

## Appendix C Estimated over dimensional vehicle movements during construction, operation and decommissioning

### Wollar Solar Farm

	<b>OSOM movements</b>
<b>Stage 1 Barigan Road upgrade</b>	0

<b>Stage 2 Northern Access Road</b>	3
-------------------------------------	---

### Substation

Plant and Equipment	Model	Proposed number on project	Width	Mass	Pilot vehicle required?	Mobilisation Date	Demobilisation Date	Estimated OSOM movements* requiring	Plant and Equipment
Mob Earthworks plant - compactor	CAT 815 or similar	1	3.7m	<40 tonne	Yes	Dec-21	Sep-22	1	1
Mob Earthworks plant - other	Cat 627 or similar	1	3.5m	<40 tonne	No	Dec-21	Sep-22	0	1
Mob Temporary site buildings	N/A	3	3m	4 tonne	No	Dec-21	Dec-22	0	3
Gantry and Busbar delivery	N/A	2	<3.5m	<40 tonne	no	May-22	At decommissioning stage (30 years after construction)	0	1
Main Transformers	N/A	2	4.3m	126 tonne	Yes	Aug-22	At decommissioning stage (30 years after construction)	2	2
Aux Transformers	N/A	2	<3.5m	<40 tonne	no	Jul-22	At decommissioning stage (30 years after construction)	0	1
Substation Buildings (1 x ASB & 2 x Switchgear buildings)	N/A	3	5m	<45 tonne	Yes	Aug-22	At decommissioning stage (30 years after construction)	3	3
<b>Total substation</b>								<b>6</b>	<b>12</b>

**EPC**

Plant and Equipment	Model / size	Proposed number on project	Width	Mass	Pilot vehicle required?	Mobilisation Date	Demobilisation Date	Estimated OSOM movements* requiring pilot vehicle	Estimated total OSOM movements*
Scraper with GPS Machine Control	CAT 627 or similar	2	3.5m	39t	No	Aug-22	Jul-23	0	2
Compactor Roller	CAT 815	1	3.7m	23t	Yes	Aug-22	Jul-23	1	1
Excavator	20 tonne	3	3m	23t	No	Aug-22	Jul-23	0	3
Heavy Machinery	N/A	2	<3.5m	<40t	No	Aug-22	Jul-23	0	2
Mulcher	N/A	1	3.5m	<40t	No	Aug-22	Jul-23	0	1
Moxy Tipper	30 tonne	2	2.9m	23t	No	Aug-22	Jul-23	0	2
Office modules	Ausco	13	3m	4 tonne	No	Aug-22	Dec-23	0	13
Ablution and first aid	Ausco	3	3m	2.5t	No	Aug-22	Dec-23	0	3
4KL septic tanks	Ausco	2	3m	150kg	No	Aug-22	Dec-23	0	2
<b>Total EPC Solar Farm</b>								<b>1</b>	<b>29</b>

<b>Total for project during construction</b>								<b>7</b>	<b>44</b>
<b>Total for project during operation</b>								<b>2</b>	<b>2</b>
<b>Total for project during decommissioning</b>								<b>6</b>	<b>14</b>

<b>Total for construction, operation, and decommissioning</b>								<b>15</b>	<b>60</b>
---	--	--	--	--	--	--	--	-----------	-----------

\*Given a vehicle movement is considered "one vehicle entering and leaving site" these movements consider the delivery of an oversized load to be 0.5 movements and the demobilisation of an oversize load to be 0.5 movements. (e.g. The vehicle is only over- dimensioned when the temporary building is loaded, this same vehicle leaving site or returning to site without the temporary building would not be classed as OSOM). However the substation buildings and the main transformers actually require trucks that are considered OSOM by themselves even when unloaded.