	32.6	32.7	33.4	33.4	33.6	33.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.5	-11.1	-7.8	-7.4	-7.3	-7.0	-9.7	-12.2	-14.9

Table 11O.171: Predicted Cumulative Wind Farm Noise Levels – H67 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.7	23.3	27.0	28.4	28.8	28.6	28.1	27.7	27.6
Calon y Gwynt	20.0	24.8	28.5	28.4	28.4	29.5	29.8	29.8	29.8
Cumulative with Calon y Gwynt	22.9	27.1	30.9	31.4	31.6	32.1	32.0	31.9	31.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.1	-12.9	-9.1	-8.6	-8.4	-8.3	-11.1	-13.9	-16.6

Table 11O.172: Predicted Cumulative Wind Farm Noise Levels – H67 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.0	20.4	24.2	25.9	26.2	26.0	25.5	25.1	24.9
Calon y Gwynt	15.6	20.4	24.6	25.0	24.7	25.2	25.4	25.4	25.4
Cumulative with Calon y Gwynt	19.4	23.4	27.5	28.4	28.6	28.6	28.5	28.3	28.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.6	-16.6	-12.5	-11.6	-11.4	-11.8	-14.6	-17.5	-20.3

Table 11O.173: Predicted Cumulative Wind Farm Noise Levels – H67 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.2	18.1	21.7	22.9	23.2	23.0	22.6	22.3	22.2
Calon y Gwynt	14.6	19.4	23.6	23.6	23.6	23.9	24.3	24.4	24.4
Cumulative with Calon y Gwynt	17.5	21.8	25.8	26.2	26.4	26.5	26.5	26.5	26.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-22.5	-18.2	-14.2	-13.8	-13.6	-13.9	-16.6	-19.3	-22.0

Table 11O.174: Predicted Cumulative Wind Farm Noise Levels – H67 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.7	20.0	23.4	24.0	24.3	24.2	23.9	23.7	23.7
Calon y Gwynt	18.2	23.0	27.1	27.0	27.0	27.5	27.7	28.0	28.0
Cumulative with Calon y Gwynt	20.2	24.8	28.6	28.8	28.9	29.2	29.2	29.4	29.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.8	-15.2	-11.4	-11.2	-11.1	-11.2	-13.9	-16.4	-19.1

Table 11O.175: Predicted Cumulative Wind Farm Noise Levels – H67 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.8	23.1	26.4	27.0	27.3	27.2	26.9	26.7	26.7
Calon y Gwynt	21.7	26.5	29.5	29.6	29.6	30.8	31.0	31.5	31.5
Cumulative with Calon y Gwynt	23.5	28.1	31.3	31.5	31.6	32.4	32.4	32.7	32.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.5	-11.9	-8.7	-8.5	-8.4	-8.0	-10.7	-13.1	-15.8

Table 11O.176: Predicted Cumulative Wind Farm Noise Levels – H67 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.6	24.5	28.0	29.1	29.5	29.3	28.9	28.6	28.5
Calon y Gwynt	22.4	27.2	29.7	29.4	29.4	31.0	31.8	32.2	32.2
Cumulative with Calon y Gwynt	24.6	29.1	31.9	32.3	32.4	33.2	33.6	33.8	33.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.4	-10.9	-8.1	-7.7	-7.6	-7.2	-9.5	-12.0	-14.8

1.23 RECEPTOR H68

Table 11O.177: Predicted Cumulative Wind Farm Noise Levels – H68 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.8	25.5	29.3	30.5	30.8	30.6	30.1	29.8	29.7
Calon y Gwynt	24.9	29.7	31.5	31.3	31.2	33.0	33.7	34.7	34.7
Cumulative with Calon y Gwynt	26.6	31.1	33.5	33.9	34.0	35.0	35.3	35.9	35.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.4	-8.9	-6.5	-6.1	-6.0	-5.4	-7.8	-9.9	-12.7

Table 11O.178: Predicted Cumulative Wind Farm Noise Levels – H68 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.8	25.5	29.2	30.4	30.7	30.5	30.1	29.7	29.6
Calon y Gwynt	24.6	29.4	32.3	32.1	32.0	33.5	33.9	34.4	34.4
Cumulative with Calon y Gwynt	26.5	30.9	34.1	34.4	34.4	35.3	35.4	35.7	35.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.5	-9.1	-5.9	-5.6	-5.6	-5.1	-7.7	-10.1	-12.8

Table 11O.179: Predicted Cumulative Wind Farm Noise Levels – H68 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.8	24.3	28.1	29.6	30.0	29.8	29.3	28.9	28.7
Calon y Gwynt	21.7	26.5	30.2	29.9	29.9	31.1	31.4	31.5	31.5
Cumulative with Calon y Gwynt	24.3	28.6	32.3	32.8	33.0	33.5	33.5	33.4	33.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.7	-11.4	-7.7	-7.2	-7.0	-6.9	-9.6	-12.4	-15.1

Table 11O.180: Predicted Cumulative Wind Farm Noise Levels – H68 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.1	21.4	25.3	27.0	27.4	27.2	26.6	26.2	26.0
Calon y Gwynt	18.0	22.8	27.1	27.4	27.1	27.7	27.8	27.8	27.8
Cumulative with Calon y Gwynt	21.1	25.2	29.3	30.2	30.3	30.4	30.3	30.1	30.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.9	-14.8	-10.7	-9.8	-9.7	-10.0	-12.8	-15.7	-18.5

Table 11O.181: Predicted Cumulative Wind Farm Noise Levels – H68 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.2	19.0	22.6	23.9	24.2	24.0	23.5	23.2	23.1
Calon y Gwynt	17.4	22.2	26.5	26.3	26.3	26.7	27.0	27.2	27.2
Cumulative with Calon y Gwynt	19.5	23.9	28.0	28.3	28.4	28.6	28.6	28.7	28.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.5	-16.1	-12.0	-11.7	-11.6	-11.8	-14.5	-17.1	-19.9

Table 11O.182: Predicted Cumulative Wind Farm Noise Levels – H68 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.8	21.0	24.4	25.1	25.3	25.2	24.9	24.7	24.7
Calon y Gwynt	21.0	25.8	29.8	29.5	29.5	30.2	30.4	30.8	30.8
Cumulative with Calon y Gwynt	22.4	27.1	30.9	30.8	30.9	31.4	31.5	31.8	31.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.6	-12.9	-9.1	-9.2	-9.1	-9.0	-11.6	-14.0	-16.8

Table 11O.183: Predicted Cumulative Wind Farm Noise Levels – H68 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.9	24.1	27.4	28.1	28.4	28.3	28.0	27.8	27.7
Calon y Gwynt	24.1	28.9	31.6	31.6	31.6	33.0	33.2	33.9	33.9
Cumulative with Calon y Gwynt	25.5	30.1	33.0	33.2	33.3	34.3	34.4	34.8	34.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.5	-9.9	-7.0	-6.8	-6.7	-6.1	-8.7	-11.0	-13.7

Table 11O.184: Predicted Cumulative Wind Farm Noise Levels – H68 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.7	25.4	29.0	30.2	30.6	30.4	29.9	29.6	29.5
Calon y Gwynt	24.9	29.7	31.7	31.5	31.4	33.1	34.1	34.7	34.7
Cumulative with Calon y Gwynt	26.6	31.0	33.6	33.9	34.0	35.0	35.5	35.8	35.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.4	-9.0	-6.4	-6.1	-6.0	-5.4	-7.6	-10.0	-12.7

1.24 RECEPTOR H69

Table 11O.185: Predicted Cumulative Wind Farm Noise Levels – H69 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.1	25.9	29.6	30.8	31.1	30.9	30.4	30.1	30.0
Calon y Gwynt	25.7	30.5	32.3	32.1	32.0	33.8	34.6	35.5	35.5
Cumulative with Calon y Gwynt	27.3	31.8	34.2	34.5	34.6	35.6	36.0	36.6	36.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.7	-8.2	-5.8	-5.5	-5.4	-4.8	-7.1	-9.2	-11.9

Table 11O.186: Predicted Cumulative Wind Farm Noise Levels – H69 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.1	25.8	29.5	30.7	31.0	30.8	30.4	30.1	30.0
Calon y Gwynt	25.5	30.3	33.1	33.0	32.8	34.4	34.7	35.3	35.3
Cumulative with Calon y Gwynt	27.1	31.6	34.7	35.0	35.0	36.0	36.1	36.4	36.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.9	-8.4	-5.3	-5.0	-5.0	-4.4	-7.0	-9.4	-12.1

