Annex E – Background Noise and Noise Limits

Figure E1 - Chart of background noise levels against wind speeds, the best fit curve to the data, the derived noise limit curve for Snar Farm during quiet day-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

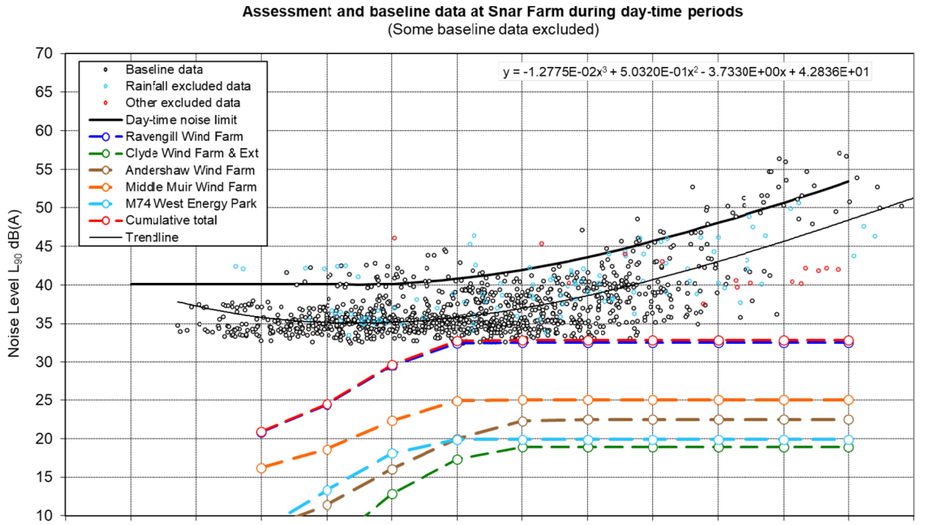

Figure E2 - Chart of background noise levels against wind speeds, the best fit curve to the data, the derived noise limit curve for Snar Farm during night-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

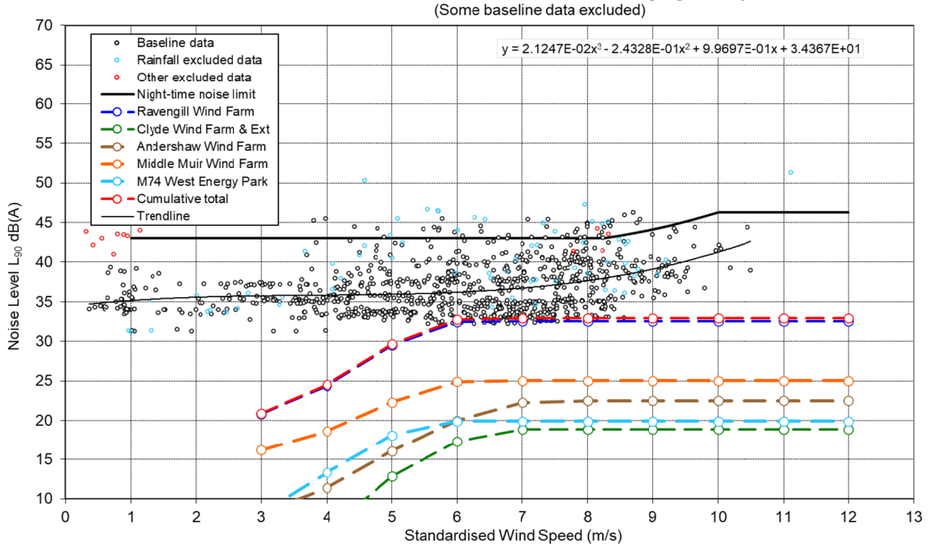

Figure E3 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Hurlieburn Lodge (Douglas Lodge baseline) during quiet day-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

