



Islandmore Wind Farm

Environmental Impact Assessment
Report

Annex 12.4: Operational Wind
Turbine Noise Assessment Graphs

Islandmore Wind Farm Limited



Islandmore Wind Farm Limited

Islandmore Wind Farm – Noise and Vibration

Annex 12.4

Operational Wind Turbine Noise Assessment Graphs

Project Number: 23113

Document Reference: 23113-R4 V2

Document Date: 16/07/2026

Author: RSC

This report is provided for the stated purposes and for the sole use of the named Client. It will be confidential to the Client and the client's professional advisers. Bow Acoustics accepts responsibility to the Client alone that the report has been prepared with the skill, care and diligence of a competent engineer, but accepts no responsibility whatsoever to any parties other than the Client. Any such parties rely upon the report at their own risk. Neither the whole nor any part of the report nor reference to it may be included in any published document, circular or statement nor published in any way without Bow Acoustics' written approval of the form and content in which it may appear.

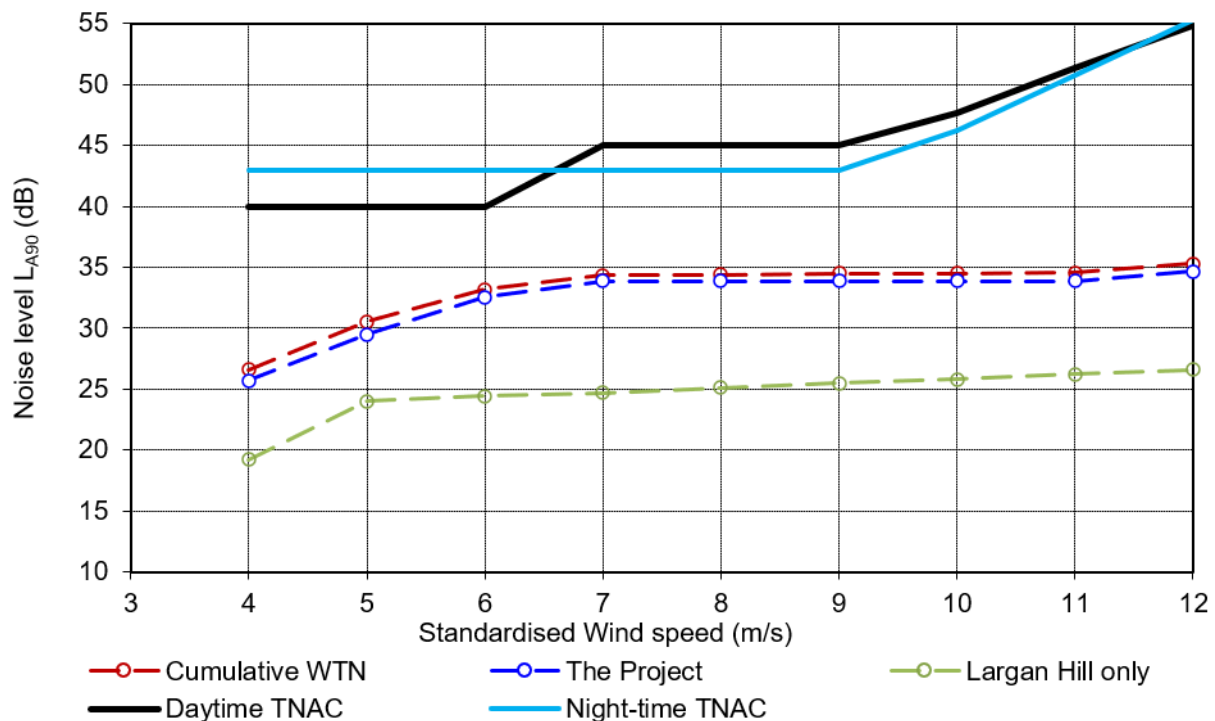
1 Introduction

1.1.1 This Annex provides the detailed calculation results of the predicted wind turbine noise immission level at each of the Noise Sensitive Receptors (NSRs). Set out subsequently for each NSR is the following information both in graphical format:

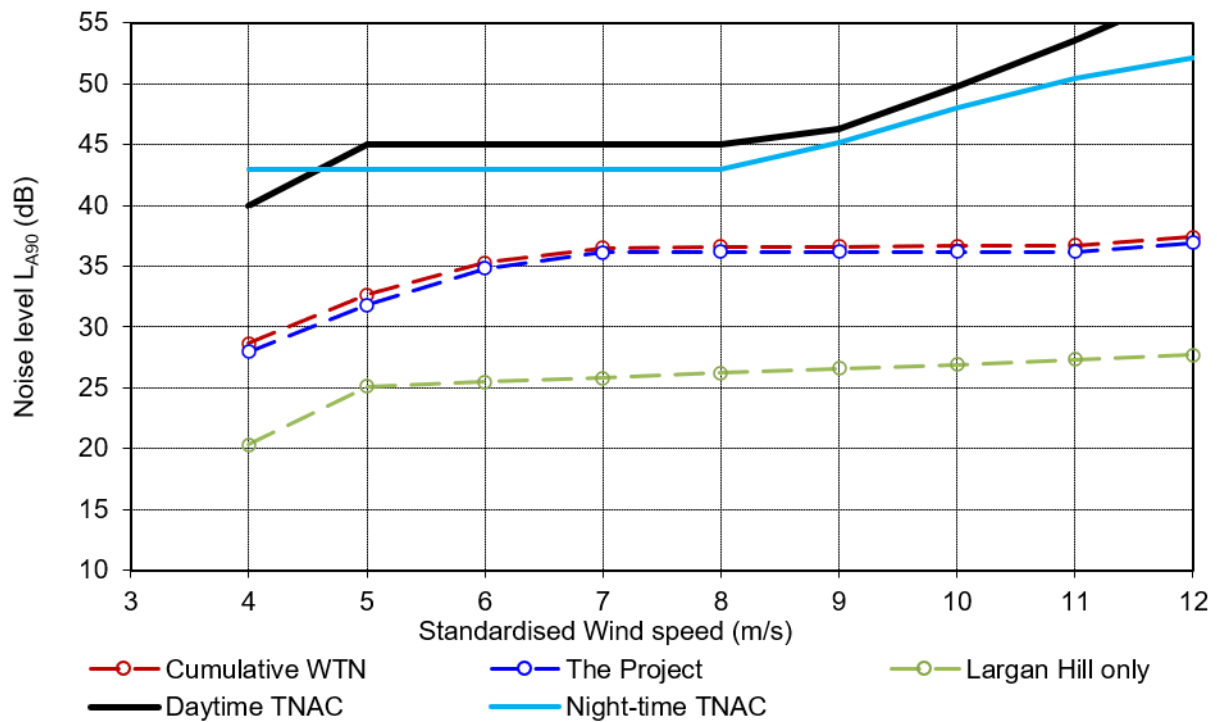
- The overall total noise acceptance criteria (TNAC) for the daytime (solid black line) and night-time (solid light blue line);
- The Project wind turbine noise for the Vestas V162 & V136 (dashed dark blue line);
- Largan Hill wind turbine noise (dashed green line); and
- Cumulative wind turbine noise (dashed red line).

1.1.2 The predicted noise immission levels from the project include the appropriate uncertainty as discussed in Chapter 12 of the EIAR.