Table 11O.187: Predicted Cumulative Wind Farm Noise Levels – H69 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.2	24.6	28.4	29.9	30.3	30.1	29.6	29.1	29.0
Calon y Gwynt	22.6	27.4	31.1	30.9	30.9	32.0	32.3	32.4	32.4
Cumulative with Calon y Gwynt	25.0	29.2	32.9	33.4	33.6	34.2	34.2	34.1	34.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.0	-10.8	-7.1	-6.6	-6.4	-6.2	-8.9	-11.7	-14.4

Table 11O.188: Predicted Cumulative Wind Farm Noise Levels – H69 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.5	21.8	25.6	27.4	27.8	27.6	27.0	26.5	26.4
Calon y Gwynt	19.3	24.1	28.4	28.8	28.4	29.0	29.1	29.1	29.1
Cumulative with Calon y Gwynt	21.9	26.1	30.3	31.1	31.1	31.3	31.2	31.0	31.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.1	-13.9	-9.7	-8.9	-8.9	-9.1	-11.9	-14.8	-17.5

Table 11O.189: Predicted Cumulative Wind Farm Noise Levels – H69 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.5	19.3	22.9	24.2	24.5	24.3	23.8	23.5	23.4
Calon y Gwynt	18.7	23.5	27.7	27.5	27.5	28.0	28.3	28.5	28.5
Cumulative with Calon y Gwynt	20.4	24.9	29.0	29.2	29.3	29.6	29.6	29.7	29.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.6	-15.1	-11.0	-10.8	-10.7	-10.8	-13.5	-16.1	-18.8

Table 11O.190: Predicted Cumulative Wind Farm Noise Levels – H69 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.1	21.3	24.7	25.3	25.6	25.5	25.2	25.0	24.9
Calon y Gwynt	22.1	26.9	30.9	30.5	30.5	31.2	31.4	31.9	31.9
Cumulative with Calon y Gwynt	23.3	27.9	31.8	31.7	31.7	32.2	32.3	32.7	32.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.7	-12.1	-8.2	-8.3	-8.3	-8.2	-10.8	-13.1	-15.8

Table 11O.191: Predicted Cumulative Wind Farm Noise Levels – H69 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.2	24.4	27.7	28.3	28.6	28.5	28.2	28.0	27.9
Calon y Gwynt	24.9	29.7	32.5	32.4	32.4	33.8	34.0	34.7	34.7
Cumulative with Calon y Gwynt	26.1	30.8	33.7	33.9	34.0	34.9	35.1	35.5	35.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.9	-9.2	-6.3	-6.1	-6.0	-5.5	-8.0	-10.3	-13.0

Table 11O.192: Predicted Cumulative Wind Farm Noise Levels – H69 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.9	25.7	29.3	30.5	30.8	30.6	30.2	29.9	29.8
Calon y Gwynt	25.7	30.5	32.6	32.4	32.3	33.9	34.9	35.5	35.5
Cumulative with Calon y Gwynt	27.2	31.8	34.3	34.5	34.6	35.6	36.2	36.6	36.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.8	-8.2	-5.7	-5.5	-5.4	-4.8	-6.9	-9.2	-12.0

1.25 RECEPTOR H70

Table 11O.193: Predicted Cumulative Wind Farm Noise Levels – H70 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.7	26.3	30.1	31.5	31.8	31.6	31.1	30.7	30.6
Calon y Gwynt	25.1	29.9	31.2	31.0	31.0	32.8	33.7	34.9	34.9
Cumulative with Calon y Gwynt	27.1	31.5	33.7	34.3	34.4	35.2	35.6	36.3	36.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.9	-8.5	-6.3	-5.7	-5.6	-5.2	-7.5	-9.5	-12.2

Table 11O.194: Predicted Cumulative Wind Farm Noise Levels – H70 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.7	26.3	30.0	31.4	31.7	31.6	31.0	30.7	30.5
Calon y Gwynt	24.5	29.3	31.4	31.2	31.0	33.0	33.5	34.3	34.3
Cumulative with Calon y Gwynt	26.7	31.1	33.8	34.3	34.4	35.3	35.5	35.9	35.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.3	-8.9	-6.2	-5.7	-5.6	-5.1	-7.6	-9.9	-12.7

Table 11O.195: Predicted Cumulative Wind Farm Noise Levels – H70 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.8	25.0	28.9	30.7	31.1	30.9	30.3	29.8	29.7
Calon y Gwynt	21.7	26.5	30.0	29.6	29.6	31.1	31.4	31.5	31.5
Cumulative with Calon y Gwynt	24.8	28.9	32.5	33.2	33.4	34.0	33.9	33.8	33.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.2	-11.1	-7.5	-6.8	-6.6	-6.4	-9.2	-12.0	-14.8

Table 11O.196: Predicted Cumulative Wind Farm Noise Levels – H70 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.8	22.0	25.9	27.8	28.2	28.0	27.3	26.9	26.7
Calon y Gwynt	18.6	23.4	27.6	28.0	27.5	28.2	28.4	28.4	28.4
Cumulative with Calon y Gwynt	21.7	25.8	29.9	30.9	30.9	31.1	30.9	30.7	30.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.3	-14.2	-10.1	-9.1	-9.1	-9.3	-12.2	-15.1	-17.9

Table 11O.197: Predicted Cumulative Wind Farm Noise Levels – H70 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.9	19.6	23.3	24.6	24.9	24.7	24.2	23.9	23.8
Calon y Gwynt	18.6	23.4	27.7	27.3	27.3	27.9	28.2	28.4	28.4
Cumulative with Calon y Gwynt	20.5	24.9	29.0	29.2	29.3	29.6	29.6	29.7	29.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.5	-15.1	-11.0	-10.8	-10.7	-10.8	-13.5	-16.1	-18.8

Table 11O.198: Predicted Cumulative Wind Farm Noise Levels – H70 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.7	21.8	25.2	26.0	26.2	26.1	25.8	25.6	25.5
Calon y Gwynt	22.2	27.0	30.8	30.3	30.3	31.2	31.3	32.0	32.0
Cumulative with Calon y Gwynt	23.5	28.2	31.8	31.7	31.7	32.3	32.4	32.9	32.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.5	-11.8	-8.2	-8.3	-8.3	-8.1	-10.7	-12.9	-15.6

Table 11O.199: Predicted Cumulative Wind Farm Noise Levels – H70 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.7	24.7	28.2	29.0	29.4	29.2	28.9	28.6	28.5
Calon y Gwynt	24.6	29.4	31.6	31.5	31.5	33.0	33.4	34.4	34.4
Cumulative with Calon y Gwynt	26.1	30.6	33.2	33.4	33.6	34.5	34.7	35.4	35.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.9	-9.4	-6.8	-6.6	-6.4	-5.9	-8.4	-10.4	-13.1

Table 11O.200: Predicted Cumulative Wind Farm Noise Levels – H70 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	22.6	26.2	29.9	31.3	31.7	31.5	31.0	30.6	30.5
Calon y Gwynt	25.1	29.9	31.5	31.2	31.2	32.8	34.3	34.9	34.9
Cumulative with Calon y Gwynt	27.1	31.5	33.8	34.3	34.5	35.2	35.9	36.3	36.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.9	-8.5	-6.2	-5.7	-5.5	-5.2	-7.2	-9.5	-12.3

1.26 RECEPTOR H71

Table 11O.201: Predicted Cumulative Wind Farm Noise Levels – H71 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.9	25.6	29.3	30.7	31.0	30.8	30.3	29.9	29.8
Calon y Gwynt	24.2	29.0	30.9	30.7	30.6	32.3	33.1	34.0	34.0
Cumulative with Calon y Gwynt	26.2	30.6	33.2	33.7	33.8	34.6	34.9	35.4	35.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.8	-9.4	-6.8	-6.3	-6.2	-5.8	-8.2	-10.4	-13.1

Table 11O.202: Predicted Cumulative Wind Farm Noise Levels – H71 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.9	25.5	29.2	30.6	30.9	30.8	30.3	29.9	29.8
Calon y Gwynt	23.7	28.5	31.2	31.1	31.0	32.5	32.9	33.5	33.5
Cumulative with Calon y Gwynt	25.9	30.3	33.4	33.9	34.0	34.7	34.8	35.1	35.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.1	-9.7	-6.6	-6.1	-6.0	-5.7	-8.3	-10.7	-13.4