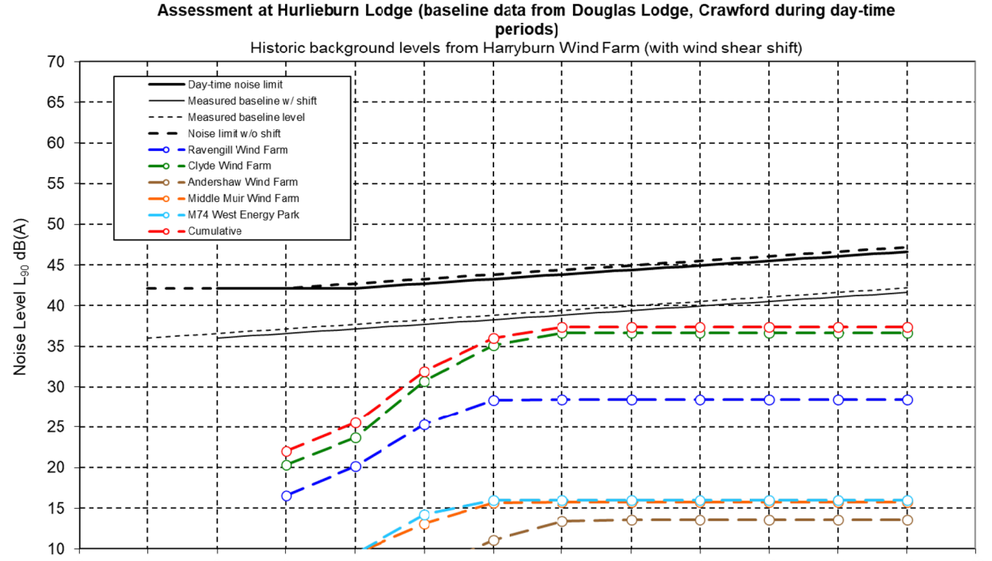

Figure E4 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Hurlieburn Lodge (Douglas Lodge baseline) during night-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

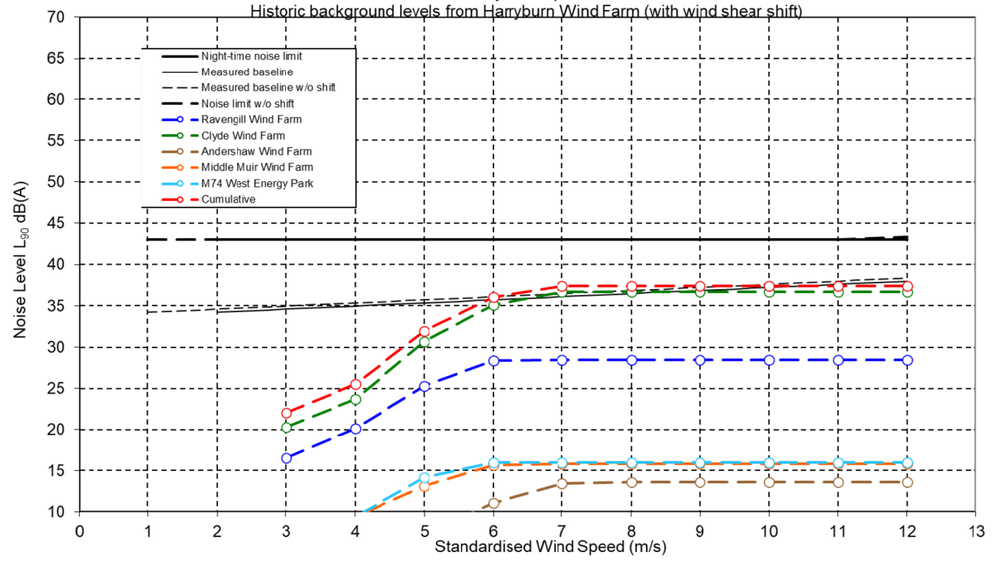

Figure E5 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Elvanfoot Farm (76 Dumfries Road baseline) during quiet day-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