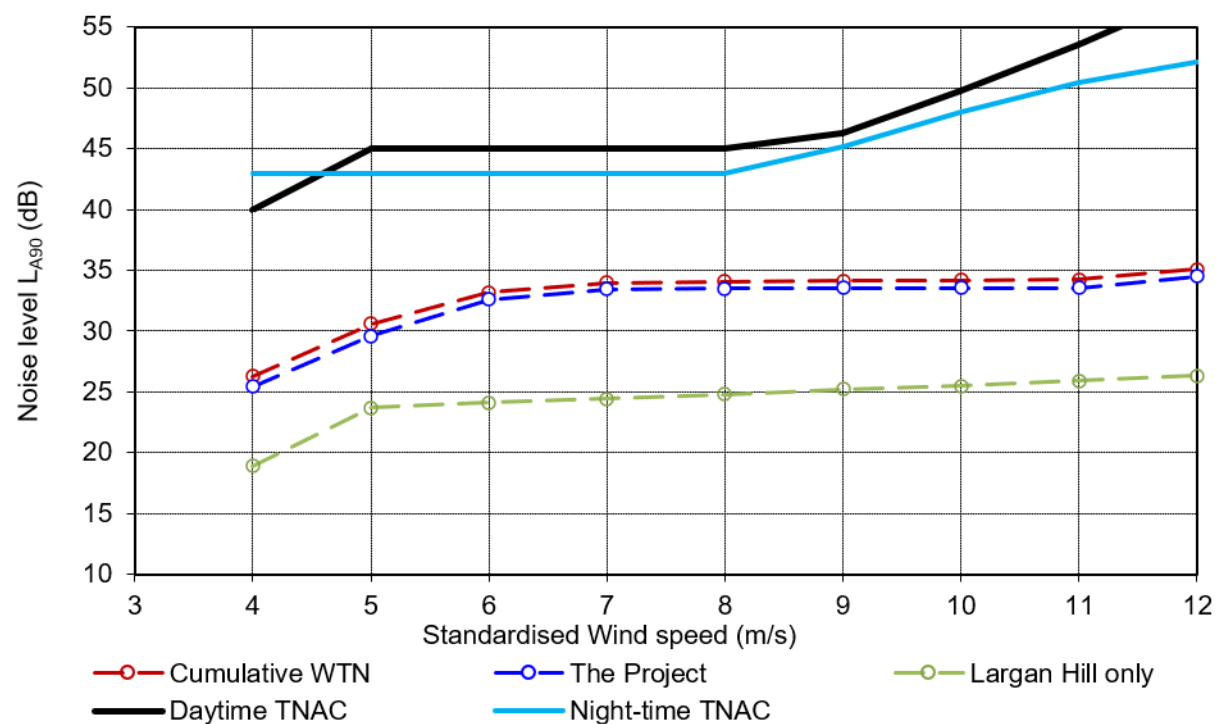
Graph 12.13 – Assessment Graph NSR01



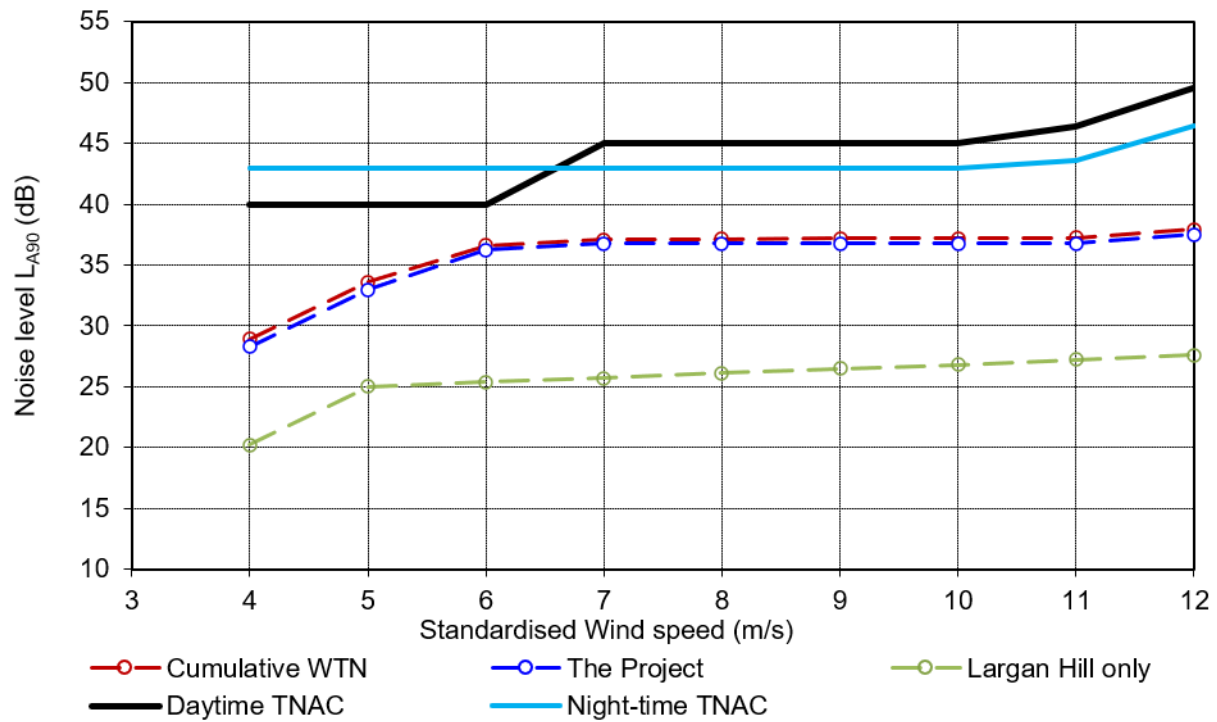
Graph 12.14 – Assessment Graph NSR02



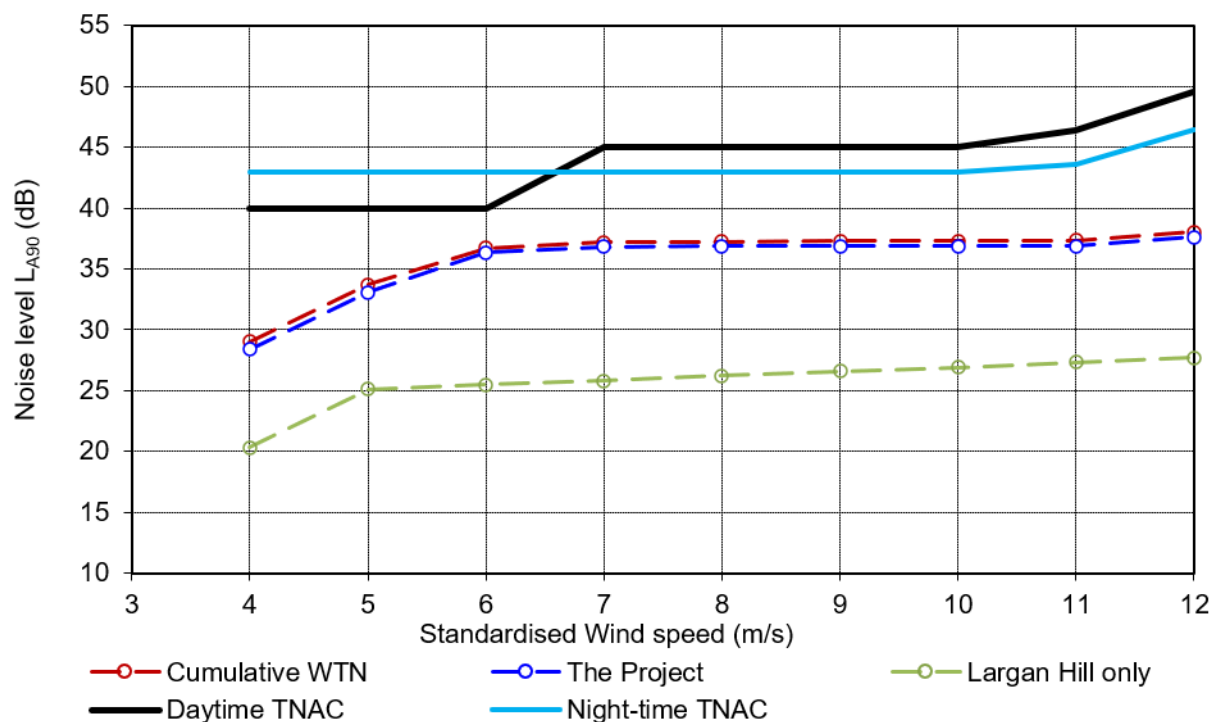
Graph 12.15 – Assessment Graph NSR03



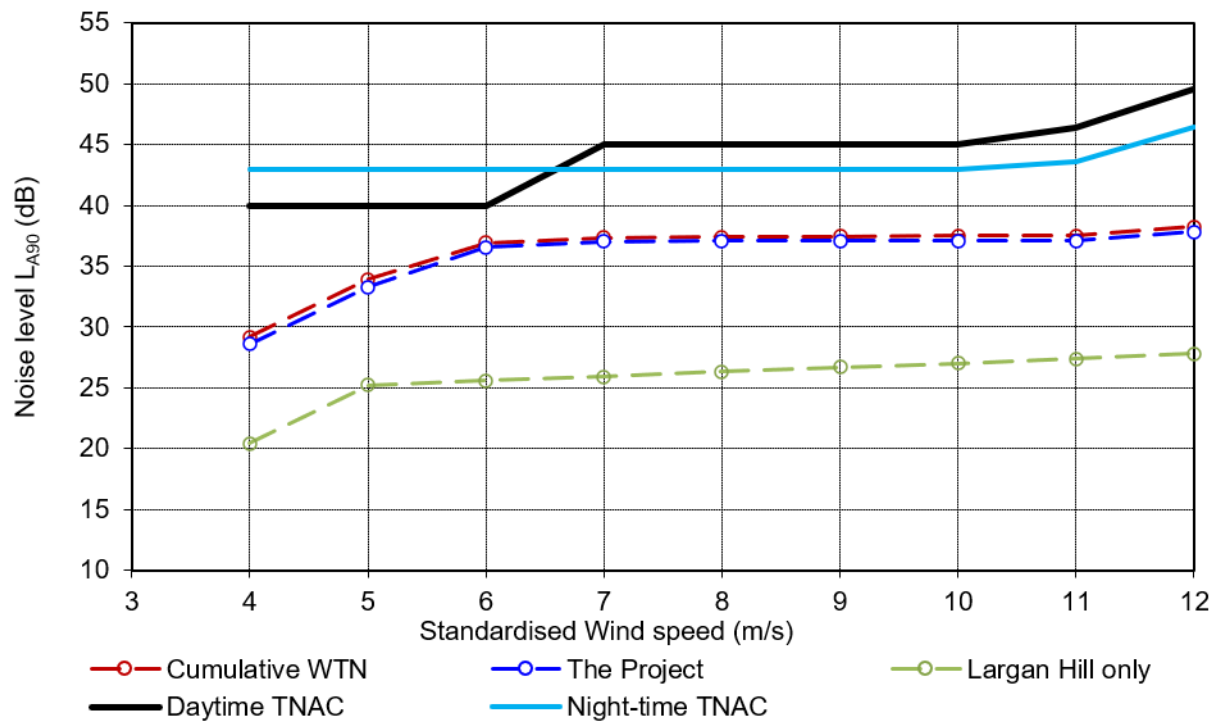
Graph 12.16 – Assessment Graph NSR04