Table 11O.203: Predicted Cumulative Wind Farm Noise Levels – H71 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.0	24.3	28.2	29.9	30.3	30.1	29.5	29.0	28.9
Calon y Gwynt	20.6	25.4	29.0	28.7	28.7	30.0	30.3	30.4	30.4
Cumulative with Calon y Gwynt	23.8	27.9	31.6	32.3	32.6	33.1	32.9	32.8	32.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.2	-12.1	-8.4	-7.7	-7.4	-7.3	-10.2	-13.0	-15.8

Table 11O.204: Predicted Cumulative Wind Farm Noise Levels – H71 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.9	21.2	25.0	26.8	27.2	27.0	26.4	25.9	25.8
Calon y Gwynt	16.8	21.6	25.9	26.2	25.8	26.4	26.6	26.6	26.6
Cumulative with Calon y Gwynt	20.4	24.4	28.5	29.5	29.6	29.7	29.5	29.3	29.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.6	-15.6	-11.5	-10.5	-10.4	-10.7	-13.6	-16.5	-19.2

Table 11O.205: Predicted Cumulative Wind Farm Noise Levels – H71 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.2	19.0	22.6	23.9	24.2	24.0	23.5	23.2	23.1
Calon y Gwynt	17.1	21.9	26.1	26.0	26.0	26.4	26.7	26.9	26.9
Cumulative with Calon y Gwynt	19.3	23.7	27.7	28.1	28.2	28.4	28.4	28.4	28.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.7	-16.3	-12.3	-11.9	-11.8	-12.0	-14.7	-17.4	-20.1

Table 11O.206: Predicted Cumulative Wind Farm Noise Levels – H71 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.0	21.2	24.6	25.3	25.6	25.5	25.1	24.9	24.9
Calon y Gwynt	21.1	25.9	29.8	29.4	29.4	30.2	30.4	30.9	30.9
Cumulative with Calon y Gwynt	22.5	27.1	30.9	30.8	30.9	31.5	31.5	31.8	31.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.5	-12.9	-9.1	-9.2	-9.1	-8.9	-11.6	-14.0	-16.7

Table 11O.207: Predicted Cumulative Wind Farm Noise Levels – H71 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.1	24.2	27.6	28.4	28.8	28.7	28.3	28.0	28.0
Calon y Gwynt	23.8	28.6	31.2	31.2	31.2	32.6	32.9	33.6	33.6
Cumulative with Calon y Gwynt	25.4	29.9	32.8	33.1	33.2	34.0	34.2	34.7	34.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.6	-10.1	-7.2	-6.9	-6.8	-6.4	-8.9	-11.1	-13.8

Table 11O.208: Predicted Cumulative Wind Farm Noise Levels – H71 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.9	25.6	29.2	30.6	31.0	30.8	30.3	29.9	29.8
Calon y Gwynt	24.2	29.0	31.1	30.9	30.9	32.4	33.5	34.0	34.0
Cumulative with Calon y Gwynt	26.2	30.6	33.3	33.8	33.9	34.7	35.2	35.4	35.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.8	-9.4	-6.7	-6.2	-6.1	-5.7	-7.9	-10.4	-13.1

1.27 RECEPTOR H72

Table 11O.209: Predicted Cumulative Wind Farm Noise Levels – H72 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.7	25.3	29.1	30.4	30.7	30.5	30.0	29.7	29.5
Calon y Gwynt	24.1	28.9	30.8	30.7	30.6	32.3	33.0	33.9	33.9
Cumulative with Calon y Gwynt	26.0	30.5	33.0	33.5	33.7	34.5	34.7	35.3	35.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.0	-9.5	-7.0	-6.5	-6.3	-5.9	-8.4	-10.5	-13.3

Table 11O.210: Predicted Cumulative Wind Farm Noise Levels – H72 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.7	25.3	29.0	30.3	30.6	30.5	30.0	29.6	29.5
Calon y Gwynt	23.8	28.6	31.5	31.3	31.2	32.7	33.1	33.6	33.6
Cumulative with Calon y Gwynt	25.9	30.3	33.4	33.9	33.9	34.7	34.8	35.1	35.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.1	-9.7	-6.6	-6.1	-6.1	-5.7	-8.3	-10.7	-13.5

Table 11O.211: Predicted Cumulative Wind Farm Noise Levels – H72 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.7	24.1	27.9	29.6	30.0	29.8	29.2	28.8	28.6
Calon y Gwynt	20.6	25.4	29.0	28.7	28.7	30.0	30.3	30.4	30.4
Cumulative with Calon y Gwynt	23.7	27.8	31.5	32.2	32.4	32.9	32.8	32.6	32.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.3	-12.2	-8.5	-7.8	-7.6	-7.5	-10.3	-13.2	-15.9

Table 11O.212: Predicted Cumulative Wind Farm Noise Levels – H72 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.7	21.0	24.9	26.6	27.0	26.8	26.2	25.7	25.6
Calon y Gwynt	16.7	21.5	25.7	26.0	25.7	26.3	26.5	26.5	26.5
Cumulative with Calon y Gwynt	20.2	24.3	28.3	29.3	29.4	29.5	29.4	29.1	29.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.8	-15.7	-11.7	-10.7	-10.6	-10.9	-13.7	-16.7	-19.4

Table 11O.213: Predicted Cumulative Wind Farm Noise Levels – H72 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.0	18.8	22.4	23.7	24.0	23.8	23.3	23.0	22.9
Calon y Gwynt	16.8	21.6	25.8	25.6	25.6	26.1	26.4	26.6	26.6
Cumulative with Calon y Gwynt	19.0	23.4	27.4	27.8	27.9	28.1	28.1	28.1	28.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.0	-16.6	-12.6	-12.2	-12.1	-12.3	-15.0	-17.7	-20.4

Table 11O.214: Predicted Cumulative Wind Farm Noise Levels – H72 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.8	21.0	24.4	25.1	25.3	25.2	24.9	24.7	24.6
Calon y Gwynt	20.7	25.5	29.5	29.2	29.2	29.9	30.1	30.5	30.5
Cumulative with Calon y Gwynt	22.2	26.8	30.7	30.6	30.7	31.2	31.3	31.5	31.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.8	-13.2	-9.3	-9.4	-9.3	-9.2	-11.8	-14.3	-17.0

Table 11O.215: Predicted Cumulative Wind Farm Noise Levels – H72 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.9	24.0	27.4	28.2	28.5	28.4	28.0	27.8	27.7
Calon y Gwynt	23.6	28.4	31.0	31.0	31.0	32.4	32.7	33.4	33.4
Cumulative with Calon y Gwynt	25.1	29.7	32.6	32.8	33.0	33.8	33.9	34.4	34.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.9	-10.3	-7.4	-7.2	-7.0	-6.6	-9.2	-11.4	-14.1

Table 11O.216: Predicted Cumulative Wind Farm Noise Levels – H72 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.6	25.3	28.9	30.3	30.7	30.5	30.0	29.6	29.5
Calon y Gwynt	24.1	28.9	31.0	30.9	30.8	32.3	33.4	33.9	33.9
Cumulative with Calon y Gwynt	26.0	30.5	33.1	33.6	33.7	34.5	35.0	35.3	35.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.0	-9.5	-6.9	-6.4	-6.3	-5.9	-8.1	-10.5	-13.3

1.28 RECEPTOR H73

Table 11O.217: Predicted Cumulative Wind Farm Noise Levels – H73 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.3	25.0	28.8	30.0	30.4	30.2	29.7	29.3	29.2
Calon y Gwynt	23.7	28.5	30.7	30.6	30.5	32.1	32.7	33.5	33.5
Cumulative with Calon y Gwynt	25.7	30.1	32.8	33.3	33.4	34.2	34.5	34.9	34.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.3	-9.9	-7.2	-6.7	-6.6	-6.2	-8.6	-10.9	-13.6

