

## Appendix 10-2:

### Chapter 10 - Shadow Flicker: Summary of Significant and Residual Effects

Project Phase	Nature of Effect (Pre-Mitigation)	Significance (Pre-Mitigation)	Mitigation Applied	Residual Effect
Construction (commissioning only)	Momentary shadow flicker during turbine testing	Slight, short-term, not significant	Testing controls and commissioning procedures	No significant residual effects; momentary and temporary only
Operation	Shadow flicker at some dwellings exceeding 30 mins/day or 30 hrs/year under worst-case modelling	Significant at affected receptors (worst case, pre-mitigation)	Turbine shutdown system; screening (where appropriate); monitoring and response	No shadow flicker at any occupied dwelling; imperceptible 1-2 min shutdown lag only
Decommissioning	No rotating blades	Not significant	None required	No residual effects
Cumulative (with Faughary WF)	Increased theoretical shadow flicker extent (worst-case modelling)	Potentially significant without mitigation	Same turbine shutdown controls	Zero shadow flicker cumulatively