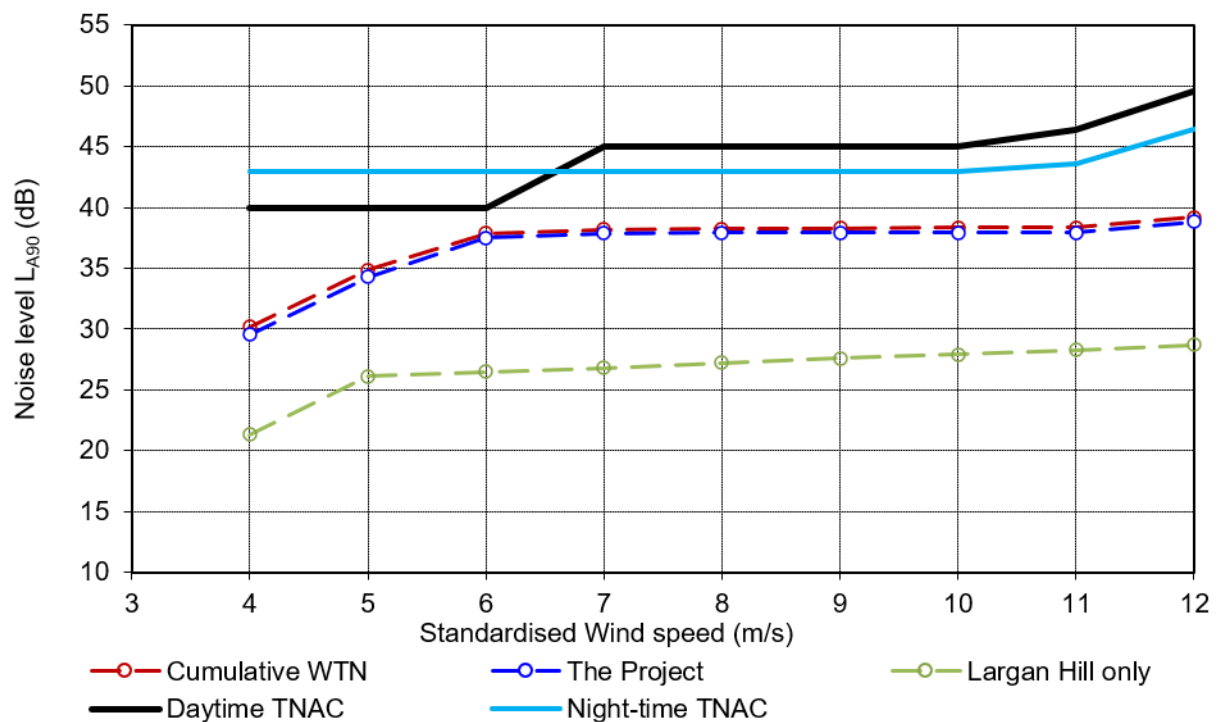
Graph 12.17 – Assessment Graph NSR05



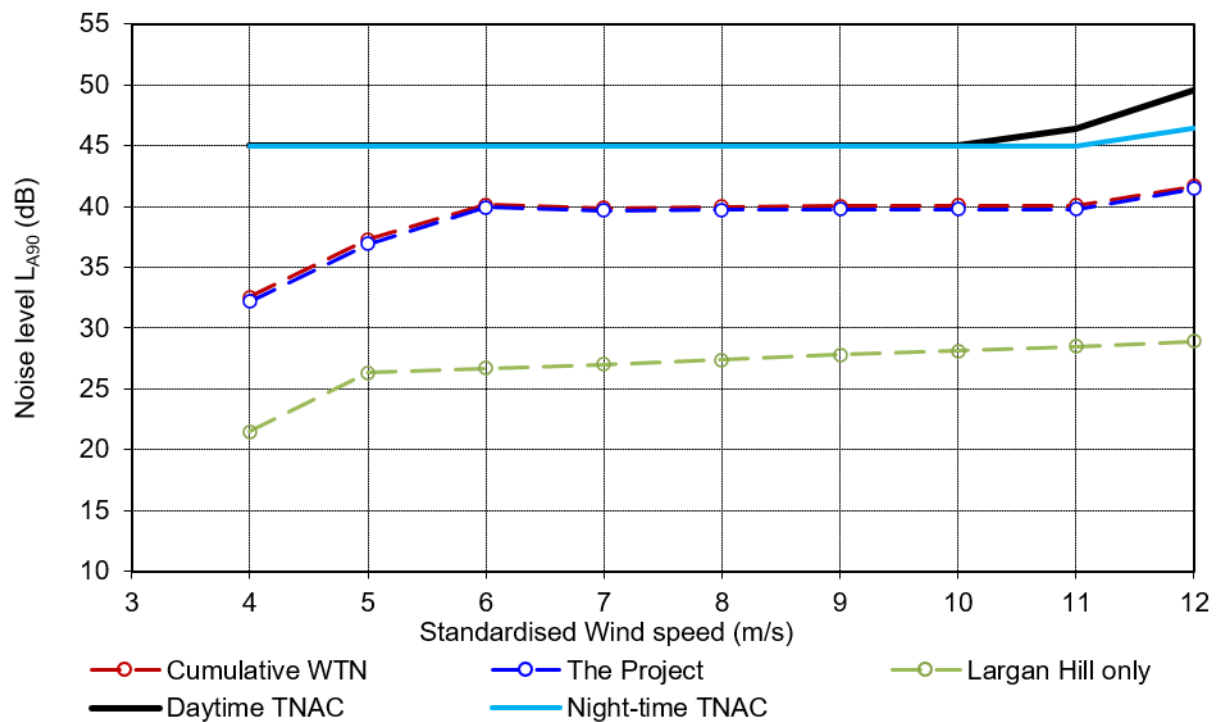
Graph 12.18 – Assessment Graph NSR06



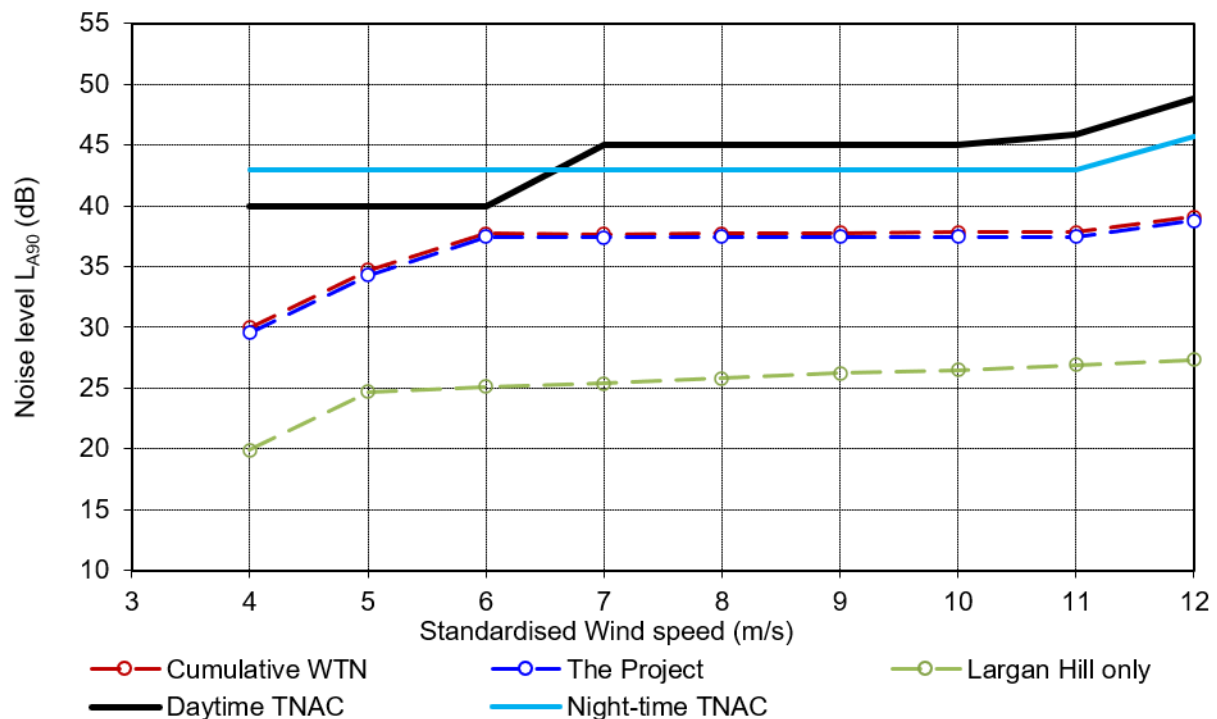
Graph 12.19 – Assessment Graph NSR07



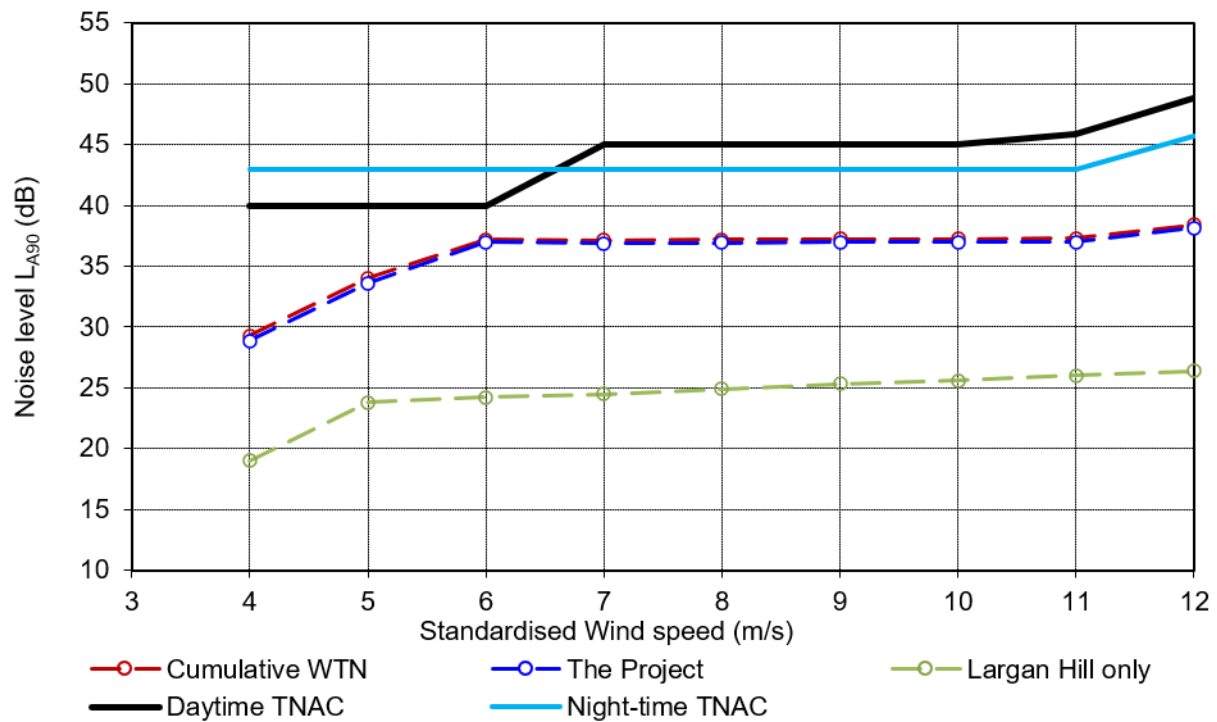
Graph 12.20 – Assessment Graph NSR08



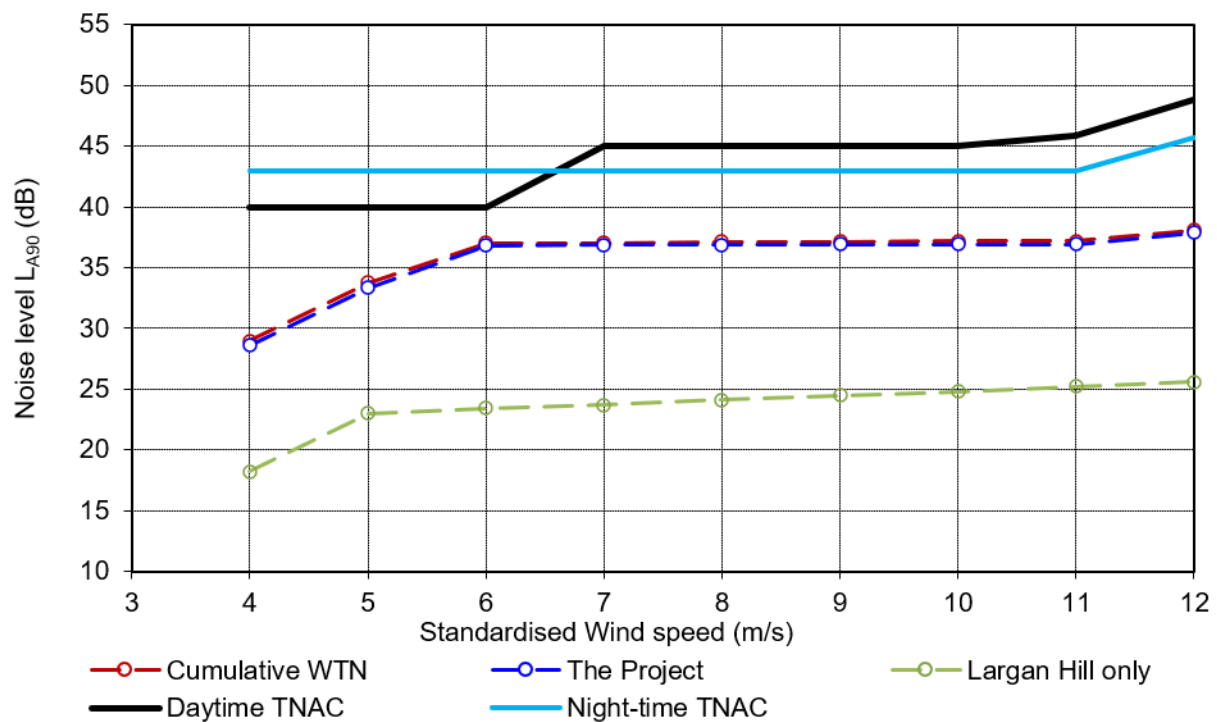
