

Appendix 15.2 Potential Shadow Periods

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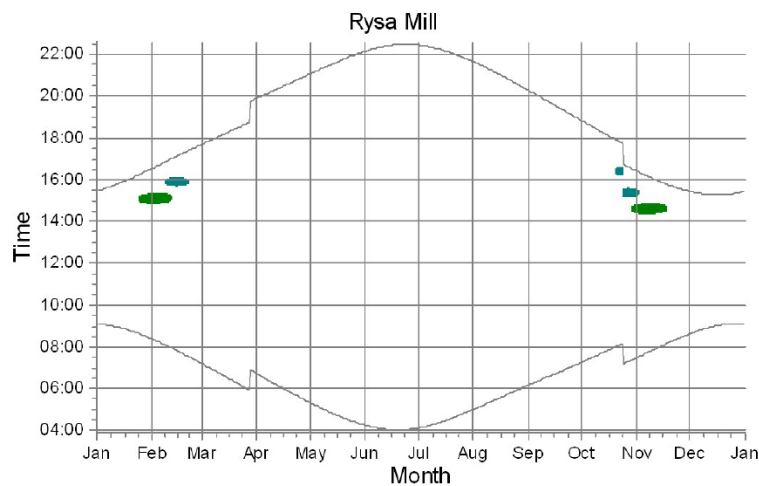
Appendix 15.2 Potential Shadow Periods

Graphs 1 to 13 below visually represent the potential periods when each receptor may experience shadow flicker during the operational phase of the Proposed Development. These are calculated using commercial software model WindPro Version 3.2 which takes into account the movement of the sun relative to the time of day and time of year predicting the time and duration of expected shadow flicker at each window of an affected receptor (refer to Chapter 15). These graphs represent the realistic scenario assuming no mitigation as explained in Chapter 15. The turbines generating the flicker are shown in Figure 1.

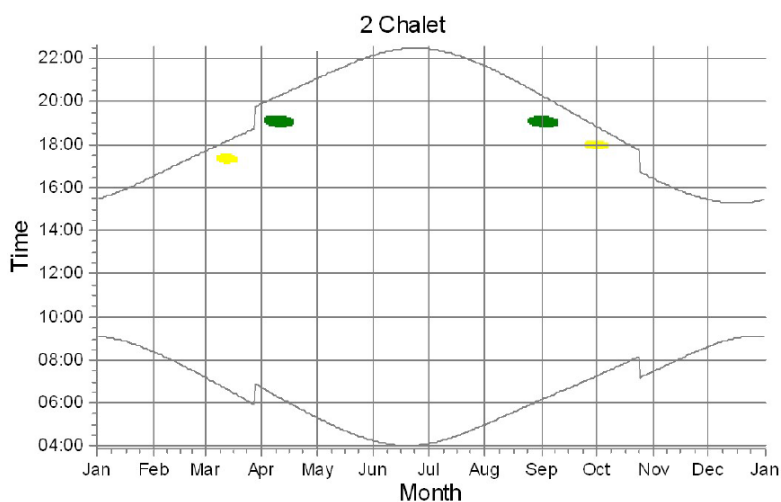
Figure 1 – Turbine Key



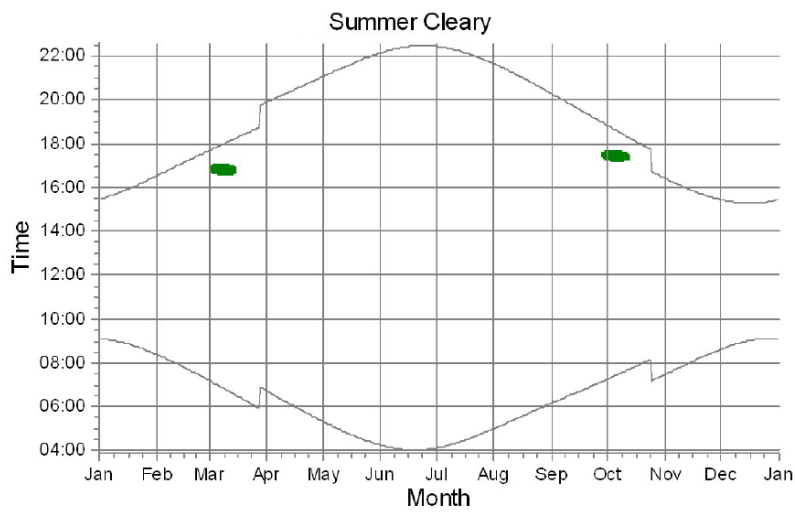
Graph 1 – Realistic Shadow Hours – Receptor A