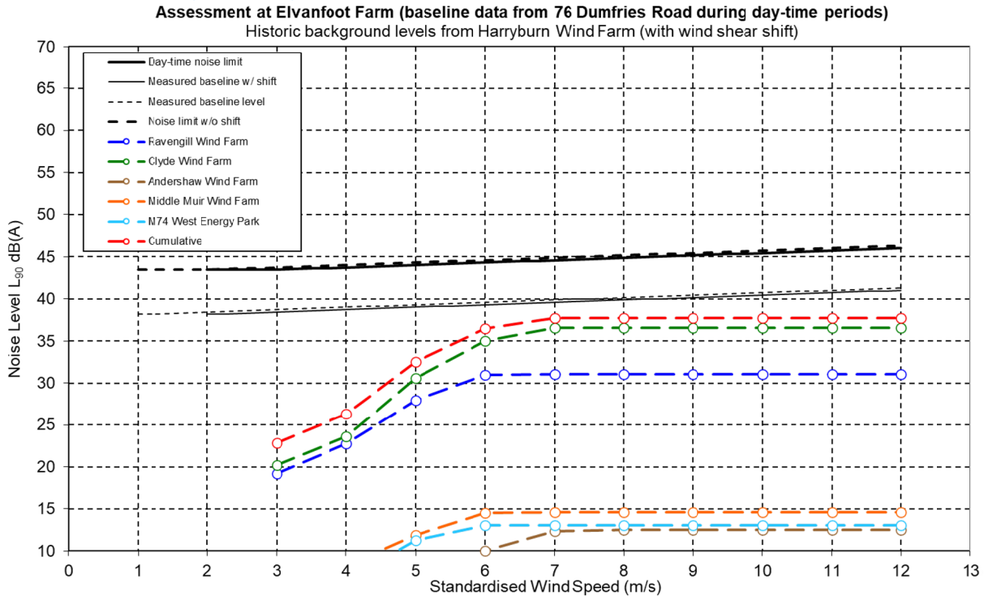

Figure E6 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Elvanfoot Farm (76 Dumfries Road baseline) during night-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms, and the cumulative total.

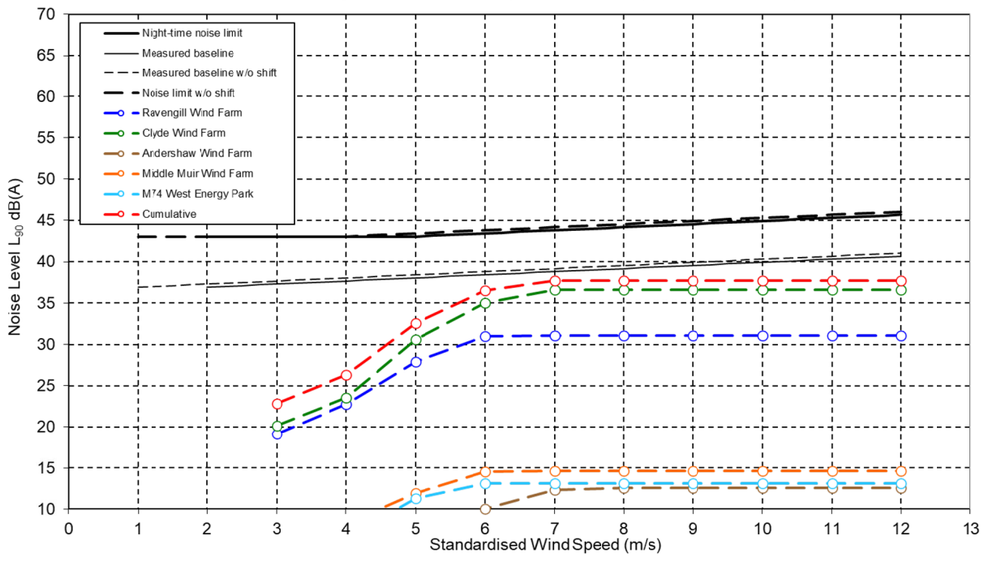

Figure E7 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Glencaple Farm House (Glencaple Cottage baseline) during quiet day-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