Table 11O.218: Predicted Cumulative Wind Farm Noise Levels – H73 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.3	25.0	28.7	29.9	30.3	30.1	29.7	29.3	29.2
Calon y Gwynt	23.5	28.3	31.3	31.2	31.0	32.5	32.8	33.3	33.3
Cumulative with Calon y Gwynt	25.5	30.0	33.2	33.6	33.7	34.5	34.5	34.7	34.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.5	-10.0	-6.8	-6.4	-6.3	-5.9	-8.6	-11.1	-13.8

Table 11O.219: Predicted Cumulative Wind Farm Noise Levels – H73 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.4	23.8	27.6	29.2	29.6	29.4	28.8	28.4	28.3
Calon y Gwynt	20.4	25.2	28.8	28.6	28.6	29.8	30.1	30.2	30.2
Cumulative with Calon y Gwynt	23.4	27.5	31.3	32.0	32.2	32.6	32.5	32.4	32.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.6	-12.5	-8.7	-8.0	-7.8	-7.8	-10.6	-13.4	-16.2

Table 11O.220: Predicted Cumulative Wind Farm Noise Levels – H73 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.3	20.7	24.5	26.2	26.6	26.4	25.8	25.4	25.2
Calon y Gwynt	16.4	21.2	25.3	25.5	25.3	25.8	26.2	26.2	26.2
Cumulative with Calon y Gwynt	19.9	23.9	27.9	28.9	29.0	29.1	29.0	28.8	28.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.1	-16.1	-12.1	-11.1	-11.0	-11.3	-14.1	-17.0	-19.8

Table 11O.221: Predicted Cumulative Wind Farm Noise Levels – H73 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.7	18.5	22.1	23.4	23.7	23.5	23.0	22.7	22.6
Calon y Gwynt	16.3	21.1	25.2	25.2	25.2	25.6	26.0	26.1	26.1
Cumulative with Calon y Gwynt	18.6	23.0	27.0	27.4	27.5	27.7	27.8	27.8	27.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.4	-17.0	-13.0	-12.6	-12.5	-12.7	-15.3	-18.0	-20.8

Table 11O.222: Predicted Cumulative Wind Farm Noise Levels – H73 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.5	20.7	24.1	24.8	25.0	24.9	24.6	24.4	24.3
Calon y Gwynt	20.2	25.0	29.0	28.6	28.6	29.4	29.7	30.0	30.0
Cumulative with Calon y Gwynt	21.8	26.4	30.2	30.1	30.2	30.7	30.8	31.1	31.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.2	-13.6	-9.8	-9.9	-9.8	-9.7	-12.3	-14.7	-17.4

Table 11O.223: Predicted Cumulative Wind Farm Noise Levels – H73 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.6	23.7	27.1	27.9	28.3	28.1	27.8	27.5	27.4
Calon y Gwynt	23.3	28.1	30.9	30.8	30.8	32.1	32.4	33.1	33.1
Cumulative with Calon y Gwynt	24.8	29.4	32.4	32.6	32.7	33.5	33.7	34.1	34.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.2	-10.6	-7.6	-7.4	-7.3	-6.9	-9.4	-11.7	-14.4

Table 11O.224: Predicted Cumulative Wind Farm Noise Levels – H73 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.3	25.0	28.6	30.0	30.4	30.2	29.7	29.3	29.2
Calon y Gwynt	23.7	28.5	30.9	30.7	30.7	32.1	33.1	33.5	33.5
Cumulative with Calon y Gwynt	25.7	30.1	32.9	33.4	33.5	34.3	34.7	34.9	34.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.3	-9.9	-7.1	-6.6	-6.5	-6.1	-8.4	-10.9	-13.6

1.29 RECEPTOR H74

Table 11O.225: Predicted Cumulative Wind Farm Noise Levels – H74 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.2	26.6	30.5	32.1	32.5	32.2	31.6	31.2	31.1
Calon y Gwynt	22.7	27.5	29.1	28.9	28.8	30.5	31.4	32.5	32.5
Cumulative with Calon y Gwynt	26.0	30.1	32.8	33.8	34.0	34.5	34.5	34.9	34.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.0	-9.9	-7.2	-6.2	-6.0	-5.9	-8.6	-10.9	-13.7

Table 11O.226: Predicted Cumulative Wind Farm Noise Levels – H74 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.1	26.4	30.3	32.0	32.4	32.1	31.5	31.1	31.0
Calon y Gwynt	21.6	26.4	28.8	28.6	28.5	30.3	30.7	31.4	31.4
Cumulative with Calon y Gwynt	25.4	29.4	32.6	33.6	33.8	34.3	34.2	34.3	34.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.6	-10.6	-7.4	-6.4	-6.2	-6.1	-8.9	-11.5	-14.3

Table 11O.227: Predicted Cumulative Wind Farm Noise Levels – H74 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.8	24.9	28.9	30.9	31.3	31.0	30.4	29.9	29.7
Calon y Gwynt	17.4	22.2	25.7	25.5	25.5	26.9	27.2	27.2	27.2
Cumulative with Calon y Gwynt	23.2	26.8	30.6	32.0	32.3	32.5	32.1	31.8	31.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.8	-13.2	-9.4	-8.0	-7.7	-7.9	-11.0	-14.0	-16.8

Table 11O.228: Predicted Cumulative Wind Farm Noise Levels – H74 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.2	21.4	25.4	27.2	27.6	27.4	26.8	26.3	26.2
Calon y Gwynt	15.0	19.8	24.0	24.3	23.9	24.5	24.8	24.8	24.8
Cumulative with Calon y Gwynt	19.9	23.7	27.7	29.0	29.2	29.2	28.9	28.6	28.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.1	-16.3	-12.3	-11.0	-10.8	-11.2	-14.2	-17.2	-20.0

Table 11O.229: Predicted Cumulative Wind Farm Noise Levels – H74 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.0	19.7	23.4	24.8	25.1	24.9	24.4	24.1	23.9
Calon y Gwynt	16.9	21.7	25.9	25.6	25.6	26.2	26.5	26.7	26.7
Cumulative with Calon y Gwynt	19.5	23.8	27.8	28.2	28.4	28.6	28.6	28.6	28.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.5	-16.2	-12.2	-11.8	-11.6	-11.8	-14.5	-17.2	-20.0

Table 11O.230: Predicted Cumulative Wind Farm Noise Levels – H74 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.2	22.2	25.7	26.7	27.0	26.8	26.4	26.2	26.1
Calon y Gwynt	21.2	26.0	29.7	29.2	29.2	30.0	30.3	31.0	31.0
Cumulative with Calon y Gwynt	23.0	27.5	31.1	31.1	31.2	31.7	31.8	32.3	32.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.0	-12.5	-8.9	-8.9	-8.8	-8.7	-11.3	-13.5	-16.3

Table 11O.231: Predicted Cumulative Wind Farm Noise Levels – H74 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.6	25.3	28.9	30.2	30.6	30.4	29.9	29.6	29.4
Calon y Gwynt	22.7	27.5	29.7	29.6	29.6	31.0	31.4	32.5	32.5
Cumulative with Calon y Gwynt	25.2	29.5	32.3	32.9	33.1	33.7	33.7	34.3	34.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.8	-10.5	-7.7	-7.1	-6.9	-6.7	-9.4	-11.5	-14.3

Table 11O.232: Predicted Cumulative Wind Farm Noise Levels – H74 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.2	26.6	30.3	32.0	32.5	32.2	31.6	31.2	31.1
Calon y Gwynt	22.7	27.5	29.3	29.1	29.0	30.6	32.0	32.5	32.5
Cumulative with Calon y Gwynt	26.0	30.1	32.9	33.8	34.1	34.5	34.8	34.9	34.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.0	-9.9	-7.1	-6.2	-5.9	-5.9	-8.3	-10.9	-13.7

1.30 RECEPTOR H75

Table 11O.233: Predicted Cumulative Wind Farm Noise Levels – H75 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.9	27.4	31.2	32.7	33.1	32.9	32.3	31.9	31.8
Calon y Gwynt	27.3	32.1	33.3	32.9	32.8	34.8	35.8	37.1	37.1
Cumulative with Calon y Gwynt	28.9	33.3	35.4	35.9	36.0	36.9	37.4	38.2	38.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.1	-6.7	-4.6	-4.1	-4.0	-3.5	-5.7	-7.6	-10.3

