

## Appendix 12-1:

### Chapter 12 - Climate: Summary of Significant and Residual Effects

Project Phase	Climate Aspect	Significance (Pre-Mitigation)	Mitigation / Design Measures	Residual Effect
Construction	Greenhouse gas emissions (materials, land-use change, construction activity)	Direct, long-term, negative (minor adverse)	Material efficiency; forest replanting; best-practice construction management	Minor adverse but not significant
Operation	Renewable electricity generation	Strong positive climate effect	Core project purpose; displacement of fossil fuel generation	Long-term, significant beneficial effect
Decommissioning	GHG emissions from dismantling	Very minor	Recycling of turbine materials; limited vehicle use	Not significant
Climate change risks (all phases)	Exposure to storms, rainfall, temperature change	Low vulnerability after screening	Design standards and good practice adaptation measures	No significant residual climate risk