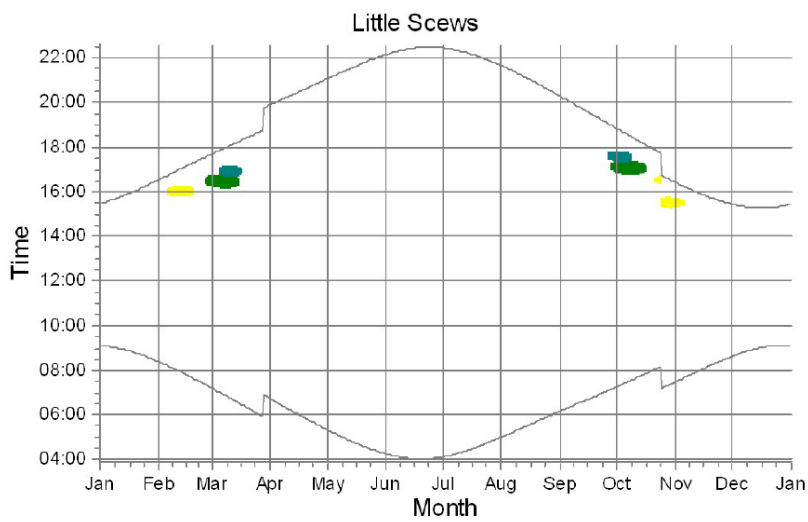
Graph 2 – Realistic Shadow Hours – Receptor B



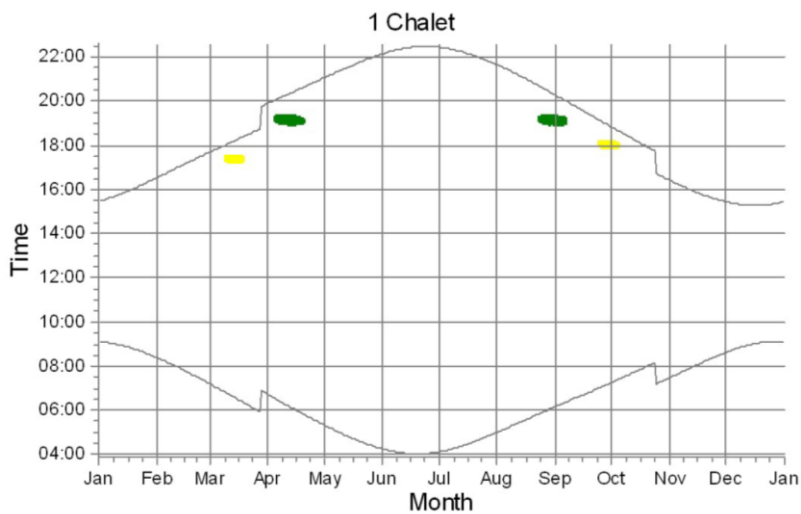
Graph 3 – Realistic Shadow Hours – Receptor C



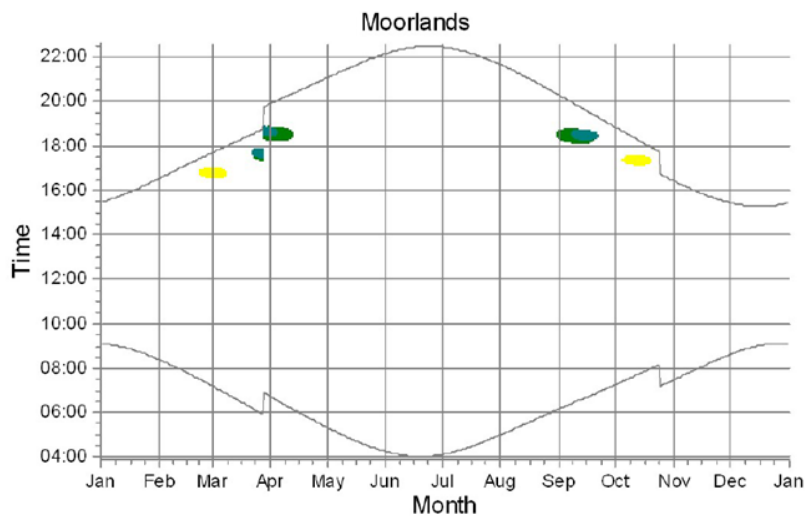
Graph 4 – Realistic Shadow Hours – Receptor D