Table 11O.234: Predicted Cumulative Wind Farm Noise Levels – H75 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.9	27.3	31.1	32.6	33.0	32.8	32.3	31.9	31.7
Calon y Gwynt	26.6	31.4	33.3	33.0	32.9	35.0	35.6	36.4	36.4
Cumulative with Calon y Gwynt	28.5	32.9	35.4	35.8	36.0	37.1	37.2	37.7	37.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.5	-7.1	-4.6	-4.2	-4.0	-3.3	-5.9	-8.1	-10.8

Table 11O.235: Predicted Cumulative Wind Farm Noise Levels – H75 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.1	26.2	30.2	32.1	32.5	32.2	31.6	31.1	31.0
Calon y Gwynt	24.4	29.2	32.4	31.8	31.8	33.9	34.1	34.2	34.2
Cumulative with Calon y Gwynt	26.8	30.9	34.4	35.0	35.2	36.2	36.0	35.9	35.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.2	-9.1	-5.6	-5.0	-4.8	-4.2	-7.1	-9.9	-12.6

Table 11O.236: Predicted Cumulative Wind Farm Noise Levels – H75 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.1	23.2	27.2	29.1	29.5	29.3	28.6	28.1	28.0
Calon y Gwynt	22.0	26.8	31.1	31.4	30.8	31.7	31.8	31.8	31.8
Cumulative with Calon y Gwynt	24.2	28.4	32.6	33.4	33.3	33.7	33.5	33.4	33.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.8	-11.6	-7.4	-6.6	-6.7	-6.7	-9.6	-12.4	-15.2

Table 11O.237: Predicted Cumulative Wind Farm Noise Levels – H75 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.9	20.6	24.3	25.7	26.0	25.8	25.3	25.0	24.8
Calon y Gwynt	22.6	27.4	31.7	31.3	31.3	32.1	32.2	32.4	32.4
Cumulative with Calon y Gwynt	23.6	28.2	32.4	32.4	32.5	33.0	33.0	33.1	33.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.4	-11.8	-7.6	-7.6	-7.5	-7.4	-10.1	-12.7	-15.4

Table 11O.238: Predicted Cumulative Wind Farm Noise Levels – H75 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.7	22.8	26.3	27.0	27.3	27.1	26.8	26.6	26.5
Calon y Gwynt	25.5	30.3	33.9	33.3	33.3	34.3	34.4	35.3	35.3
Cumulative with Calon y Gwynt	26.3	31.0	34.6	34.2	34.3	35.1	35.1	35.8	35.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.7	-9.0	-5.4	-5.8	-5.7	-5.3	-8.0	-10.0	-12.7

Table 11O.239: Predicted Cumulative Wind Farm Noise Levels – H75 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.7	25.6	29.1	30.0	30.4	30.3	29.9	29.6	29.5
Calon y Gwynt	27.3	32.1	33.9	33.7	33.7	35.4	35.9	37.1	37.1
Cumulative with Calon y Gwynt	28.3	33.0	35.1	35.3	35.4	36.6	36.8	37.8	37.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.7	-7.0	-4.9	-4.7	-4.6	-3.8	-6.3	-8.0	-10.7

Table 11O.240: Predicted Cumulative Wind Farm Noise Levels – H75 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	23.8	27.3	31.0	32.6	33.0	32.8	32.2	31.8	31.7
Calon y Gwynt	27.3	32.1	33.5	33.1	33.0	34.8	36.6	37.1	37.1
Cumulative with Calon y Gwynt	28.9	33.3	35.4	35.9	36.0	36.9	37.9	38.2	38.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-11.1	-6.7	-4.6	-4.1	-4.0	-3.5	-5.2	-7.6	-10.3

1.31 RECEPTOR H76

Table 11O.241: Predicted Cumulative Wind Farm Noise Levels – H76 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.2	24.5	28.0	28.5	28.7	28.6	28.3	28.1	28.1
Calon y Gwynt	23.3	28.1	31.2	31.0	30.7	32.4	32.7	33.1	33.1
Cumulative with Calon y Gwynt	25.0	29.6	32.9	32.9	32.8	33.9	34.1	34.3	34.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.0	-10.4	-7.1	-7.1	-7.2	-6.5	-9.0	-11.5	-14.2

Table 11O.242: Predicted Cumulative Wind Farm Noise Levels – H76 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.2	24.5	27.8	28.4	28.6	28.5	28.3	28.1	28.1
Calon y Gwynt	23.3	28.1	32.0	32.2	32.1	32.8	32.9	33.1	33.1
Cumulative with Calon y Gwynt	25.0	29.6	33.4	33.7	33.7	34.2	34.2	34.3	34.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.0	-10.4	-6.6	-6.3	-6.3	-6.2	-8.9	-11.5	-14.2

Table 11O.243: Predicted Cumulative Wind Farm Noise Levels – H76 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.1	23.1	26.6	27.4	27.6	27.6	27.3	27.0	26.9
Calon y Gwynt	22.4	27.2	31.2	31.5	31.5	31.8	32.1	32.2	32.2
Cumulative with Calon y Gwynt	24.0	28.6	32.5	32.9	33.0	33.2	33.4	33.3	33.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.0	-11.4	-7.5	-7.1	-7.0	-7.2	-9.7	-12.5	-15.2

Table 11O.244: Predicted Cumulative Wind Farm Noise Levels – H76 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.4	20.3	23.9	24.9	25.2	25.1	24.7	24.4	24.3
Calon y Gwynt	19.0	23.8	28.0	28.4	28.3	28.6	28.8	28.8	28.8
Cumulative with Calon y Gwynt	20.9	25.4	29.5	30.0	30.0	30.2	30.2	30.1	30.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.1	-14.6	-10.5	-10.0	-10.0	-10.2	-12.9	-15.7	-18.4

Table 11O.245: Predicted Cumulative Wind Farm Noise Levels – H76 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.1	18.2	21.7	22.6	22.9	22.7	22.4	22.1	22.1
Calon y Gwynt	15.6	20.4	24.5	24.6	24.6	24.9	25.2	25.4	25.4
Cumulative with Calon y Gwynt	17.9	22.4	26.4	26.8	26.8	27.0	27.0	27.1	27.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-22.1	-17.6	-13.6	-13.2	-13.2	-13.4	-16.1	-18.7	-21.5

Table 11O.246: Predicted Cumulative Wind Farm Noise Levels – H76 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.8	19.2	22.5	23.0	23.2	23.1	22.9	22.8	22.8
Calon y Gwynt	16.5	21.3	25.5	25.6	25.6	25.9	26.1	26.3	26.3
Cumulative with Calon y Gwynt	18.7	23.4	27.3	27.5	27.6	27.8	27.8	27.9	27.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.3	-16.6	-12.7	-12.5	-12.4	-12.6	-15.3	-17.9	-20.6

Table 11O.247: Predicted Cumulative Wind Farm Noise Levels – H76 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.6	22.1	25.3	25.5	25.8	25.7	25.6	25.5	25.5
Calon y Gwynt	20.4	25.2	29.1	29.4	29.4	30.0	30.1	30.2	30.2
Cumulative with Calon y Gwynt	22.2	26.9	30.6	30.9	30.9	31.4	31.4	31.5	31.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.8	-13.1	-9.4	-9.1	-9.1	-9.0	-11.7	-14.3	-17.0

Table 11O.248: Predicted Cumulative Wind Farm Noise Levels – H76 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.7	24.1	27.3	27.8	28.0	27.9	27.7	27.6	27.6
Calon y Gwynt	23.0	27.8	31.3	31.0	31.0	32.4	32.6	32.8	32.8
Cumulative with Calon y Gwynt	24.7	29.4	32.8	32.7	32.8	33.7	33.8	34.0	34.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.3	-10.6	-7.2	-7.3	-7.2	-6.7	-9.3	-11.8	-14.5

1.32 RECEPTOR H77

Table 11O.249: Predicted Cumulative Wind Farm Noise Levels – H77 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.0	24.3	27.8	28.3	28.5	28.3	28.1	27.9	27.8
Calon y Gwynt	23.1	27.9	31.1	31.0	30.7	32.3	32.6	32.9	32.9
Cumulative with Calon y Gwynt	24.8	29.5	32.8	32.8	32.7	33.8	33.9	34.1	34.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.2	-10.5	-7.2	-7.2	-7.3	-6.6	-9.2	-11.7	-14.4

