



Technical Appendix

11.2: Construction

Development

Programme

Department: ERM
Project: Bowshiel Solar Farm and BESS
Document Code: 0733784

May 2025

	Month																		
Activity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	TOTAL**
	HGV																		
Mobilisation & Demobilisation	30																	30	60
Access Tracks & Hardstanding	487	487	487	487	487	487	487	487	487	487	487	487							5,845
Substation Compound										25	25	25							76
Solar Panel												165	165	165	165	165	165		991
BESS Container, PCS & Transformer Unit													69	69	69				206
Combiner Boxes, cable drums, Centralised Inverter and Transformer Centre								26	26	26	26	26	26						183
Auxiliary Component Deliveries										2	2	2							6
Miscellaneous Deliveries	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	100
Fuel Delivery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	36
Sub-Total	525	495	495	495	495	495	521	521	521	549	549	714	268	242	242	173	173	38	7,515
	Abnormal Loads																		
Substation Compound												8							8
Sub-Total												8							8
	Staff Cars and Vans																		
Commissioning																	40	40	80
Escort Vehicles												8							8
Staff	285	285	285	754	754	754	754	1,222	1,222	1,222	1,222	1,222	1,222	1,222	754	754	754	285	14,970
Total Cars & Vans	285	285	285	754	754	754	754	1,222	1,222	1,222	1,222	1,230	1,222	1,222	754	754	794	325	15,058
Total (All vehicles)	810	780	780	1,249	1,249	1,249	1,275	1,743	1,743	1,771	1,771	1,952	1,490	1,464	996	927	967	363	22,581
Total HGV	525	495	495	495	495	495	521	521	521	549	549	714	268	242	242	173	173	38	7,515
Average Total Traffic per Day*	31	30	30	48	48	48	49	67	67	68	68	75	57	56	38	36	37	14	868
Average HGV Traffic per Day*	20	19	19	19	19	19	20	20	20	21	21	27	10	9	9	7	7	1	289

*Assumes 26-day working month **Totals may not add up due to rounding