



Plate 6: Photographic Panorama MASF06- View towards the western boundary of the Site from Molong Manildra Road.



Photograph cropped from Plate 6: View towards the Site from Molong Manildra Road.

VIEWPOINT: MASF06		DESCRIPTION:	COMMENTS:
Location	Molong Manildra Road	View from Molong Manildra Road approximately 1.5km north of Manildra. The photograph is taken in a generally east direction towards the western edge of the Study Site. The landscape is predominantly open grazing land with some groupings of trees. Native trees are visible in the foreground associated with the Molong Manildra Road. Existing power lines transverse the landscape and are visible in the background.	From this viewpoint the proposed solar farm will be partially visible. The western edge of the solar farm will be visible through the roadside vegetation. The south-western edge of the proposed solar farm will be partially screened as a result of the topography. The visual sensitivity from this viewpoint has been assessed as moderate and the visual effect has been assessed as moderate resulting in an overall visual impact of moderate.
Coordinates	S 33 10.521 E148 42.282		
Elevation	450m		
Viewing Distance	0.50km		
LCU	Molong Manildra Road		Refer to Photomontage 3.



Plate 8: Photographic Panorama MASF08- View from access road south of the Manildra Substation.



Photograph cropped from Plate 8: View over proposed development site from access road south of Manildra substation.

VIEWPOINT: MASF08		DESCRIPTION:	COMMENTS:
Location	Manildra Substation	View from within the Study Site, immediately east of the existing Manildra Substation. The photograph was taken from a slight rise in a generally northern direction. The landscape is characterised by gently undulating, cleared pastoral land with native trees associated with ridge lines. Power lines run in a generally east north-east direction, and are visible crossing the landscape in the foreground of the photograph. Densely vegetated mountains associated with the Curumbenya Range are visible in the background on the left hand side of the photograph beyond the Substation.	From this viewpoint the proposed solar farm development will be visible. The visual sensitivity from the viewpoint is assessed as low, the visual effect is assessed as high which results in an overall visual impact assessment of moderate.
Coordinates	S 33 10.825 E 148 43.022		
Elevation	482m		
Viewing Distance	0.10km		
LCU	Pastoral Land		



Plate 9: Photographic Panorama MASF09- View towards the Site from decommissioned substation along Molong Manildra Road.



Photograph cropped from Plate 9: View towards the site from decommissioned substation.

VIEWPOINT: MASF09		DESCRIPTION:	COMMENTS:
Location	Property south of Mandagery Lane, on Molong Manildra Road	View from Molong Manildra Road opposite the redundant Substation approximately 300m north of Old Orange Road. Photograph is taken in a generally north east direction towards the Study Site. The landscape is characterised as slightly undulating grazing land with a sparse groupings of remnant native trees surrounding the Substation and along the roadside. Power lines visible in the middle ground transverse the Study Site in an east north-east direction, connecting with the operational Manildra Substation.	From this viewpoint the proposed solar farm development will not be visible. This is due to a combination of the undulating topography, existing vegetation coverage in both the foreground and middle ground and the distance from the Site. The viewpoint has been included in the report to illustrate the effectiveness of the existing vegetation in screening the Site from the south west.
Coordinates	S 33 10.919 E 148 42.135		
Elevation	482m		
Viewing Distance	1.06km		
LCU	Molong Manildra Road		

5.0 Visual Impact (contd.)

5.3 Photomontages

Photomontages of the proposed solar farm were prepared to assist in the impact assessment of the proposal, conveying the final visual image from typical vantage points.

The initial photomontages are based on worst case scenario, without the inclusion of the proposed mitigation methods. Additional photomontages are provided showing measures to mitigate the impact of the solar farm and how they reduce the determined impact. Effort was made to ensure these photomontages reflect an accurate simulation of the proposed Solar Farm.

5.3.1 PHOTOMONTAGE VIEWPOINT LOCATIONS

A variety of indicative viewpoints have been included for the preparation of photomontages to best represent the visual impact of the Site from public areas. Viewpoints MASF01, MASF03 and MASF06 were selected for the development of photomontages to illustrate the visual impact of the site along the Molong Manildra Road (the most impacted public area). Locations of photomontages are shown in Figure 9.