Graph 12.21 – Assessment Graph NSR09



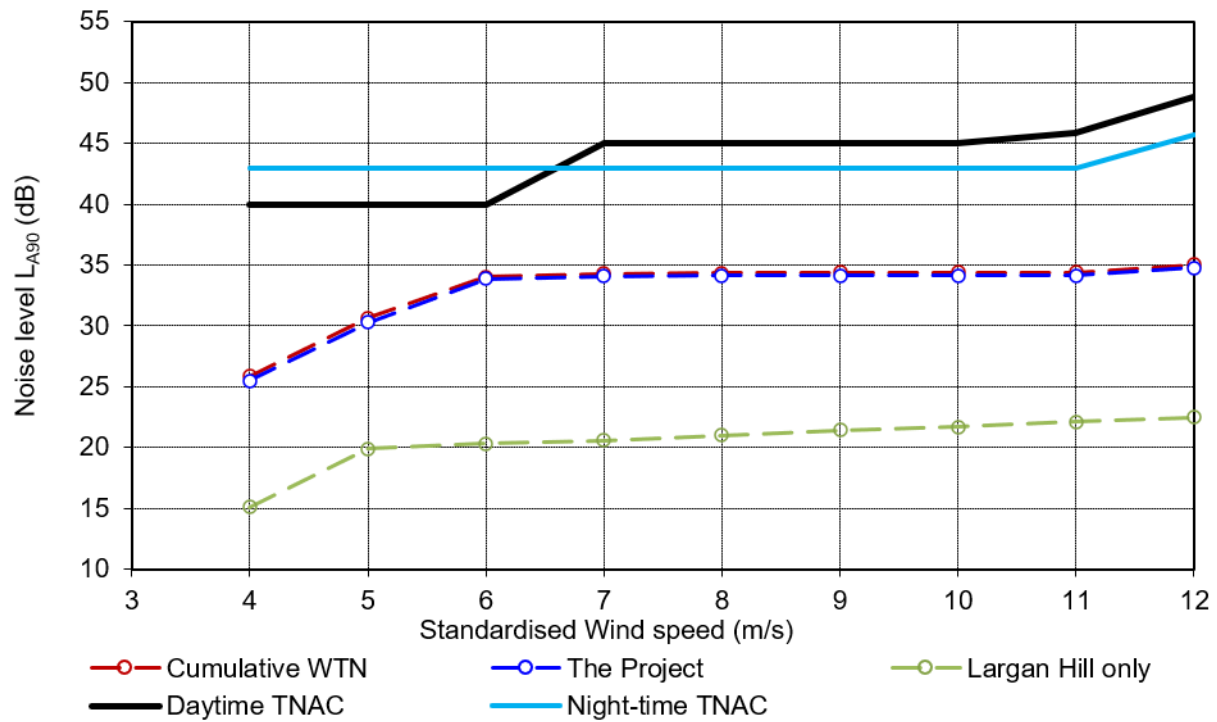
Graph 12.22 – Assessment Graph NSR10



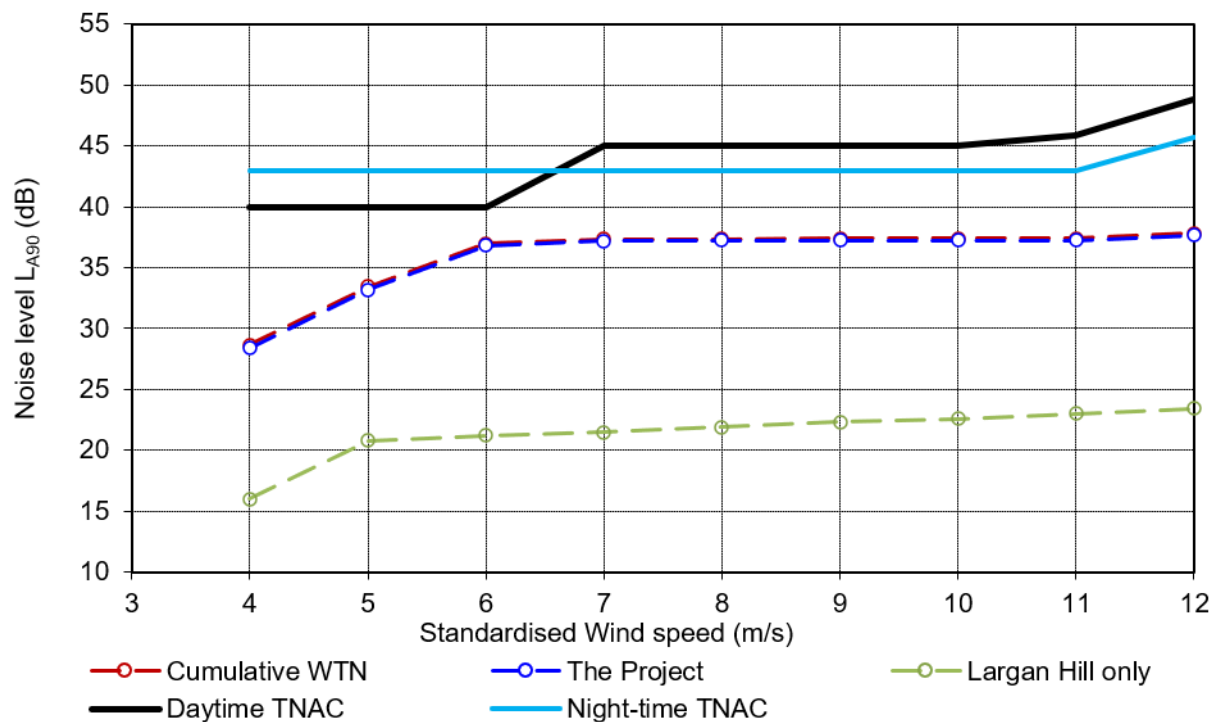
Graph 12.23 – Assessment Graph NSR11



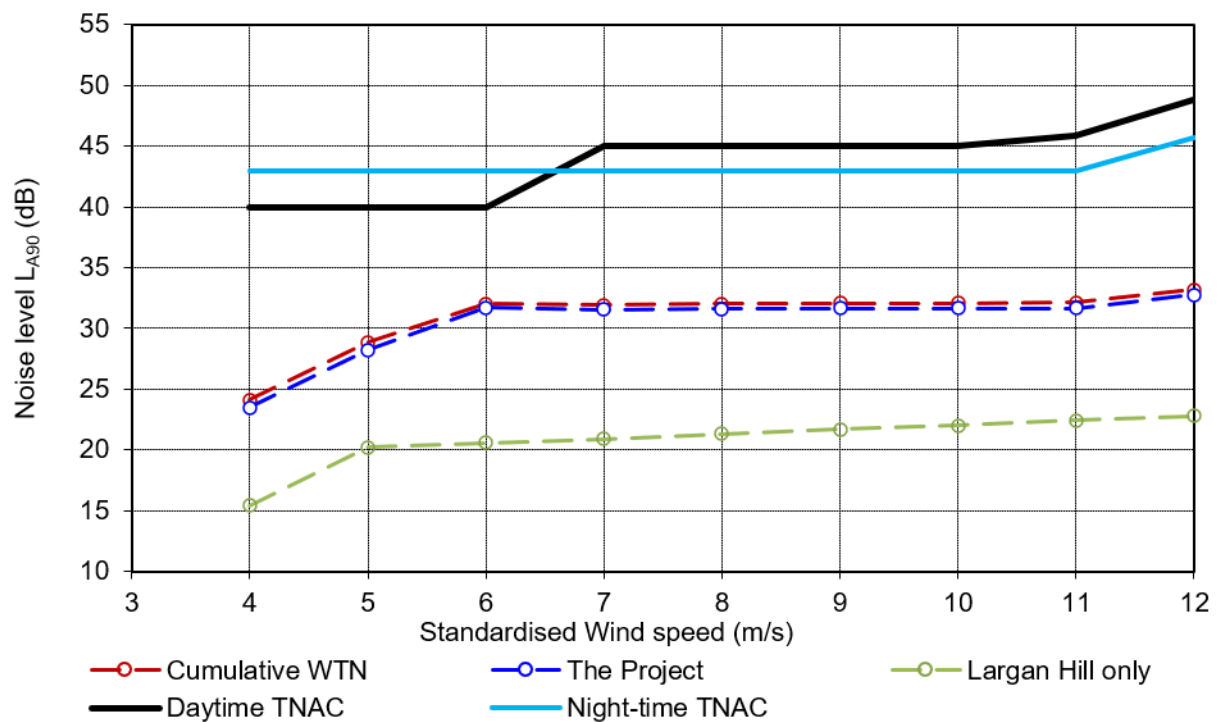
Graph 12.24 – Assessment Graph NSR12



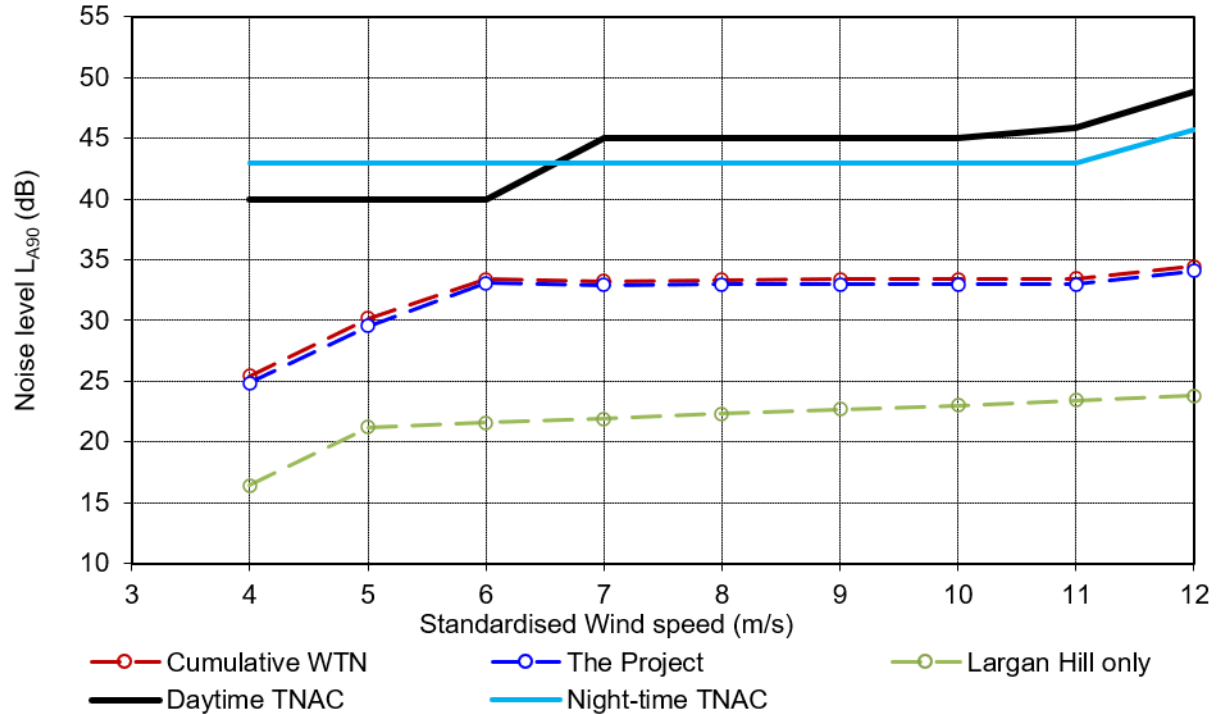