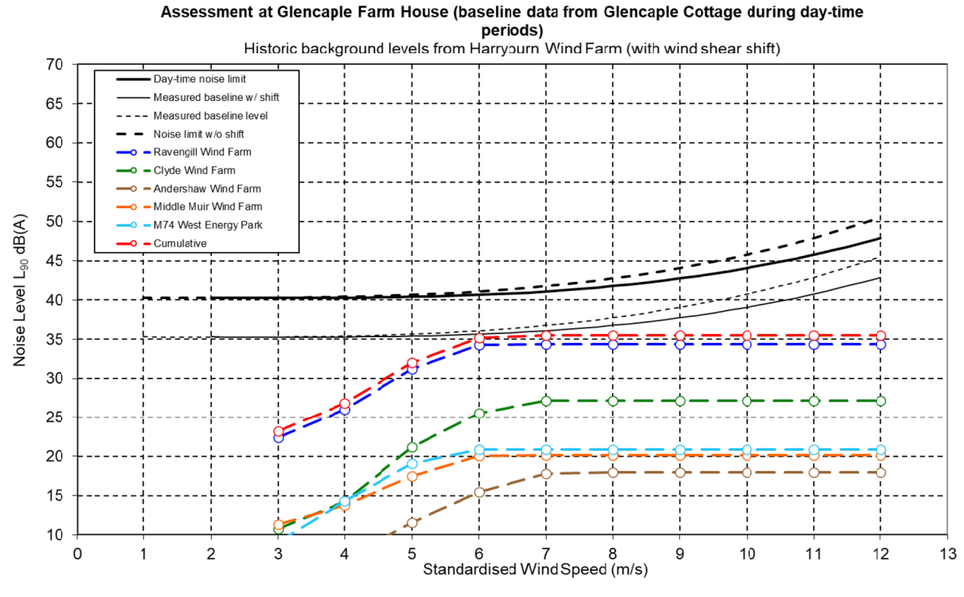

Figure E8 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Glencaple Farm House (Glencaple Cottage baseline) during night-time periods. Predicted immission noise levels are also shown for the Proposed Development and the other wind farms (combined and individual contributions) considered and the cumulative total.

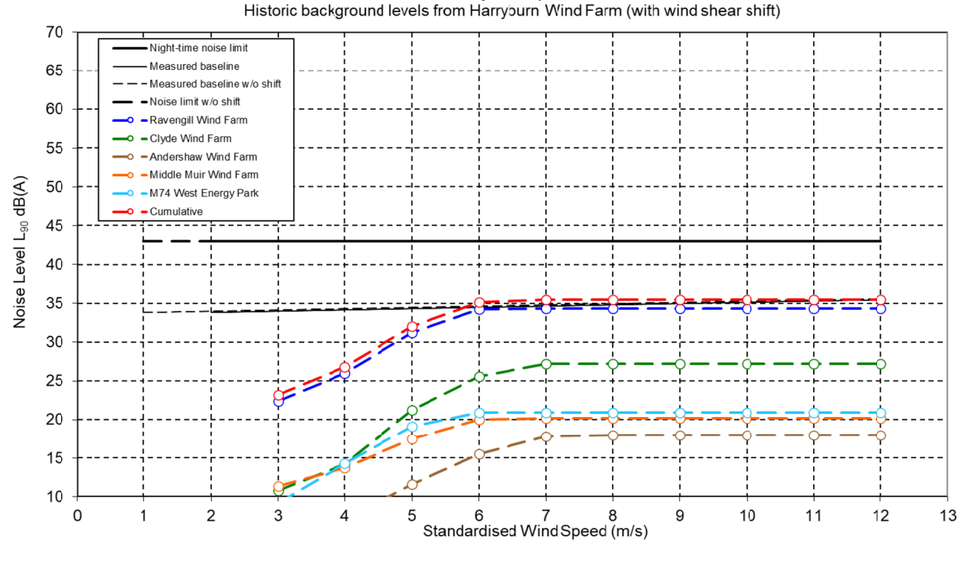

Figure E9 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for South Shortcleugh during quiet day-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