Table 11O.250: Predicted Cumulative Wind Farm Noise Levels – H77 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	20.0	24.3	27.6	28.1	28.3	28.3	28.1	27.9	27.8
Calon y Gwynt	23.1	27.9	31.9	32.1	32.0	32.7	32.8	32.9	32.9
Cumulative with Calon y Gwynt	24.8	29.5	33.3	33.6	33.5	34.0	34.0	34.1	34.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.2	-10.5	-6.7	-6.4	-6.5	-6.4	-9.1	-11.7	-14.4

Table 11O.251: Predicted Cumulative Wind Farm Noise Levels – H77 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.9	23.0	26.5	27.1	27.4	27.3	27.0	26.8	26.7
Calon y Gwynt	22.3	27.1	31.1	31.4	31.4	31.7	32.0	32.1	32.1
Cumulative with Calon y Gwynt	23.9	28.5	32.4	32.8	32.8	33.0	33.2	33.2	33.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.1	-11.5	-7.6	-7.2	-7.2	-7.4	-9.9	-12.6	-15.3

Table 11O.252: Predicted Cumulative Wind Farm Noise Levels – H77 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	16.3	20.3	23.8	24.6	24.9	24.8	24.5	24.2	24.1
Calon y Gwynt	19.2	24.0	28.3	28.7	28.6	28.8	29.0	29.0	29.0
Cumulative with Calon y Gwynt	21.0	25.6	29.6	30.1	30.2	30.3	30.3	30.3	30.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.0	-14.4	-10.4	-9.9	-9.8	-10.1	-12.8	-15.5	-18.2

Table 11O.253: Predicted Cumulative Wind Farm Noise Levels – H77 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	13.9	18.1	21.5	22.4	22.7	22.5	22.2	22.0	21.9
Calon y Gwynt	15.5	20.3	24.5	24.6	24.6	24.9	25.2	25.3	25.3
Cumulative with Calon y Gwynt	17.8	22.3	26.3	26.7	26.8	26.9	27.0	27.0	26.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-22.2	-17.7	-13.7	-13.3	-13.2	-13.5	-16.1	-18.8	-21.6

Table 11O.254: Predicted Cumulative Wind Farm Noise Levels – H77 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.5	19.0	22.3	22.7	22.9	22.9	22.7	22.5	22.5
Calon y Gwynt	15.9	20.7	24.9	25.0	25.0	25.4	25.6	25.7	25.7
Cumulative with Calon y Gwynt	18.3	23.0	26.8	27.0	27.1	27.3	27.4	27.4	27.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.7	-17.0	-13.2	-13.0	-12.9	-13.1	-15.7	-18.4	-21.1

Table 11O.255: Predicted Cumulative Wind Farm Noise Levels – H77 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.4	22.0	25.1	25.3	25.6	25.6	25.4	25.3	25.3
Calon y Gwynt	20.1	24.9	28.9	29.2	29.2	29.7	29.8	29.9	29.9
Cumulative with Calon y Gwynt	22.0	26.7	30.4	30.7	30.8	31.1	31.2	31.2	31.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.0	-13.3	-9.6	-9.3	-9.2	-9.3	-11.9	-14.6	-17.3

Table 11O.256: Predicted Cumulative Wind Farm Noise Levels – H77 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.5	24.0	27.2	27.6	27.8	27.7	27.5	27.4	27.4
Calon y Gwynt	22.9	27.7	31.2	31.0	31.0	32.3	32.5	32.7	32.7
Cumulative with Calon y Gwynt	24.6	29.3	32.7	32.6	32.7	33.6	33.7	33.8	33.8
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.4	-10.7	-7.3	-7.4	-7.3	-6.8	-9.4	-12.0	-14.7

1.33 RECEPTOR H78

Table 11O.257: Predicted Cumulative Wind Farm Noise Levels – H78 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.6	23.9	27.4	27.9	28.1	28.0	27.7	27.5	27.5
Calon y Gwynt	22.4	27.2	30.3	30.1	29.9	31.6	31.9	32.2	32.2
Cumulative with Calon y Gwynt	24.2	28.9	32.1	32.2	32.1	33.1	33.3	33.5	33.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.8	-11.1	-7.9	-7.8	-7.9	-7.3	-9.8	-12.3	-15.0

Table 11O.258: Predicted Cumulative Wind Farm Noise Levels – H78 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.6	23.9	27.2	27.8	28.0	27.9	27.7	27.5	27.5
Calon y Gwynt	22.4	27.2	31.2	31.3	31.2	31.9	32.0	32.2	32.2
Cumulative with Calon y Gwynt	24.2	28.9	32.7	32.9	32.9	33.4	33.4	33.5	33.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-15.8	-11.1	-7.3	-7.1	-7.1	-7.0	-9.7	-12.3	-15.0

Table 11O.259: Predicted Cumulative Wind Farm Noise Levels – H78 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.5	22.5	26.0	26.8	27.0	26.9	26.6	26.4	26.3
Calon y Gwynt	21.5	26.3	30.4	30.7	30.7	31.0	31.3	31.3	31.3
Cumulative with Calon y Gwynt	23.3	27.9	31.8	32.2	32.2	32.4	32.6	32.6	32.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.7	-12.1	-8.2	-7.8	-7.8	-8.0	-10.5	-13.2	-16.0

Table 11O.260: Predicted Cumulative Wind Farm Noise Levels – H78 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.9	19.9	23.4	24.4	24.6	24.5	24.2	23.9	23.8
Calon y Gwynt	18.2	23.0	27.3	27.7	27.6	27.8	28.0	28.0	28.0
Cumulative with Calon y Gwynt	20.2	24.7	28.8	29.3	29.3	29.5	29.5	29.4	29.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.8	-15.3	-11.2	-10.7	-10.7	-10.9	-13.6	-16.4	-19.1

Table 11O.261: Predicted Cumulative Wind Farm Noise Levels – H78 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	13.6	17.7	21.2	22.1	22.3	22.2	21.9	21.6	21.5
Calon y Gwynt	14.7	19.5	23.6	23.7	23.7	24.0	24.3	24.5	24.5
Cumulative with Calon y Gwynt	17.2	21.7	25.6	26.0	26.1	26.2	26.3	26.3	26.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-22.8	-18.3	-14.4	-14.0	-13.9	-14.2	-16.8	-19.5	-22.2

Table 11O.262: Predicted Cumulative Wind Farm Noise Levels – H78 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.2	18.7	22.0	22.5	22.7	22.6	22.4	22.3	22.2
Calon y Gwynt	15.4	20.2	24.3	24.4	24.4	24.8	25.0	25.2	25.2
Cumulative with Calon y Gwynt	17.8	22.5	26.3	26.5	26.6	26.8	26.9	27.0	27.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-22.2	-17.5	-13.7	-13.5	-13.4	-13.6	-16.2	-18.8	-21.5

Table 11O.263: Predicted Cumulative Wind Farm Noise Levels – H78 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.0	21.6	24.7	25.0	25.3	25.2	25.0	24.9	24.9
Calon y Gwynt	19.5	24.3	28.1	28.4	28.4	29.1	29.2	29.3	29.3
Cumulative with Calon y Gwynt	21.5	26.2	29.8	30.0	30.1	30.6	30.6	30.7	30.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.5	-13.8	-10.2	-10.0	-9.9	-9.8	-12.5	-15.1	-17.8

Table 11O.264: Predicted Cumulative Wind Farm Noise Levels – H78 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.1	23.5	26.8	27.2	27.4	27.4	27.2	27.0	27.0
Calon y Gwynt	22.2	27.0	30.4	30.1	30.1	31.5	31.8	32.0	32.0
Cumulative with Calon y Gwynt	23.9	28.6	32.0	31.9	32.0	32.9	33.1	33.2	33.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.1	-11.4	-8.0	-8.1	-8.0	-7.5	-10.0	-12.6	-15.3

1.34 RECEPTOR H79

Table 11O.265: Predicted Cumulative Wind Farm Noise Levels – H79 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.3	23.3	26.9	27.7	27.9	27.8	27.4	27.2	27.1
Calon y Gwynt	21.3	26.1	28.8	28.7	28.5	30.2	30.6	31.1	31.1
Cumulative with Calon y Gwynt	23.4	28.0	31.0	31.2	31.2	32.2	32.3	32.6	32.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.6	-12.0	-9.0	-8.8	-8.8	-8.2	-10.8	-13.2	-15.9