Graph 12.25 – Assessment Graph NSR13



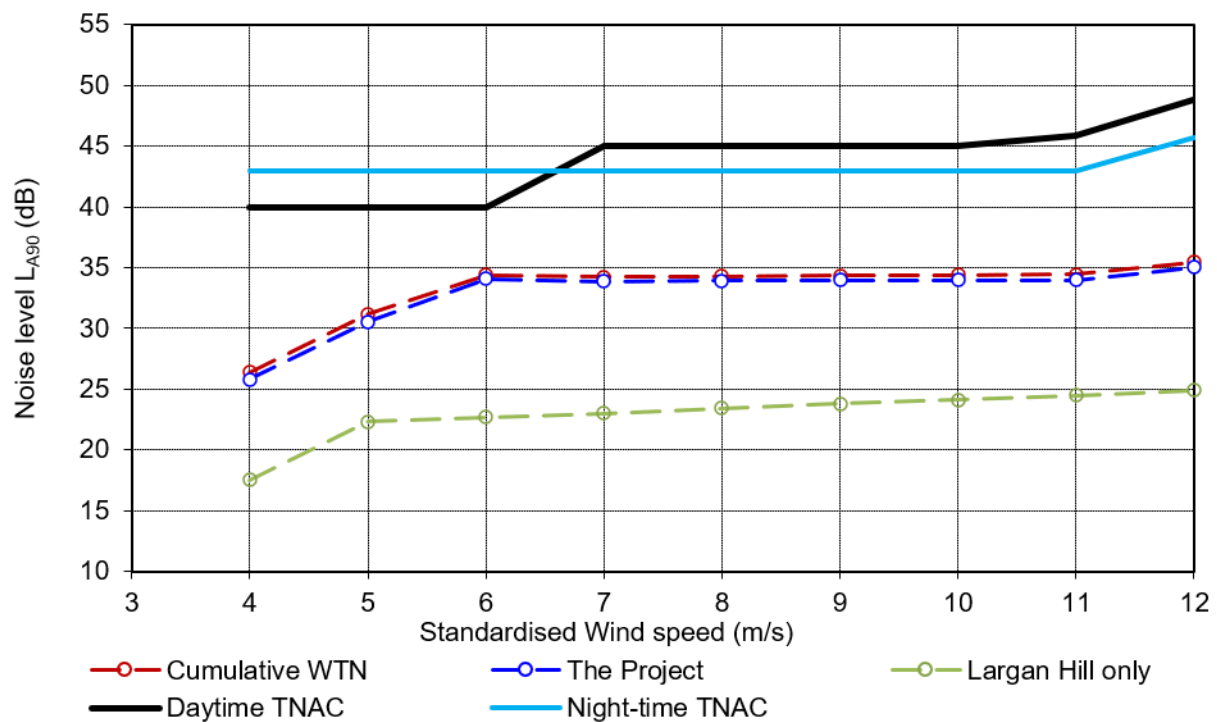
Graph 12.26 – Assessment Graph NSR14



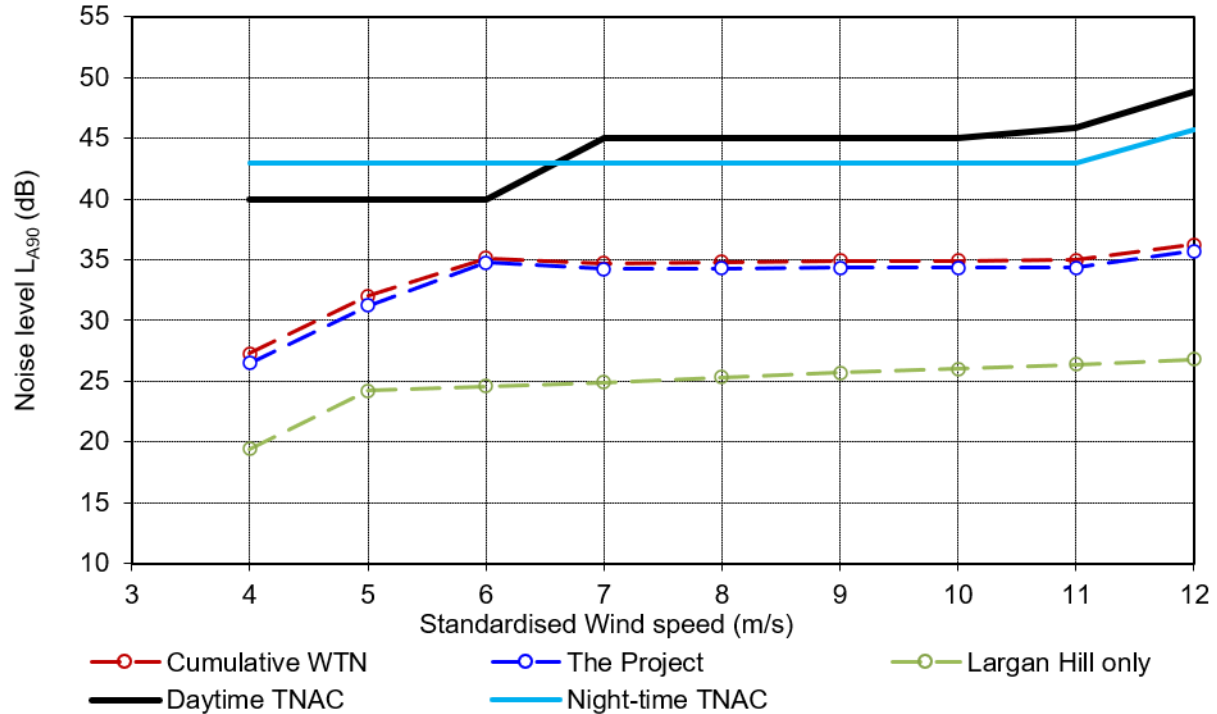
Graph 12.27 – Assessment Graph NSR15



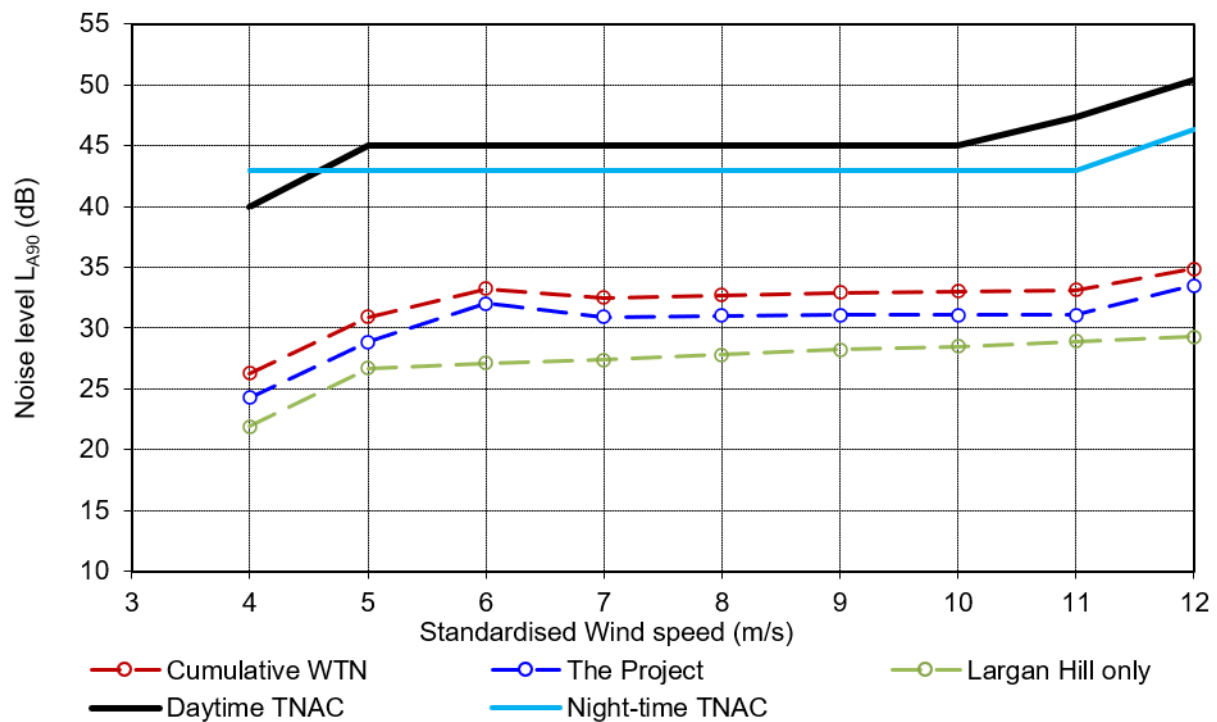
Graph 12.28 – Assessment Graph NSR16



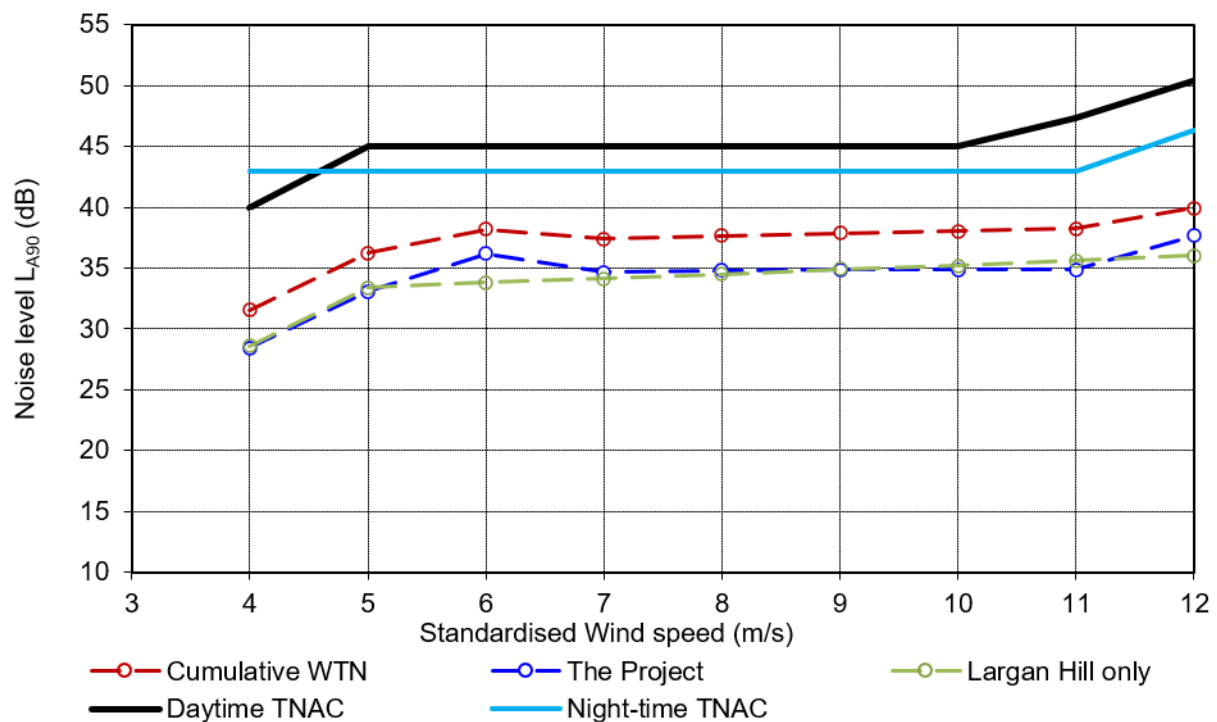
Graph 12.29 – Assessment Graph NSR17



