

UPPER OGMORE WIND FARM

FIGURE 10.2

PREDICTED CUMULATIVE NOISE FOOTPRINT

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- ⊕ RECEIVER LOCATION
 - ⊖ RES SURVEY LOCATION
 - ⊕ EXISTING SURVEY LOCATION
 - ⊕ TURBINE LOCATION
- PREDICTED NOISE LEVEL**
- | |
|-------------|
| > 35 dB (A) |
| > 40 dB (A) |
| > 45 dB (A) |
| > 50 dB (A) |
| > 55 dB (A) |



Grid intervals at 1 km.
The LA90, 10min descriptor has been used.

The noise footprint has been calculated at a wind speed of 8m/s at 10m height using the ISO 9613-2 propagation model with all barrier attenuation (i.e. shielding by hills) removed. The figure may therefore show slightly more conservative results than those numerically calculated and presented in the acoustic chapter and should be considered illustrative only.

Red receiver icons indicate RES background noise measurements made at those locations. Blue receiver icons indicate existing background noise measurements made at those locations.

Turbines prefixed 'T' are the proposed Upper Ogmore, those prefixed 'L' are the operational Lynfi Afan, those prefixed 'P' are the existing Pant-y-Wal & Fforch Nest, those prefixed 'X' are the existing Pant-y-Wal extension, those prefixed 'C' are the existing Pen-y-Cymoedd, those prefixed 'F' are the consented Foel Trawsnant, those prefixed 'M' are the operational Mynydd Blwifa, those prefixed 'E' are the existing Ferndale, those prefixed 'O' are the existing Ffynnon Oer and those prefixed 'Y' are the existing Maerdy turbines.

LAYOUT DWG 02959D0001-08 T-LAYOUT NO. PWALuog033

DRAWING NUMBER 02959D2902-01

SCALE - 1:55,000 @ A3

ENVIRONMENTAL STATEMENT 2018

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