Table 11O.266: Predicted Cumulative Wind Farm Noise Levels – H79 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.3	23.3	26.8	27.6	27.8	27.8	27.4	27.2	27.1
Calon y Gwynt	21.3	26.1	29.9	29.9	29.8	30.7	30.9	31.1	31.1
Cumulative with Calon y Gwynt	23.4	28.0	31.6	31.9	31.9	32.5	32.5	32.6	32.6
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.6	-12.0	-8.4	-8.1	-8.1	-7.9	-10.6	-13.2	-15.9

Table 11O.267: Predicted Cumulative Wind Farm Noise Levels – H79 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.2	22.1	25.6	26.7	27.0	26.9	26.5	26.2	26.1
Calon y Gwynt	19.7	24.5	28.4	28.5	28.5	29.1	29.4	29.5	29.5
Cumulative with Calon y Gwynt	22.0	26.5	30.2	30.7	30.8	31.1	31.2	31.2	31.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.0	-13.5	-9.8	-9.3	-9.2	-9.3	-11.9	-14.6	-17.4

Table 11O.268: Predicted Cumulative Wind Farm Noise Levels – H79 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.7	19.4	23.1	24.4	24.7	24.5	24.1	23.7	23.6
Calon y Gwynt	15.8	20.6	24.8	25.1	24.9	25.3	25.6	25.6	25.6
Cumulative with Calon y Gwynt	18.7	23.0	27.0	27.8	27.8	27.9	27.9	27.8	27.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.3	-17.0	-13.0	-12.2	-12.2	-12.5	-15.2	-18.0	-20.8

Table 11O.269: Predicted Cumulative Wind Farm Noise Levels – H79 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	13.1	17.1	20.6	21.7	21.9	21.8	21.4	21.2	21.1
Calon y Gwynt	13.5	18.3	22.5	22.5	22.5	22.8	23.2	23.3	23.3
Cumulative with Calon y Gwynt	16.3	20.8	24.7	25.1	25.2	25.3	25.4	25.4	25.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-23.7	-19.2	-15.3	-14.9	-14.8	-15.1	-17.7	-20.4	-23.2

Table 11O.270: Predicted Cumulative Wind Farm Noise Levels – H79 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.2	18.6	21.9	22.5	22.7	22.6	22.4	22.3	22.2
Calon y Gwynt	15.8	20.6	24.8	24.8	24.8	25.2	25.4	25.6	25.6
Cumulative with Calon y Gwynt	18.1	22.8	26.6	26.8	26.9	27.1	27.2	27.3	27.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.9	-17.2	-13.4	-13.2	-13.1	-13.3	-15.9	-18.5	-21.2

Table 11O.271: Predicted Cumulative Wind Farm Noise Levels – H79 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.0	21.5	24.7	25.2	25.5	25.4	25.2	25.0	25.0
Calon y Gwynt	19.9	24.7	28.3	28.5	28.5	29.3	29.4	29.7	29.7
Cumulative with Calon y Gwynt	21.7	26.4	29.8	30.1	30.2	30.8	30.8	31.0	31.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.3	-13.6	-10.2	-9.9	-9.8	-9.6	-12.3	-14.8	-17.5

Table 11O.272: Predicted Cumulative Wind Farm Noise Levels – H79 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.9	23.1	26.4	27.2	27.5	27.4	27.1	26.9	26.8
Calon y Gwynt	21.3	26.1	29.1	28.8	28.8	30.3	30.8	31.1	31.1
Cumulative with Calon y Gwynt	23.3	27.9	31.0	31.1	31.2	32.1	32.3	32.5	32.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.7	-12.1	-9.0	-8.9	-8.8	-8.3	-10.8	-13.3	-16.0

1.35 RECEPTOR H80

Table 11O.273: Predicted Cumulative Wind Farm Noise Levels – H80 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.3	23.3	26.9	27.8	28.1	27.9	27.5	27.3	27.2
Calon y Gwynt	21.1	25.9	28.5	28.4	28.2	29.9	30.4	30.9	30.9
Cumulative with Calon y Gwynt	23.3	27.8	30.8	31.1	31.1	32.1	32.2	32.5	32.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.7	-12.2	-9.2	-8.9	-8.9	-8.3	-10.9	-13.3	-16.0

Table 11O.274: Predicted Cumulative Wind Farm Noise Levels – H80 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.3	23.3	26.8	27.7	28.0	27.9	27.5	27.3	27.2
Calon y Gwynt	21.1	25.9	29.6	29.6	29.4	30.5	30.6	30.9	30.9
Cumulative with Calon y Gwynt	23.3	27.8	31.4	31.8	31.8	32.4	32.4	32.5	32.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.7	-12.2	-8.6	-8.2	-8.2	-8.0	-10.7	-13.3	-16.0

Table 11O.275: Predicted Cumulative Wind Farm Noise Levels – H80 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.3	22.1	25.7	26.9	27.2	27.1	26.7	26.3	26.2
Calon y Gwynt	19.0	23.8	27.7	27.8	27.8	28.4	28.8	28.8	28.8
Cumulative with Calon y Gwynt	21.7	26.1	29.8	30.4	30.5	30.8	30.9	30.8	30.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.3	-13.9	-10.2	-9.6	-9.5	-9.6	-12.2	-15.0	-17.8

Table 11O.276: Predicted Cumulative Wind Farm Noise Levels – H80 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.7	19.3	23.1	24.5	24.8	24.6	24.2	23.8	23.7
Calon y Gwynt	15.1	19.9	24.1	24.5	24.3	24.7	24.9	24.9	24.9
Cumulative with Calon y Gwynt	18.5	22.7	26.7	27.5	27.6	27.7	27.6	27.4	27.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.5	-17.3	-13.3	-12.5	-12.4	-12.7	-15.5	-18.4	-21.1

Table 11O.277: Predicted Cumulative Wind Farm Noise Levels – H80 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	13.1	17.1	20.6	21.7	22.0	21.8	21.4	21.2	21.1
Calon y Gwynt	13.4	18.2	22.3	22.3	22.3	22.7	23.0	23.2	23.2
Cumulative with Calon y Gwynt	16.2	20.7	24.6	25.0	25.2	25.3	25.3	25.3	25.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-23.8	-19.3	-15.4	-15.0	-14.8	-15.1	-17.8	-20.5	-23.2

Table 11O.278: Predicted Cumulative Wind Farm Noise Levels – H80 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	14.4	18.7	22.1	22.7	22.9	22.8	22.6	22.4	22.4
Calon y Gwynt	16.1	20.9	25.1	25.0	25.0	25.5	25.7	25.9	25.9
Cumulative with Calon y Gwynt	18.4	23.0	26.8	27.0	27.1	27.4	27.4	27.5	27.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-21.6	-17.0	-13.2	-13.0	-12.9	-13.0	-15.7	-18.3	-21.0

Table 11O.279: Predicted Cumulative Wind Farm Noise Levels – H80 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	17.3	21.7	24.9	25.5	25.8	25.7	25.5	25.3	25.3
Calon y Gwynt	19.8	24.6	28.1	28.3	28.3	29.2	29.3	29.6	29.6
Cumulative with Calon y Gwynt	21.8	26.4	29.8	30.1	30.2	30.8	30.8	31.0	31.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.2	-13.6	-10.2	-9.9	-9.8	-9.6	-12.3	-14.8	-17.5

Table 11O.280: Predicted Cumulative Wind Farm Noise Levels – H80 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	19.1	23.2	26.6	27.5	27.9	27.7	27.3	27.1	27.0
Calon y Gwynt	21.1	25.9	28.8	28.5	28.5	30.0	30.6	30.9	30.9
Cumulative with Calon y Gwynt	23.3	27.8	30.8	31.1	31.2	32.0	32.2	32.4	32.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-16.7	-12.2	-9.2	-8.9	-8.8	-8.4	-10.9	-13.4	-16.1

1.36 RECEPTOR H101

Table 11O.281: Predicted Cumulative Wind Farm Noise Levels – H101 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.6	26.2	29.5	29.8	29.9	29.8	29.6	29.5	29.5
Calon y Gwynt	25.6	30.4	34.2	34.2	33.9	35.1	35.2	35.4	35.4
Cumulative with Calon y Gwynt	27.1	31.8	35.5	35.5	35.4	36.2	36.3	36.4	36.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.9	-8.2	-4.5	-4.5	-4.6	-4.2	-6.8	-9.4	-12.1