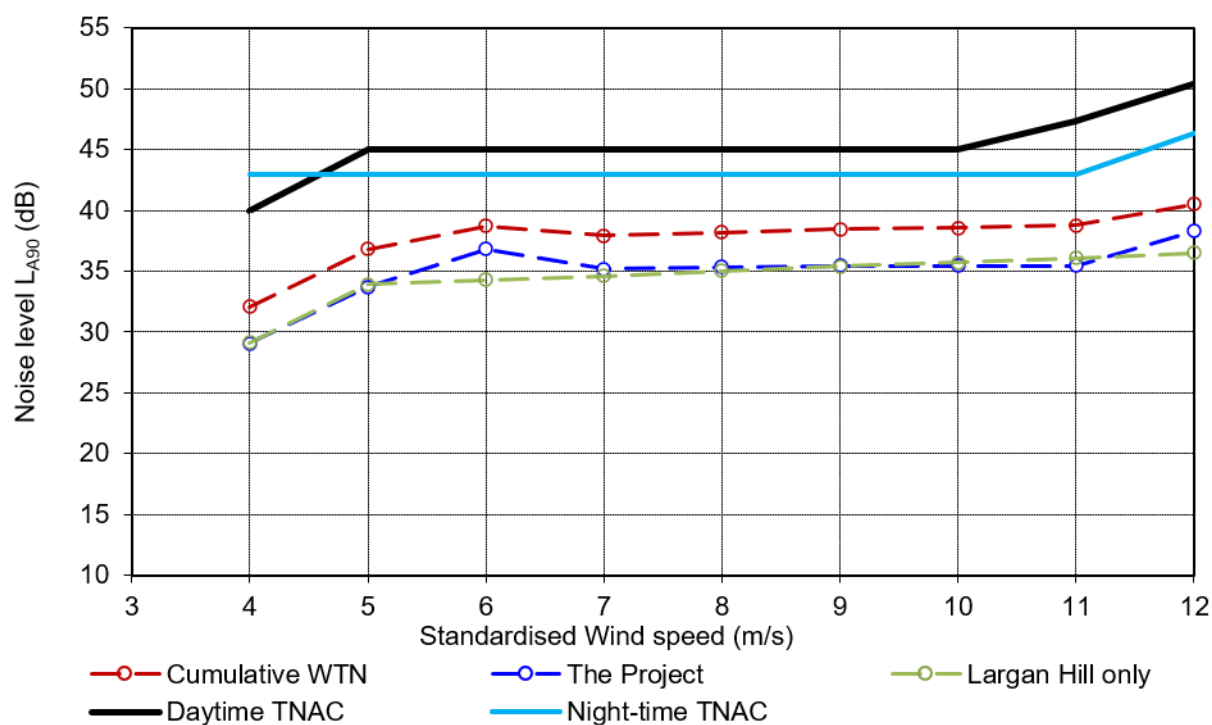
Graph 12.30 – Assessment Graph NSR18



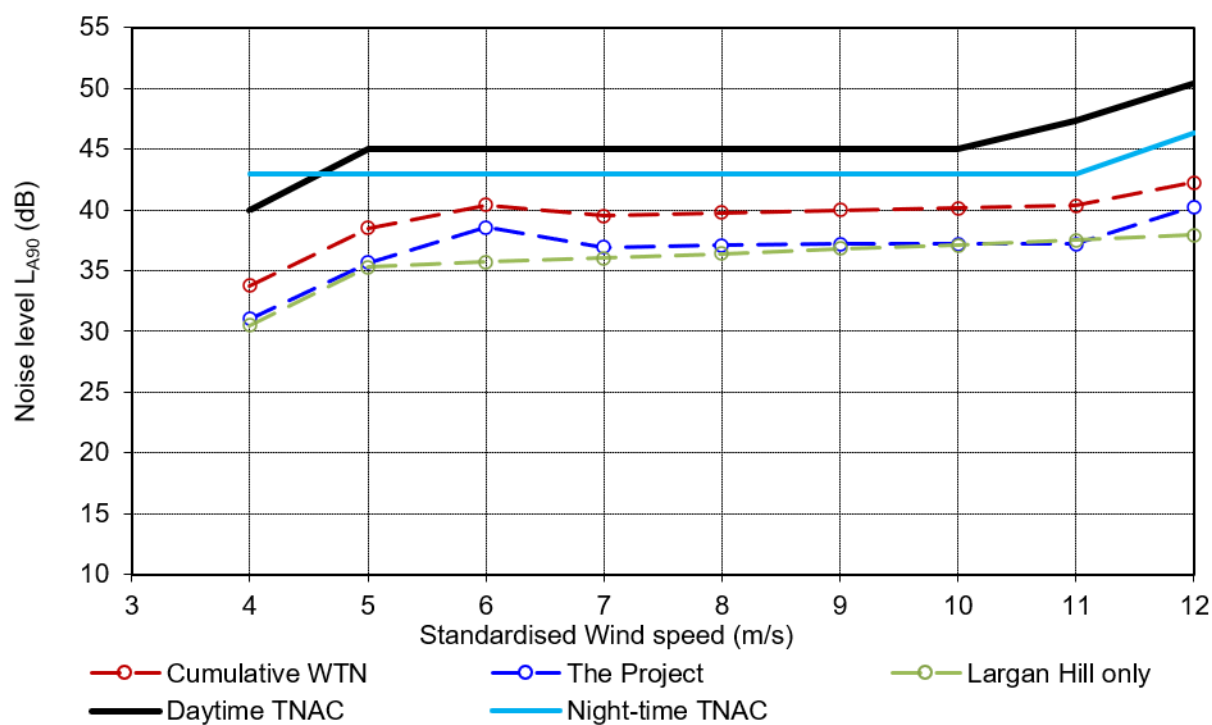
Graph 12.31 – Assessment Graph NSR19



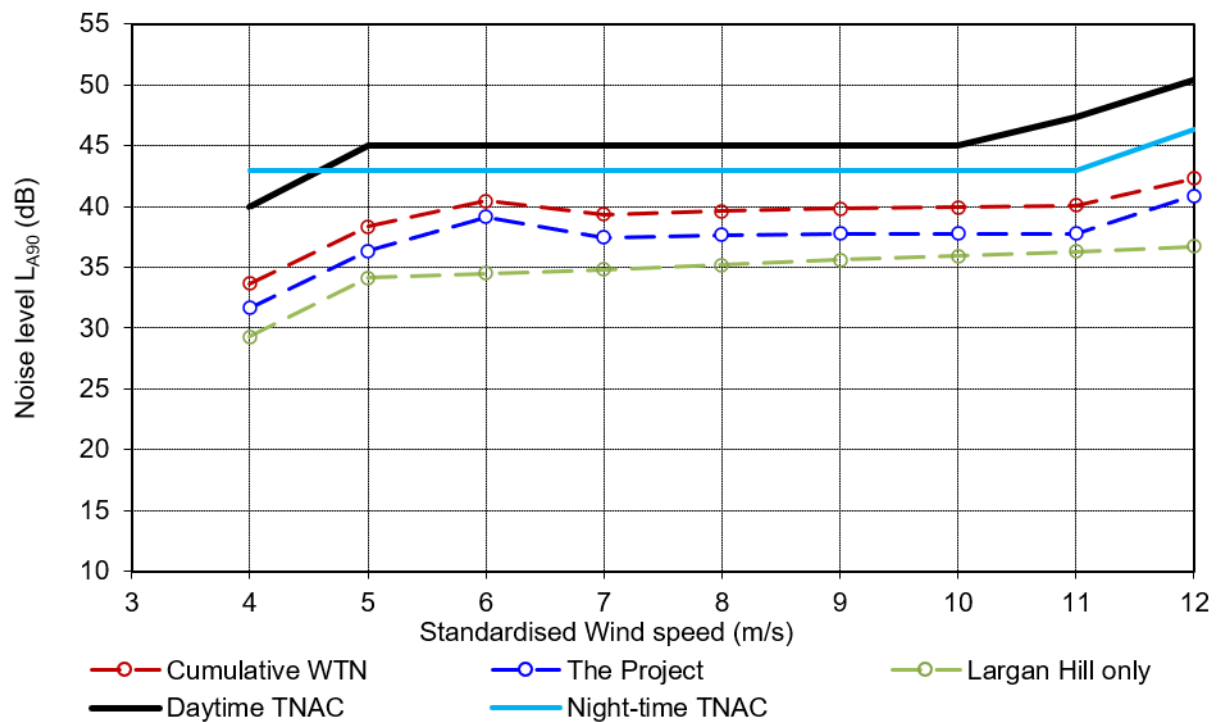
Graph 12.32 – Assessment Graph NSR20



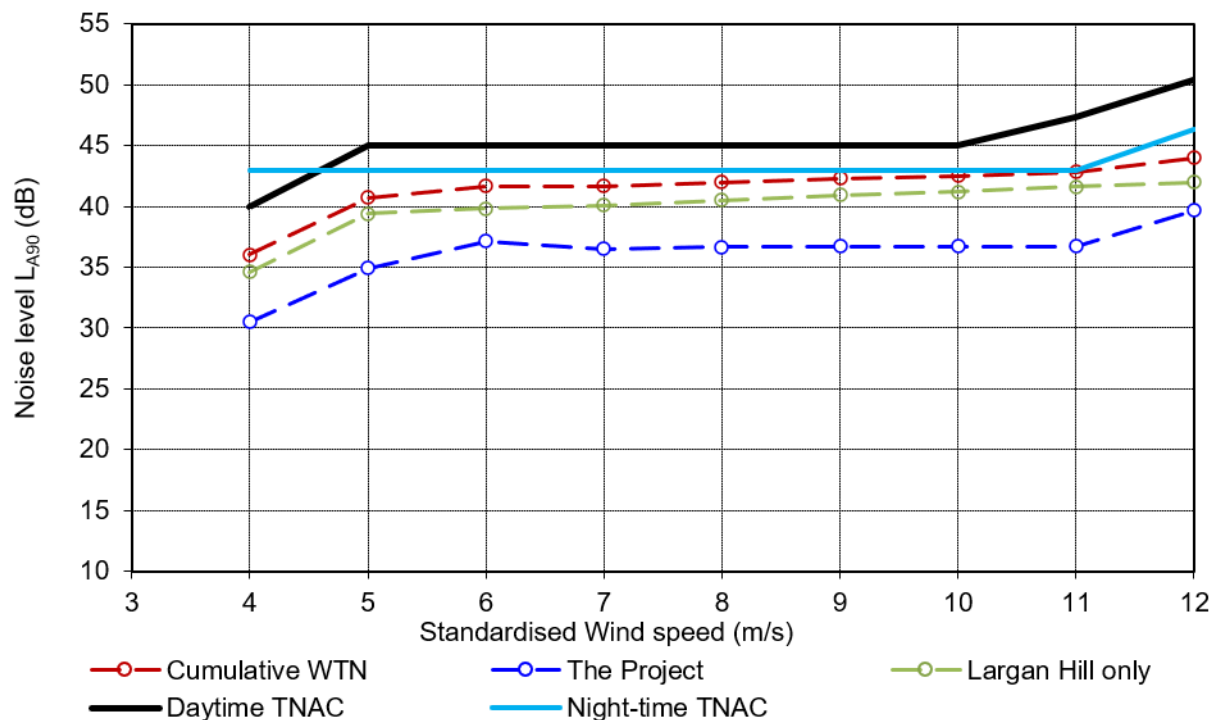
Graph 12.33 – Assessment Graph NSR21