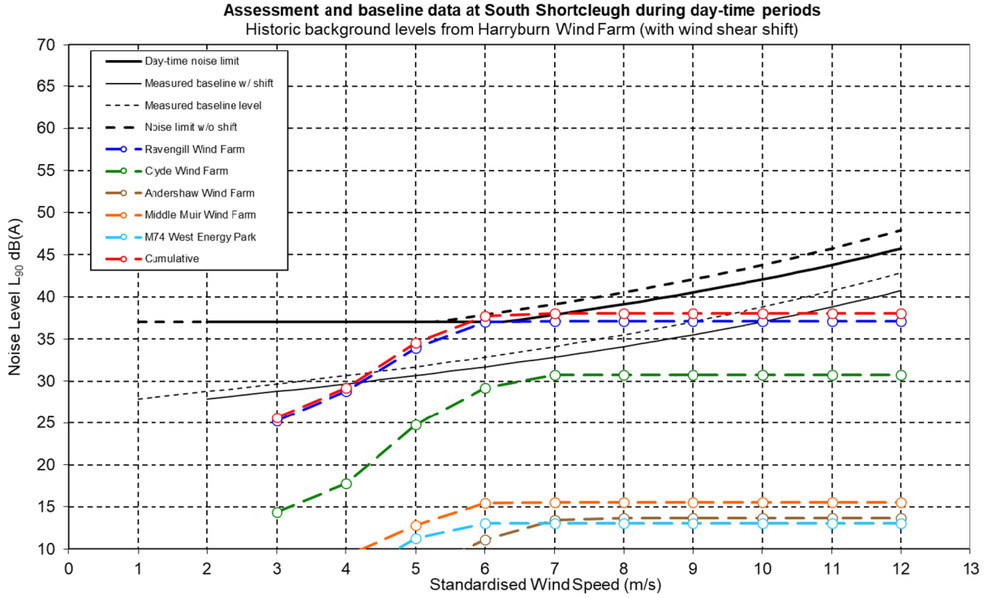

Figure E10 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for South Shortcleugh during night-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

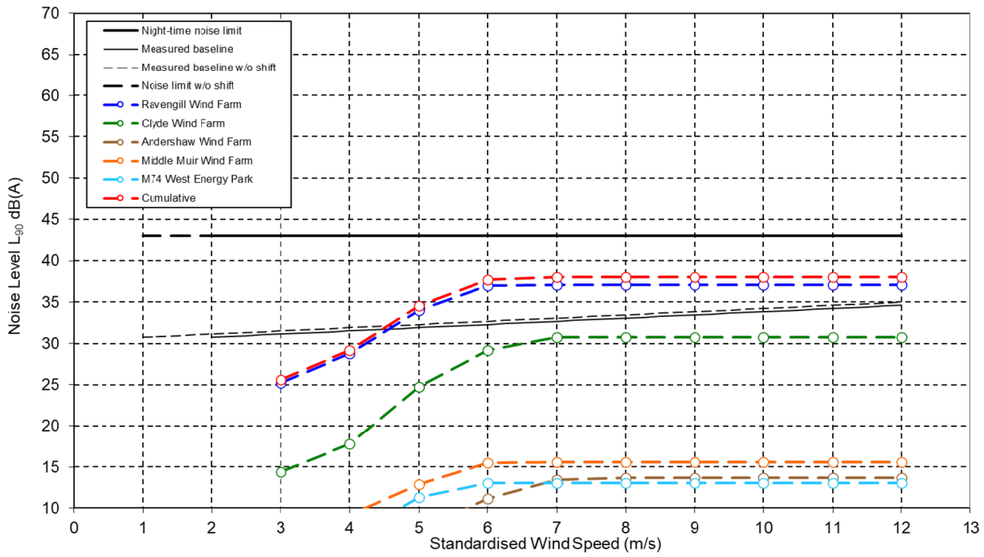

Figure E11 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Leadhills (Symington Street baseline) during quiet day time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

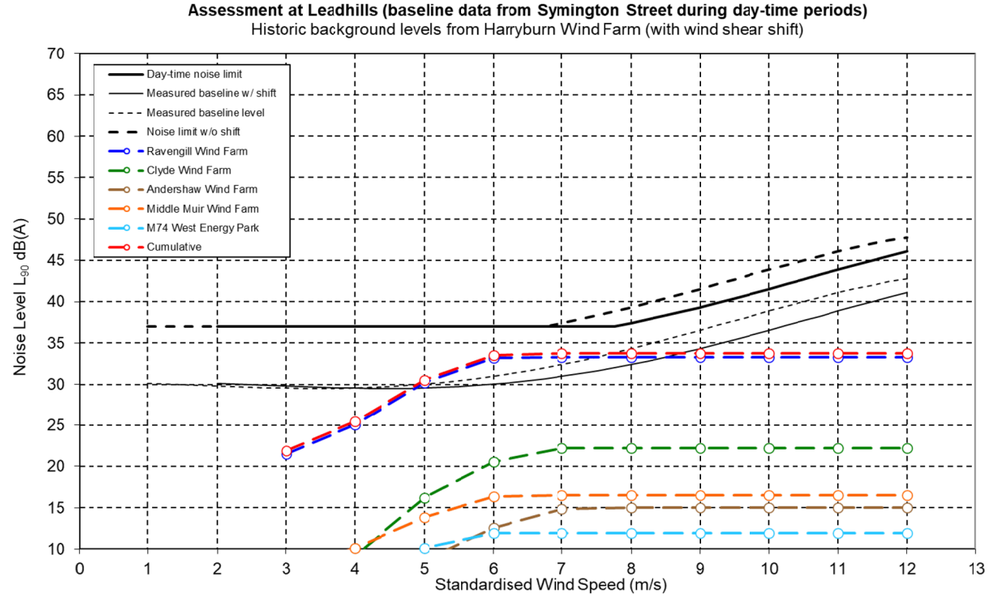

Figure E12 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Leadhills (Symington Street baseline) during night-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

