

DCO Solar farm Site	Status	Document	Doc Date	Site Area (ha)	Direction	Peak Construction Phase Trips								
						AM Peak Hour			PM Peak Hour			AADT		
						Light Vehicles	Heavy Vehicles	Total	Light Vehicles	Heavy Vehicles	Total	Light Vehicles	Heavy Vehicles	Total
Heckington Fen Solar Farm	Examination	Outline Construction Traffic Management Plan (EN010123/000313/7.10)	Feb-23	524	Arrivals	29	0	29	0	0	0	29	17	46
					Departures	0	0	0	29	0	29	29	17	46
					Two-Way	29	0	29	29	0	29	58	34	92
Little Crow Solar Farm	Decided - approved	CTMP (EN010101/000268/7.36)	Aug-19	225	Arrivals	14	0	14	0	0	0	14	17	31
					Departures	0	0	0	14	0	14	14	17	31
					Two-Way	14	0	14	14	0	14	28	34	62
Longfield Solar Farm	Decided - approved	ES Appendix 13A Transport Assessment (EN010118/APP/6.2)	Feb-22	453	Arrivals	128	9	137	0	7	7	191	118	309
					Departures	0	9	9	95	7	102	191	118	309
					Two-Way	128	18	146	95	14	109	382	236	618
West Burton	Examination	ES Appendix 14.1 Transport Assessment (EN010132/000421/WB6.3.14.1 ES Appendix 14.1)	Mar-23	769	Arrivals	76	0	76	0	0	0	152	23	175
					Departures	0	0	0	76	0	76	152	23	175
					Two-Way	76	0	76	76	0	76	304	46	350
Cleve Hill Solar Park	Correction order	Cleve Hill Solar Park Ltd Environmental Statement - Traffic and Access Chapter	Nov-18	407	Arrivals	81	0	81	0	0	0	81	30	111
					Departures	0	0	0	81	0	81	81	30	111
					Two-Way	0	0	81	0	0	81	162	60	222
Cottam Solar Project	Examination	Environmental Statement Appendix 14.2: CTMP Revision C	Jan-24	587	Arrivals	116	0	116	7	0	7	233	38	271
					Departures	0	0	0	123	0	123	233	38	271
					Two-Way	0	0	116	0	0	130	466	76	542
East Yorkshire Solar Farm	Pre-Examination	Environmental statement Appendix 13-4 - Transport Assessment	Nov-23	1277	Arrivals	178	0	178	0	0	0	178	75	253
					Departures	0	0	0	178	0	178	178	75	253
					Two-Way	0	0	178	0	0	178	356	150	506

