Meridian Solar Farm

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Volume 6

Environmental Statement

6.3 ES Appendix 7-3: In-Combination Climate Change Impacts

APFP Regulation 5(2)(a)

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

March 2026

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Tables

1. In-Combination Climate Change Impact Assessment (ICCI)

1.1. Overview

1.1.1. This Appendix present the results of the ICCI assessment. This has been completed in collaboration with the other technical disciplines within this Environmental Statement (ES). For full details of the ICCI assessment refer to **ES Chapter 7: Climate Change** (Doc Ref. 6.1).

1.1.2. This assessment considered climate projections for an RCP8.5 climate change scenario, for the time period (2050-2079).

1.1.3. Technical disciplines not reported in Table 1 did not identify any ICCI risks.

1.1.4. It is noted that the 'beneficial' consequence associated with the Agriculture and Soils ICCI is outside the ICCI significance matrix presented in **ES Chapter 7: Climate Change** (Doc Ref. 6.1). This ICCI is presented in this table to demonstrate the potential beneficial ICCI impacts of the Scheme.

Table 1: In-Combination Climate Change Impact Assessment

Discipline / Receptor	Climate Hazard	ICCIs Identified	Description of ICCI considering embedded environmental	Likelihood of ICCI occurring	Consequence	Significance
Agriculture and Soils	Increased winter precipitation / extreme precipitation events	Decreased soil erosion due to vegetation cover.	As the land use changes from cropland to grassland, there is potential to decrease soil erosion as a result.	Moderate	Beneficial	Not Significant
LVIA / Ecology	Increased summer	Extreme heat may interfere with the	Landscaping, such as proposed bands of shrubs and trees, will be used to	Low	Low	Not Significant

Discipline / Receptor	Climate Hazard	ICCIs Identified	Description of ICCI considering embedded environmental	Likelihood of ICCI occurring	Consequence	Significance
	maximum temperatures	ability of proposed vegetation to grow.	obscure the Scheme from view to the public and to provide habitat improvements. In the case of extreme temperatures, this may reduce the ability of the proposed landscaping to grow adequately. Considering the projections in temperature for the Site location, it is considered this impact will be minimal.			