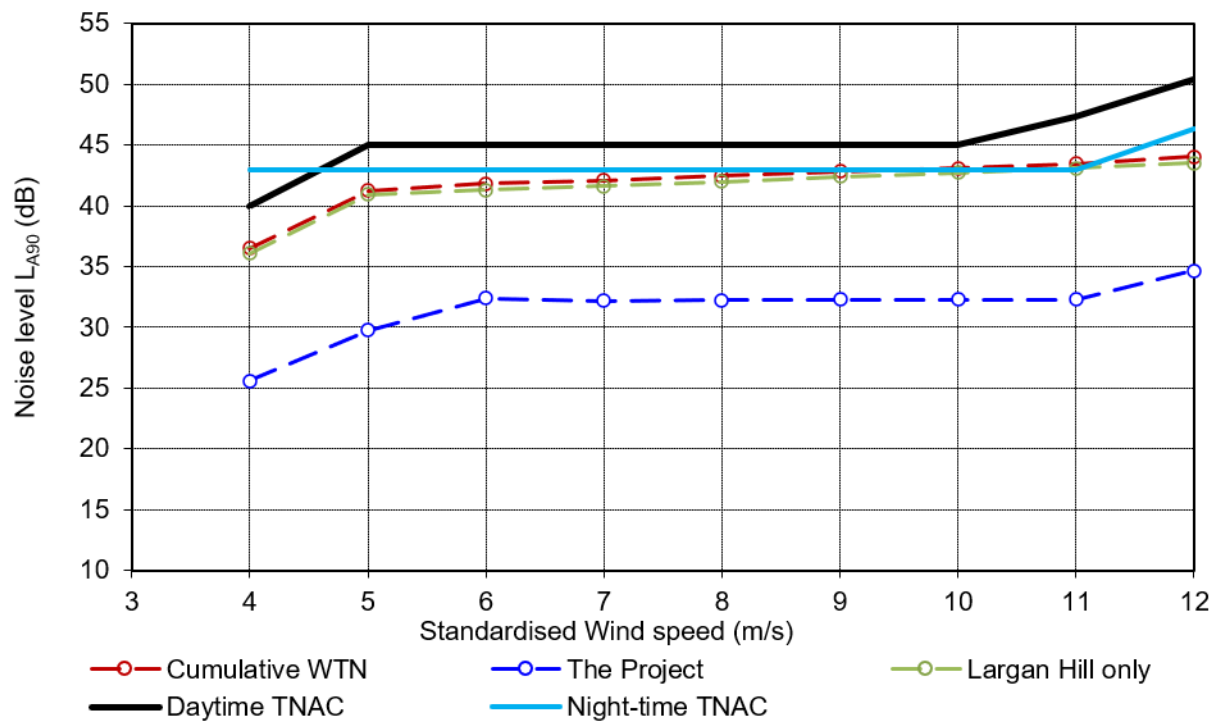
Graph 12.34 – Assessment Graph NSR22



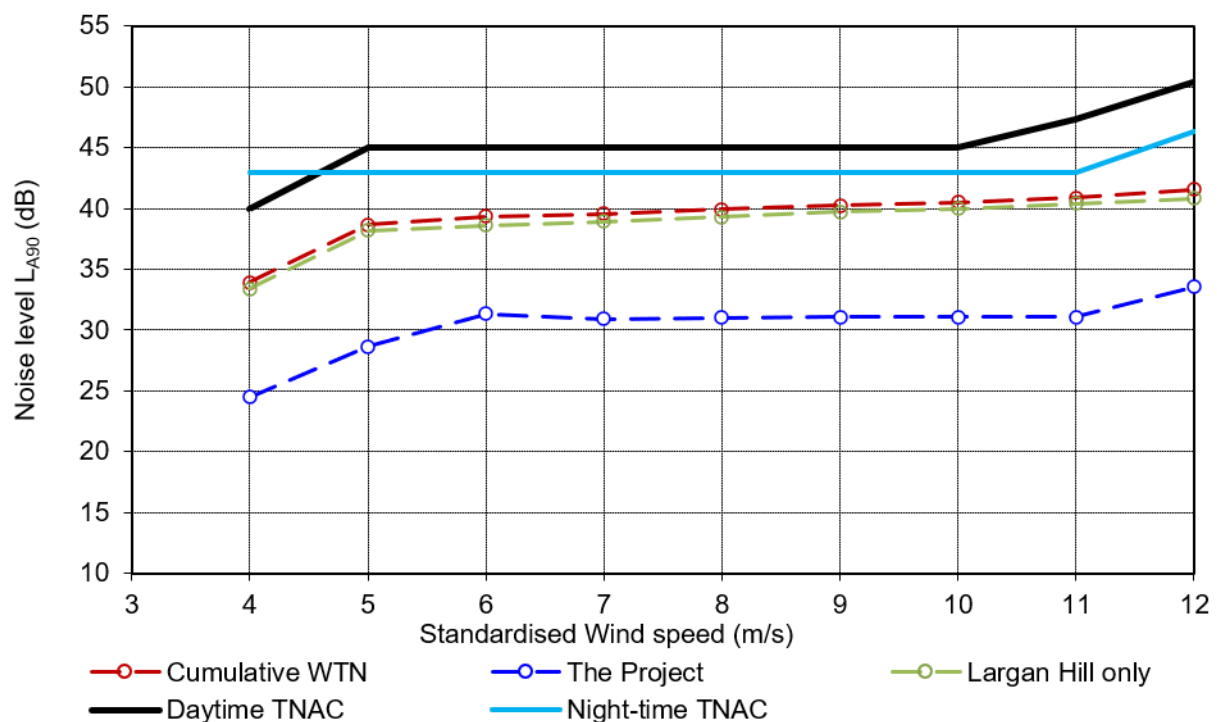
Graph 12.35 – Assessment Graph NSR23



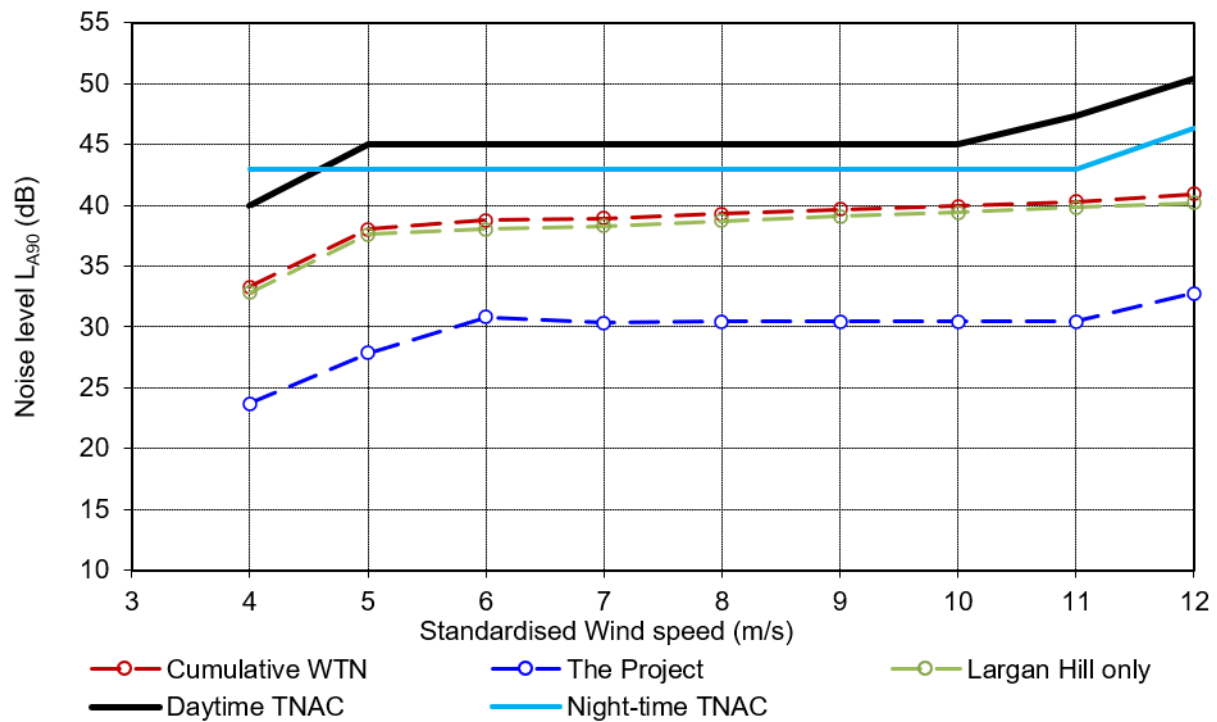
Graph 12.36 – Assessment Graph NSR24



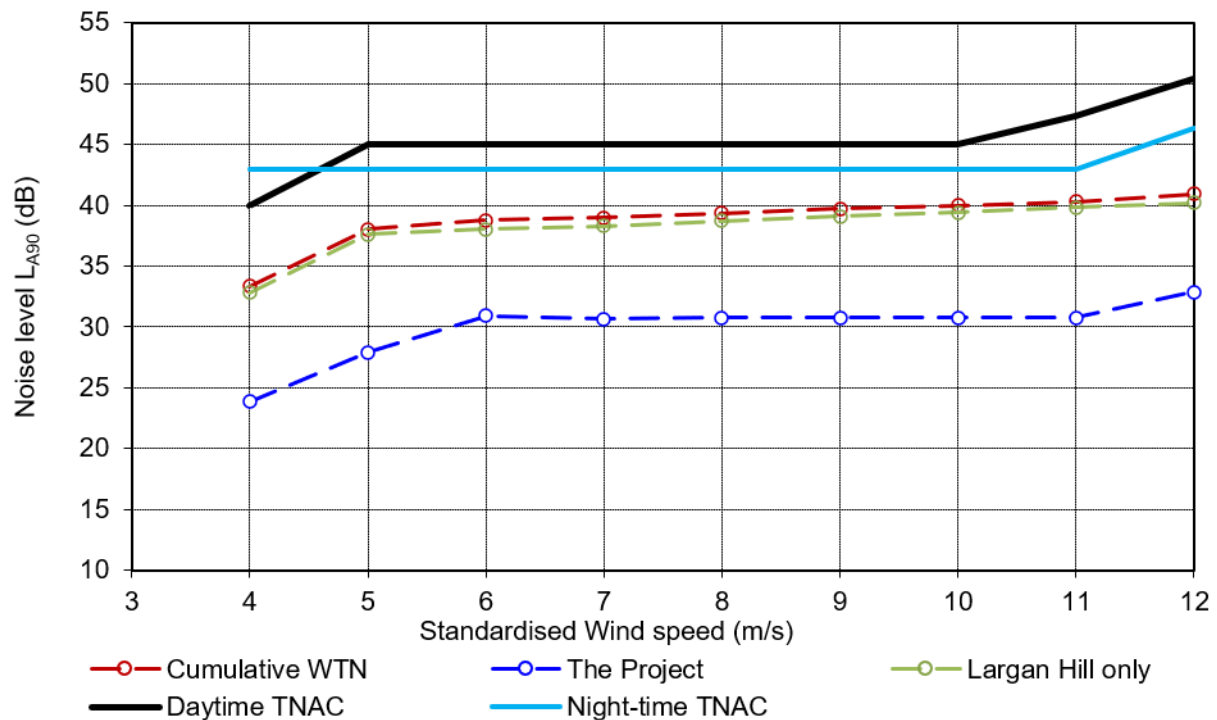
Graph 12.37 – Assessment Graph NSR25