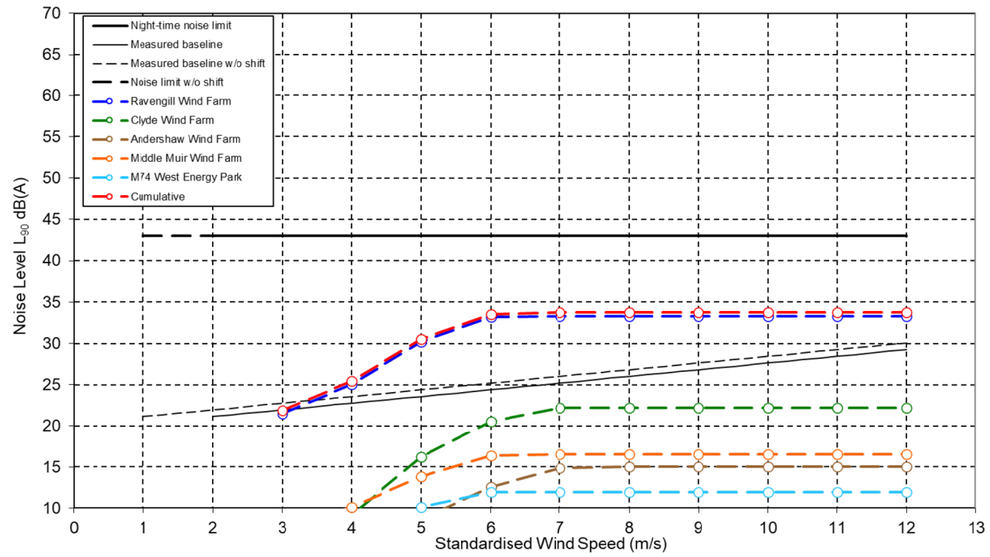

Figure E13 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Waterhead Toll Cottage Lodge during quiet day time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

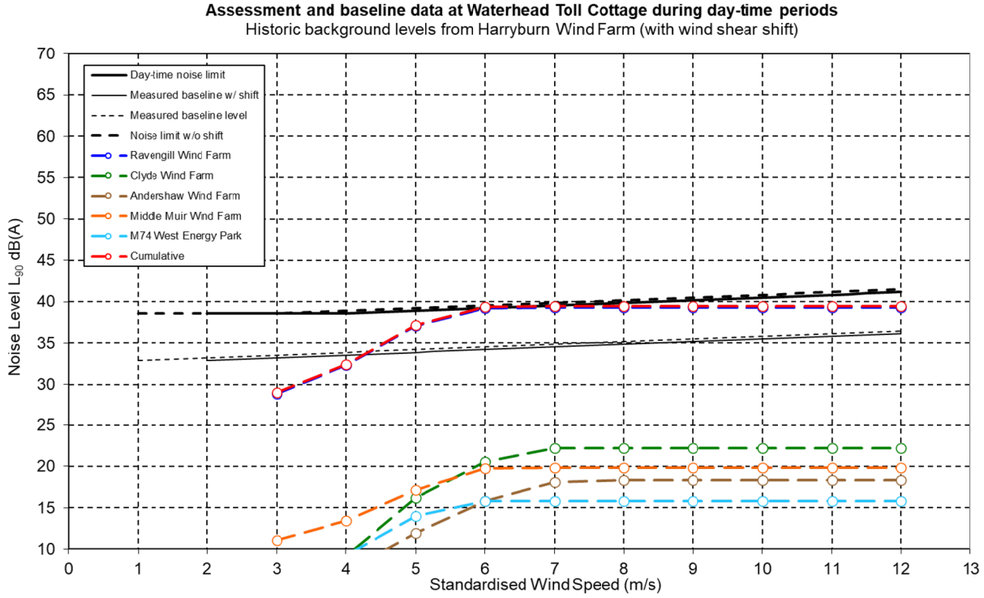

Figure E14 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Waterhead Toll Cottage during night-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