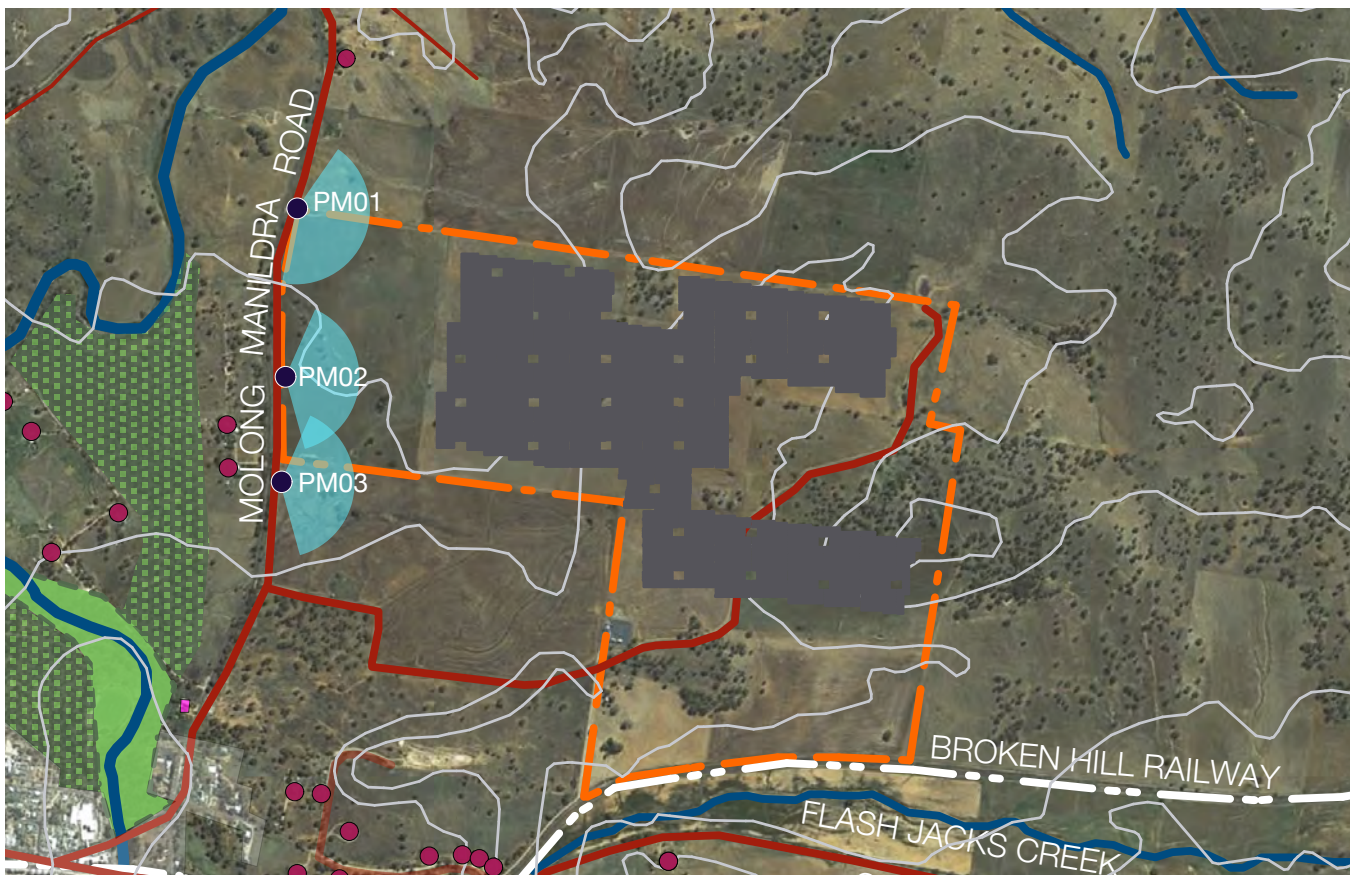


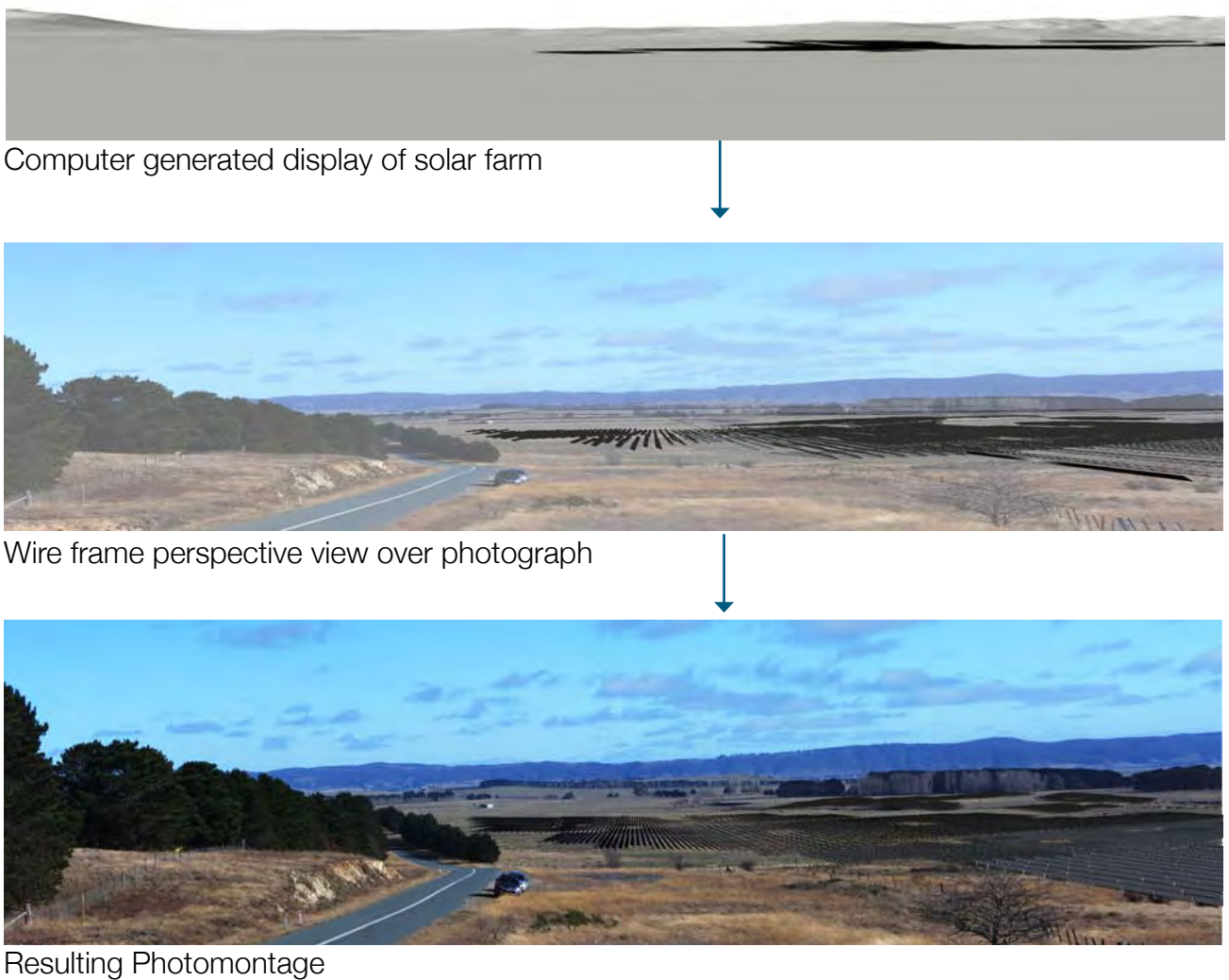
Figure 9: Photomontage Viewpoint Locations.

5.3.2 PHOTOMONTAGE DEVELOPMENT

Photomontages are representations of the solar farm that are superimposed onto a photograph of the site. The process for generation of these images involves computer generation of a wire frame perspective view of the solar farm and the topography from each viewpoint.

The photo simulations based on photography from identified sensitive viewpoints are included within the following analysis section. The images that the photo simulations have been based on have been captured with a Canon 40D SLR digital camera with a lens of 50mm which closely represents the central field of vision of the human eye.

The process for photomontage development is demonstrated in the following example (taken from Capital Solar Farm VIA- MLA 2010):



5.0 Visual Impact (contd.)



Photomontage 1A: Existing view of the Site from Molong Manildra Road. (Publicly Accessible)



Photomontage 1B: Photomontage of proposed Solar Farm from Molong Manildra Road.



Photomontage 1C: Photomontage of proposed Solar Farm Molong Manildra Road with the implementation of boundary planting.

5.0 Visual Impact (contd.)



Photomontage 2A: Existing view of Site from Molong Manildra Road. (Publicly Accessible)



Photomontage 2B: Photomontage of proposed solar farm from Molong Manildra Road.



Photomontage 2C: Photomontage of proposed Solar Farm from Molong Manildra Road, with the implementation of screen planting.

5.0 Visual Impact (contd.)



Photomontage 3A: Existing view from Molong Manildra Road. (Publicly Accessible)



Photomontage 3B: Photomontage of proposed solar farm from Molong Manildra Road.



Photomontage 3C: Photomontage of proposed Solar Farm from Molong Manildra Road, with the implementation of screen planting.