Table 11O.282: Predicted Cumulative Wind Farm Noise Levels – H101 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.6	26.2	29.4	29.6	29.7	29.7	29.6	29.5	29.5
Calon y Gwynt	25.6	30.4	34.6	35.0	34.9	35.3	35.3	35.4	35.4
Cumulative with Calon y Gwynt	27.1	31.8	35.7	36.1	36.1	36.3	36.4	36.4	36.4
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-12.9	-8.2	-4.3	-3.9	-3.9	-4.1	-6.7	-9.4	-12.1

Table 11O.283: Predicted Cumulative Wind Farm Noise Levels – H101 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.2	25.7	29.0	29.0	29.2	29.2	29.1	29.0	29.0
Calon y Gwynt	25.6	30.4	34.4	34.7	34.7	34.8	35.4	35.4	35.4
Cumulative with Calon y Gwynt	26.9	31.7	35.5	35.7	35.8	35.9	36.3	36.3	36.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.1	-8.3	-4.5	-4.3	-4.2	-4.5	-6.8	-9.5	-12.2

Table 11O.284: Predicted Cumulative Wind Farm Noise Levels – H101 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.9	23.0	26.4	27.0	27.2	27.2	26.9	26.7	26.6
Calon y Gwynt	23.9	28.7	32.9	33.3	33.3	33.5	33.7	33.7	33.7
Cumulative with Calon y Gwynt	25.1	29.8	33.8	34.2	34.3	34.4	34.6	34.5	34.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.9	-10.2	-6.2	-5.8	-5.7	-6.0	-8.5	-11.3	-14.0

Table 11O.285: Predicted Cumulative Wind Farm Noise Levels – H101 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.7	19.9	23.3	24.1	24.3	24.2	23.9	23.7	23.6
Calon y Gwynt	20.9	25.7	29.9	30.3	30.3	30.4	30.6	30.7	30.7
Cumulative with Calon y Gwynt	22.0	26.7	30.8	31.2	31.3	31.3	31.4	31.5	31.5
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.0	-13.3	-9.2	-8.8	-8.7	-9.1	-11.7	-14.3	-17.0

Table 11O.286: Predicted Cumulative Wind Farm Noise Levels – H101 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.5	20.1	23.3	23.7	23.9	23.8	23.6	23.5	23.5
Calon y Gwynt	18.7	23.5	27.8	28.1	28.1	28.3	28.4	28.5	28.5
Cumulative with Calon y Gwynt	20.4	25.1	29.1	29.4	29.5	29.6	29.7	29.7	29.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-19.6	-14.9	-10.9	-10.6	-10.5	-10.8	-13.4	-16.1	-18.8

Table 11O.287: Predicted Cumulative Wind Farm Noise Levels – H101 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.8	23.6	26.6	26.8	27.0	27.0	26.9	26.8	26.8
Calon y Gwynt	20.4	25.2	29.4	29.9	29.9	30.1	30.2	30.2	30.2
Cumulative with Calon y Gwynt	22.7	27.5	31.2	31.6	31.7	31.8	31.8	31.9	31.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.3	-12.5	-8.8	-8.4	-8.3	-8.6	-11.3	-13.9	-16.6

Table 11O.288: Predicted Cumulative Wind Farm Noise Levels – H101 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.3	26.0	29.0	29.2	29.4	29.3	29.2	29.1	29.1
Calon y Gwynt	23.7	28.5	32.6	32.6	32.6	33.4	33.5	33.5	33.5
Cumulative with Calon y Gwynt	25.7	30.5	34.2	34.2	34.3	34.8	34.9	34.9	34.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.3	-9.5	-5.8	-5.8	-5.7	-5.6	-8.2	-10.9	-13.6

1.37 RECEPTOR H102

Table 11O.289: Predicted Cumulative Wind Farm Noise Levels – H102 – 0°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.6	26.1	29.5	29.7	29.8	29.7	29.6	29.5	29.4
Calon y Gwynt	25.3	30.1	33.9	33.8	33.6	34.8	34.9	35.1	35.1
Cumulative with Calon y Gwynt	26.8	31.5	35.2	35.3	35.1	36.0	36.0	36.1	36.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.2	-8.5	-4.8	-4.7	-4.9	-4.4	-7.1	-9.7	-12.4

Table 11O.290: Predicted Cumulative Wind Farm Noise Levels – H102 – 45°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.6	26.1	29.3	29.5	29.6	29.6	29.6	29.5	29.4
Calon y Gwynt	25.3	30.1	34.3	34.7	34.6	35.0	35.0	35.1	35.1
Cumulative with Calon y Gwynt	26.8	31.5	35.5	35.8	35.8	36.1	36.1	36.1	36.1
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.2	-8.5	-4.5	-4.2	-4.2	-4.3	-7.0	-9.7	-12.4

Table 11O.291: Predicted Cumulative Wind Farm Noise Levels – H102 – 90°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.2	25.7	29.0	29.0	29.2	29.2	29.1	29.0	29.0
Calon y Gwynt	25.3	30.1	34.0	34.3	34.3	34.5	35.0	35.1	35.1
Cumulative with Calon y Gwynt	26.7	31.4	35.2	35.5	35.5	35.6	36.0	36.0	36.0
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-13.3	-8.6	-4.8	-4.5	-4.5	-4.8	-7.1	-9.8	-12.5

Table 11O.292: Predicted Cumulative Wind Farm Noise Levels – H102 – 135°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.8	23.0	26.5	26.9	27.1	27.1	26.8	26.6	26.6
Calon y Gwynt	24.4	29.2	33.4	33.8	33.7	33.9	34.2	34.2	34.2
Cumulative with Calon y Gwynt	25.4	30.1	34.2	34.6	34.6	34.7	34.9	34.9	34.9
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.6	-9.9	-5.8	-5.4	-5.4	-5.7	-8.2	-10.9	-13.6

Table 11O.293: Predicted Cumulative Wind Farm Noise Levels – H102 – 180°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.6	19.8	23.2	24.0	24.2	24.1	23.8	23.6	23.5
Calon y Gwynt	20.7	25.5	29.7	30.0	30.0	30.2	30.4	30.5	30.5
Cumulative with Calon y Gwynt	21.8	26.5	30.6	31.0	31.0	31.1	31.3	31.3	31.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-18.2	-13.5	-9.4	-9.0	-9.0	-9.3	-11.8	-14.5	-17.2

Table 11O.294: Predicted Cumulative Wind Farm Noise Levels – H102 – 225°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	15.4	20.0	23.2	23.6	23.7	23.7	23.5	23.4	23.4
Calon y Gwynt	18.1	22.9	27.2	27.4	27.4	27.7	27.8	27.9	27.9
Cumulative with Calon y Gwynt	19.9	24.7	28.6	28.9	29.0	29.1	29.2	29.2	29.2
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-20.1	-15.3	-11.4	-11.1	-11.0	-11.3	-13.9	-16.6	-19.3

Table 11O.295: Predicted Cumulative Wind Farm Noise Levels – H102 – 270°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	18.7	23.5	26.5	26.7	26.9	26.9	26.8	26.8	26.8
Calon y Gwynt	19.6	24.4	28.5	29.0	29.0	29.3	29.3	29.4	29.4
Cumulative with Calon y Gwynt	22.2	27.0	30.6	31.0	31.1	31.2	31.3	31.3	31.3
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-17.8	-13.0	-9.4	-9.0	-8.9	-9.2	-11.8	-14.5	-17.2

Table 11O.296: Predicted Cumulative Wind Farm Noise Levels – H102 – 315°

	Standardised 10m Wind Speed (m/s)								
	4	5	6	7	8	9	10	11	12
Cumulative without Calon y Gwynt	21.3	25.9	29.0	29.2	29.3	29.3	29.2	29.1	29.1
Calon y Gwynt	23.5	28.3	32.4	32.4	32.4	33.2	33.3	33.3	33.3
Cumulative with Calon y Gwynt	25.5	30.3	34.0	34.1	34.1	34.7	34.7	34.7	34.7
ETSU-R-97 Upper Daytime Noise Criterion / ARWTN Daytime TNAC	40.0	40.0	40.0	40.0	40.0	40.4	43.1	45.8	48.5
Compliance	-14.5	-9.7	-6.0	-5.9	-5.9	-5.7	-8.4	-11.1	-13.8



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