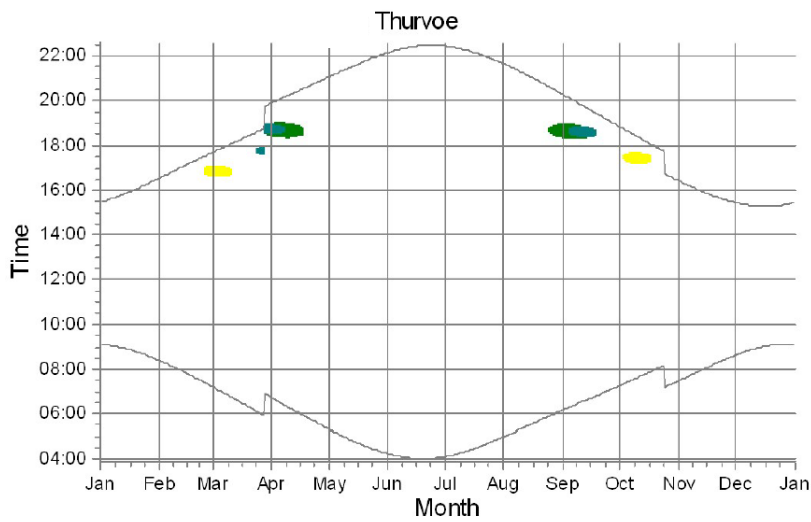
Graph 5 – Realistic Shadow Hours – Receptor E



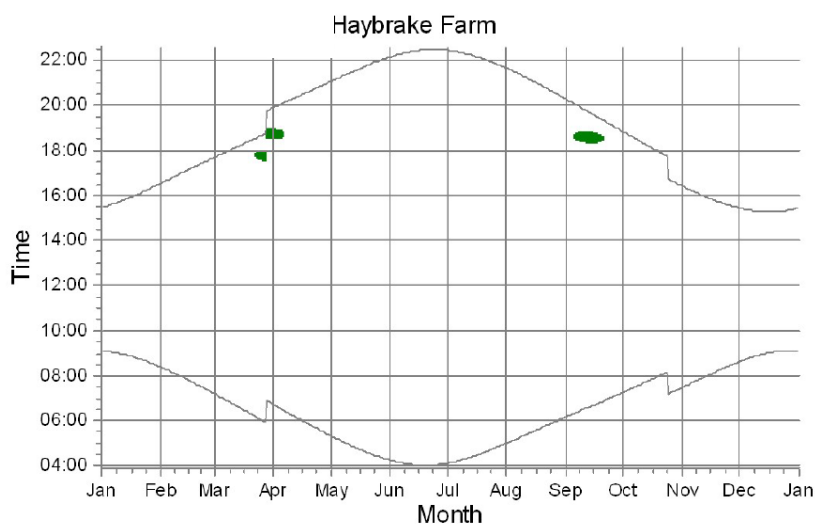
Graph 6 – Realistic Shadow Hours – Receptor F



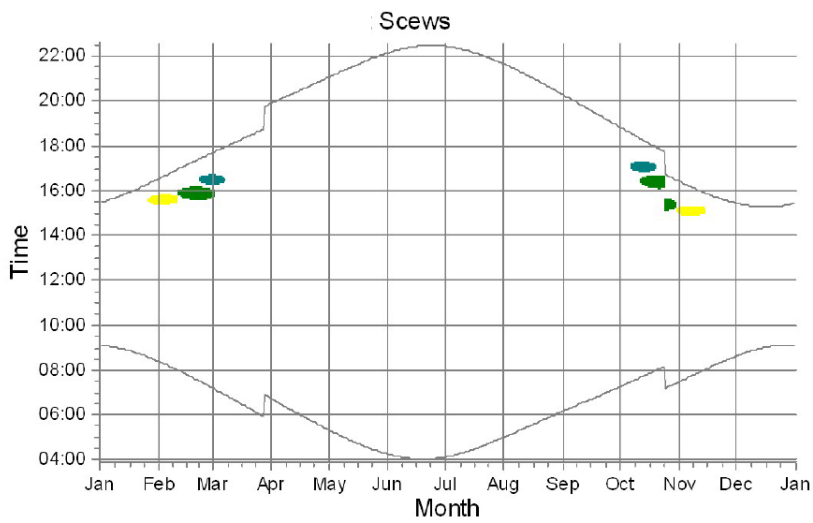
Graph 7 – Realistic Shadow Hours – Receptor G