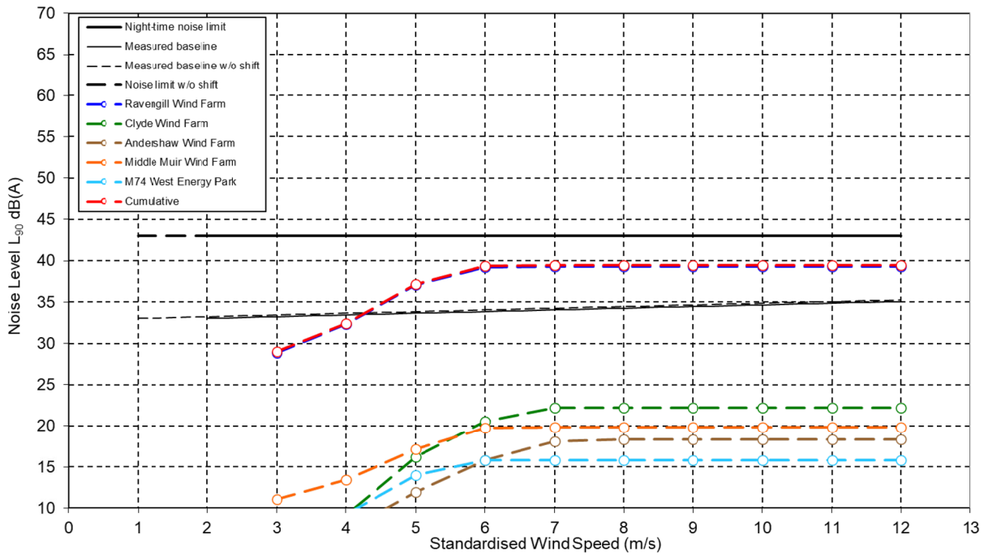

Figure E15 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Dentercleuch (Meadowfoot baseline) during quiet day time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.

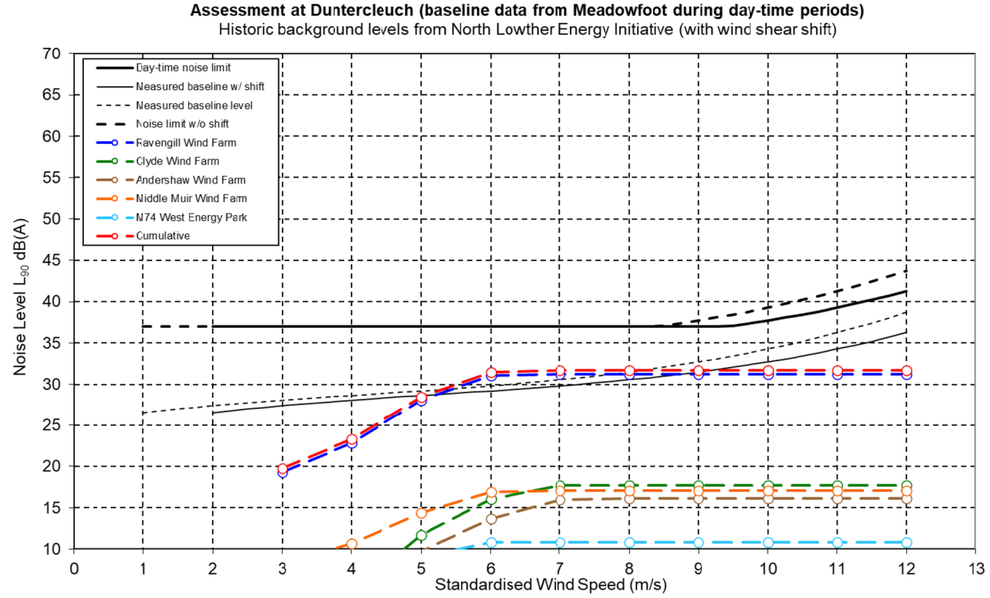

Figure E16 - Chart of background noise levels against wind speeds, the best fit curve (with and without windshear shift) to the data, the derived noise limit curve for Dentercleuch (Meadowfoot baseline) during night-time periods. Predicted immission noise levels are also shown for the Proposed Development, the other wind farms considered, and the cumulative total.