

ADDENDUM TO STATEMENT OF ENVIRONMENTAL EFFECTS

Project No: 1319

Client: ITP Development Pty Ltd

Project: Daisy Hill Solar Farm - Lot 103 DP 755189 Hillston, NSW

AMENDMENT TO DEVELOPMENT APPLICATION DA2020/017 - PPSWES-26

This addendum amends the Statement of Environmental Effects prepared by Zenith Town Planning Pty Ltd and dated 13 December 2019 for Daisy Hill Solar Farm and Subdivision. The purpose of this addendum is to describe amendments to the above development application submitted in accordance with clause 55 of the *Environmental Planning and Assessment Regulation 2000*.

The General Arrangement Plan (HIL1A-G-210) prepared by ITP Renewables and dated 6 November 2019 was originally submitted with the development application. This plan indicated that the array would be contained within a fenced area of 23 hectares. It indicated access into Lot 103 DP 755189 by way of an existing driveway entrance off Norwood Lane near the south-eastern corner of the property. The array initially comprised 32,000 panels that would generate 10MW AC. Subdivision of Lot 103 was proposed to enable the array to be placed on two separate allotments in accordance with Essential Energy requirements. It was proposed to excise 12.73 hectares as Lot 1 with the residue of 57.67 hectares as Lot 2. The array would be evenly split with 16,000 panels on each new lot.

This original layout and proposed access point were subsequently amended late in 2020 as shown on the General Arrangement Plan dated 28 August 2020. This plan indicated a minor change to the configuration of the array and that access would be gained from a point near the north-eastern corner of the property. The number of panels was reduced to 28,754, evenly split across proposed Lot 1 and proposed Lot 2, with a reduction in the fenced area to 22.5 hectares but still generating the same 10MW AC.

A second revised General Arrangement Plan dated 15 January 2021 is now to be submitted to amend the development application. The number of panels is further reduced to 24,360, evenly split across proposed Lot 1 and proposed Lot 2, within a fenced area of 23.5 hectares and generating 10MW AC. Access is still to be gained from a point near the north-eastern corner of the property. The subdivision layout is proposed to change as shown on the Plan of Proposed Subdivision prepared by Price Merrett Consulting to create Lot 1 of 12.53 hectares and Lot 2 of 55.34 hectares.

sustainable thinking

The revised General Arrangement Plan dated 15 January 2021 again shows a change to the configuration of the array. The plan shows the same type of equipment as originally proposed, however, the arrangement of internal trackers and the location of inverters and BESS systems differs slightly different due to the reduction of PV modules.

The reasons for amending the General Arrangement plan are that the panels originally proposed have been discontinued. It is therefore proposed to use higher wattage panels which are similar in size but result in improved efficiencies in energy generation. This means that less panels are necessary to generate the same AC output requiring a smaller footprint.

The revised placement of the array gives a variable setback to the Kidman Way road reserve of 15 metres at the south-western corner of the facility. This reduces visibility to motorists travelling along Kidman Way when compared to the General Arrangement Plan dated 28 August 2020.

The subdivision boundary is proposed to be amended due to the revised internal access between each of the 5MW systems. The 4 metre wide internal access road ensures easy access to each of the inverter and BESS stations which are centrally positioned within the array. The revised boundary aligns with the internal access road and separates the total array into two systems each of 5MW AC capacity.

Due to technological improvements that have occurred since the development application was initially lodged, the amended General Arrangement Plan dated 15 January 2021 now results in the Daisy Hill Solar Farm having a smaller footprint with less panels, frames and mounting structures whilst still producing the same amount of energy. The change to the subdivision layout will not be visible as no fencing is proposed along the subdivision boundary that separates the two systems.

Allen Grimwood
Director
Zenith Town Planning Pty Ltd
19 February 2021