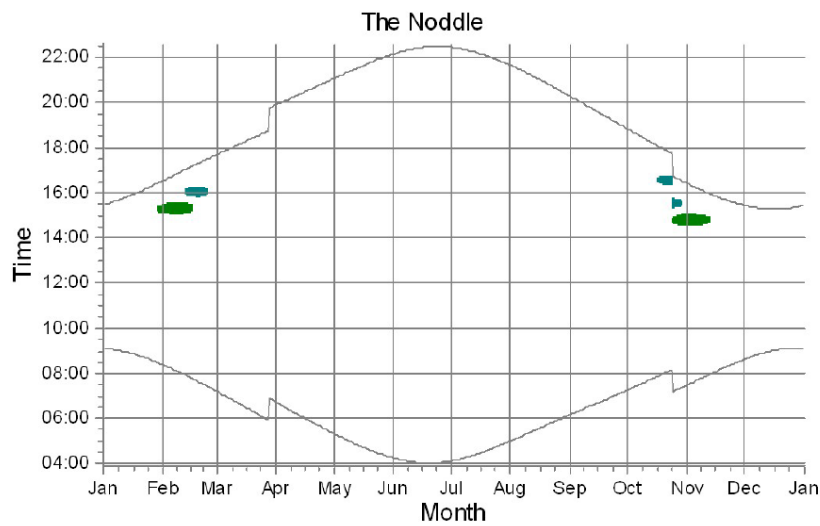
Graph 8 – Realistic Shadow Hours – Receptor H



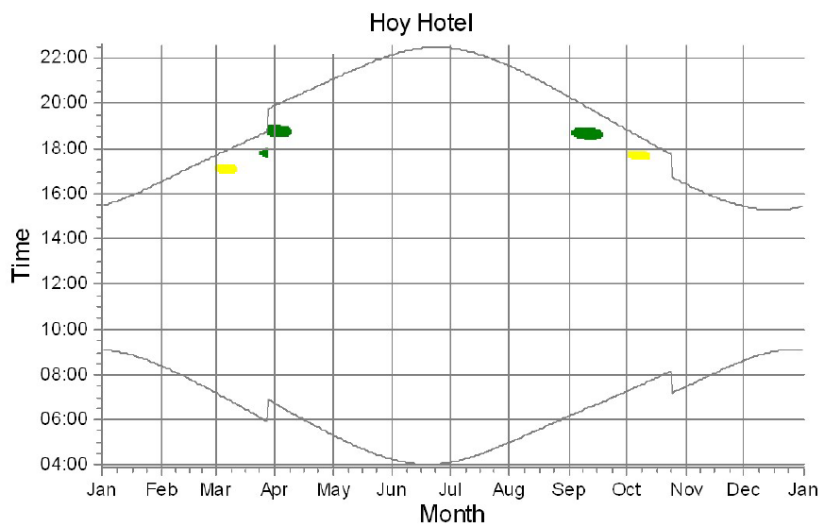
Graph 9 – Realistic Shadow Hours – Receptor I



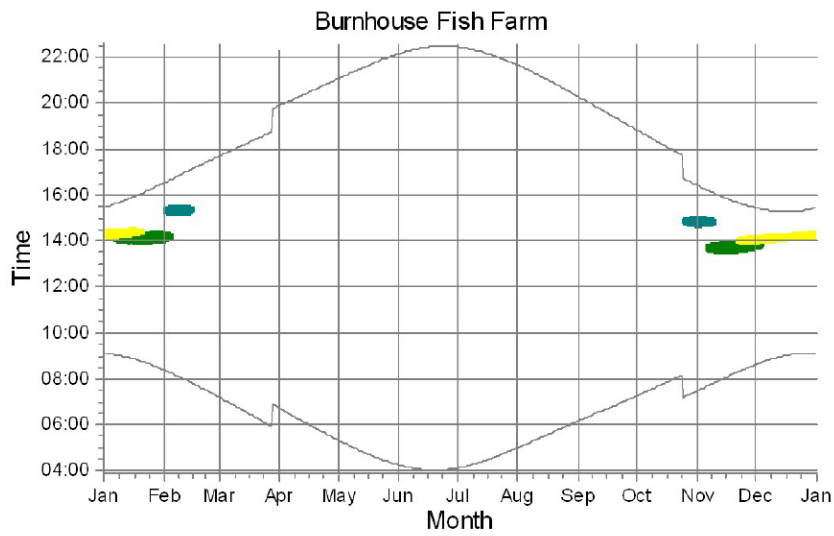
Graph 10 – Realistic Shadow Hours – Receptor J



Graph 11 – Realistic Shadow Hours – Receptor K



Graph 12 – Realistic Shadow Hours – Receptor L



Graph 13 – Realistic Shadow Hours – Receptor M