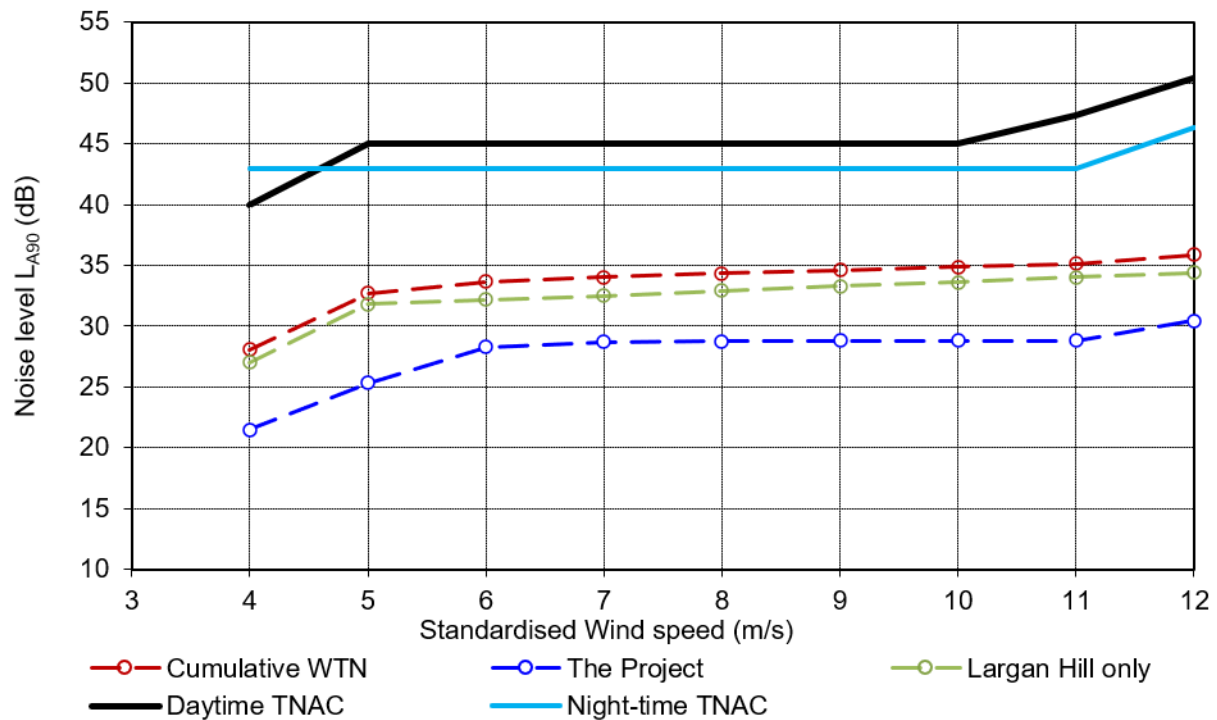
Graph 12.38 – Assessment Graph NSR26



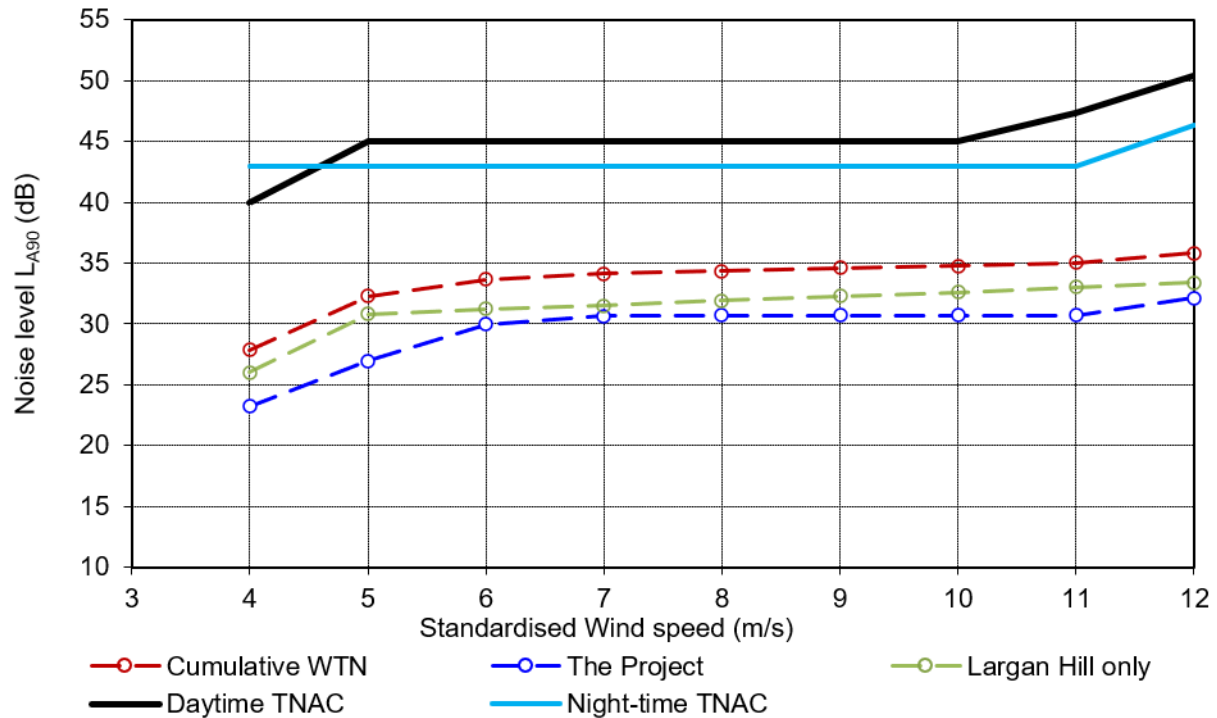
Graph 12.39 – Assessment Graph NSR27



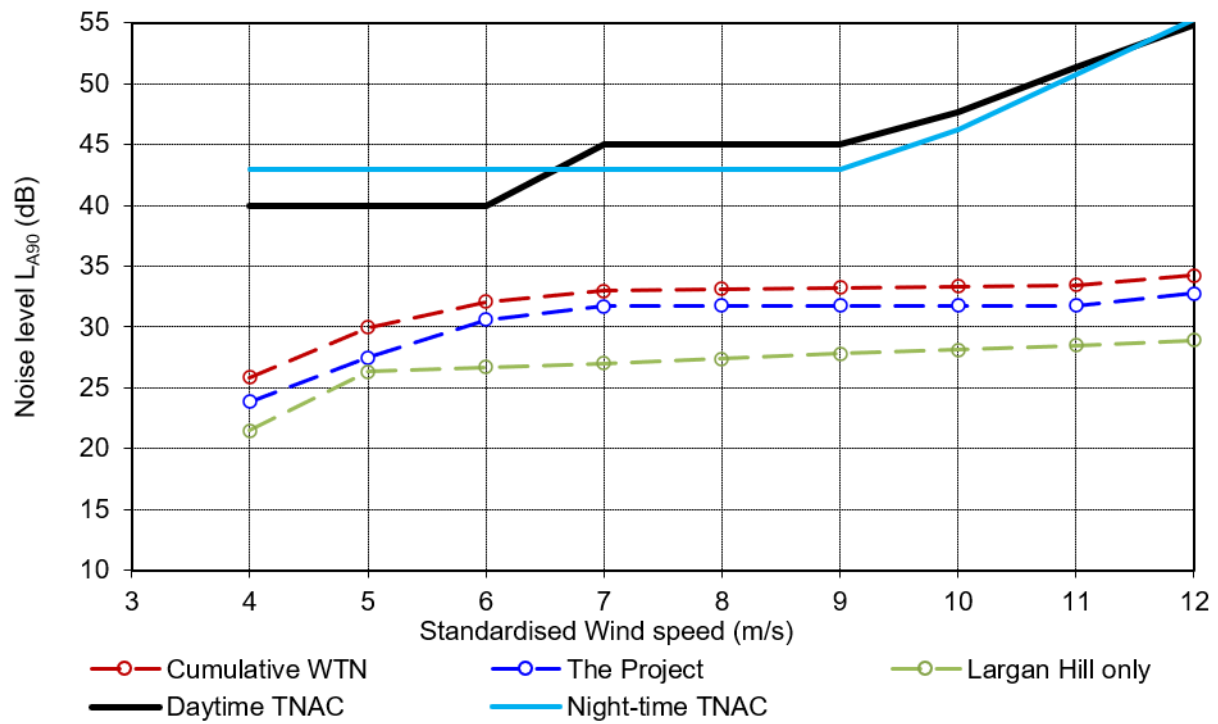
Graph 12.40 – Assessment Graph NSR28



Graph 12.41 – Assessment Graph NSR29



Graph 12.42 – Assessment Graph NSR30





GALETECH
ENERGY SERVICES