DCO Solar farm Site	Document	Doc Date	Site Area (ha)	Direction	Trip Generation Rates									
					AM Peak Hour			PM Peak Hour			AADT			
					Light Vehicles	Heavy Vehicles	Total	Light Vehicles	Heavy Vehicles	Total	Light Vehicles	Heavy Vehicles	Total	
Heckington Fen Solar Farm	Examination	Outline Construction Traffic Management Plan (EN010123/000313/7.10)	Feb-23	524	Arrivals	0.0553	0.0000	0.0553	0.0000	0.0000	0.0000	0.0553	0.0324	0.0878
					Departures	0.0000	0.0000	0.0000	0.0553	0.0000	0.0553	0.0553	0.0324	0.0878
					Two-Way	0.0553	0.0000	0.0553	0.0553	0.0000	0.0553	0.1107	0.0649	0.1756
Little Crow Solar Farm	Decided - approved	CTMP (EN010101/000268/7.36)	Aug-19	225	Arrivals	0.0622	0.0000	0.0622	0.0000	0.0000	0.0000	0.0622	0.0756	0.1378
					Departures	0.0000	0.0000	0.0000	0.0622	0.0000	0.0622	0.0622	0.0756	0.1378
					Two-Way	0.0622	0.0000	0.0622	0.0622	0.0000	0.0622	0.1244	0.1511	0.2756
Longfield Solar Farm	Decided - approved	ES Appendix 13A Transport Assessment (EN010118/APP/6.2)	Feb-22	453	Arrivals	0.2826	0.0199	0.3024	0.0000	0.0155	0.0155	0.4216	0.2605	0.6821
					Departures	0.0000	0.0199	0.0199	0.2097	0.0155	0.2252	0.4216	0.2605	0.6821
					Two-Way	0.2826	0.0397	0.3223	0.2097	0.0309	0.2406	0.8433	0.5210	1.3642
West Burton	Examination	ES Appendix 14.1 Transport Assessment (EN010132/000421/WB6.3.14.1 ES Appendix 14.1)	Mar-23	769	Arrivals	0.0988	0.0000	0.0988	0.0000	0.0000	0.0000	0.1976	0.0299	0.2275
					Departures	0.0000	0.0000	0.0000	0.0988	0.0000	0.0988	0.1976	0.0299	0.2275
					Two-Way	0.0988	0.0000	0.0988	0.0988	0.0000	0.0988	0.3953	0.0598	0.4551
Cleve Hill Solar Park	Correction order	Cleve Hill Solar Park Ltd Environmental Statement - Traffic and Access Chapter	Nov-18	407	Arrivals	0.1990	0.0000	0.1990	0.0000	0.0000	0.0000	0.1990	0.0737	0.2727
					Departures	0.0000	0.0000	0.0000	0.1990	0.0000	0.1990	0.1990	0.0737	0.2727
					Two-Way	0.1990	0.0000	0.1990	0.1990	0.0000	0.1990	0.3980	0.1474	0.5455
Cottam Solar Project	Examination	Environmental Statement Appendix 14.2: CTMP Revision C	Jan-24	587	Arrivals	0.1976	0.0000	0.1976	0.0119	0.0000	0.0119	0.3969	0.0647	0.4617
					Departures	0.0000	0.0000	0.0000	0.2095	0.0000	0.2095	0.3969	0.0647	0.4617
					Two-Way	0.1976	0.0000	0.1976	0.2215	0.0000	0.2215	0.7939	0.1295	0.9233
East Yorkshire Solar Farm	Pre-Examination	Environmental statement Appendix 13-4 - Transport Assessment	Nov-23	1277	Arrivals	0.1394	0.0000	0.1394	0.0000	0.0000	0.0000	0.1394	0.0588	0.1982
					Departures	0.0000	0.0000	0.0000	0.1394	0.0000	0.1394	0.1394	0.0588	0.1982
					Two-Way	0.1394	0.0000	0.1394	0.1394	0.0000	0.1394	0.2789	0.1175	0.3964

Land Area	% of Land Area	Trip Rates/ Trip Gen	Site Area (ha)	Direction	Proposed Trip Calculations								
					AM Peak Hour			PM Peak Hour			AADT		
					Light Vehicles	Heavy Vehicles	Total	Light Vehicles	Heavy Vehicles	Total	Light Vehicles	Heavy Vehicles	Total
Peartree Hill (all plots)		Trip rates (average)	n/a	Arrivals	0.1479	0.0028	0.1507	0.0017	0.0022	0.0039	0.2103	0.0851	0.2954
				Departures	0.0000	0.0028	0.0028	0.1392	0.0022	0.1414	0.2103	0.0851	0.2954
				Two-Way	0.1479	0.0057	0.1535	0.1409	0.0044	0.1453	0.4206	0.1702	0.5908
A	100%	Trip gen	157.16	Arrivals	118	2	120	1	2	3	168	68	236
				Departures	0	2	2	111	2	113	168	68	236
				Two-Way	118	5	123	112	4	116	336	136	472
B5 and B6 (east of A165)	17%	Trip gen	20.21	Arrivals	3	0	3	0	0	0	4	2	6
				Departures	0	0	0	3	0	3	4	2	6
				Two-Way	3	0	3	3	0	3	9	3	12
B1-B4, B7 and B8 (west of A165)	83%	Trip gen	95.39	Arrivals	14	0	14	0	0	0	20	8	28
				Departures	0	0	0	13	0	13	20	8	28
				Two-Way	14	1	15	13	0	14	40	16	56
C	100%	Trip gen	131.44	Arrivals	19	0	20	0	0	1	28	11	39
				Departures	0	0	0	18	0	19	28	11	39
				Two-Way	19	1	20	19	1	20	55	22	78
D8 - D10 (east of Meaux Lane)	21%	Trip gen	35.14	Arrivals	5	0	5	0	0	0	7	3	10
				Departures	0	0	0	5	0	5	7	3	10
				Two-Way	5	0	5	5	0	5	15	6	21
D1 - D9 and D11-D18 (west of Meaux Lane)	79%	Trip gen	135.86	Arrivals	20	0	20	0	0	1	29	12	40
				Departures	0	0	0	19	0	19	29	12	40
				Two-Way	20	1	21	19	1	20	57	23	80
E		Trip gen	134.09	Arrivals	20	0	20	0	0	1	28	11	40
				Departures	0	0	0	19	0	19	28	11	40
				Two-Way	20	1	21	19	1	20	56	23	79
F11, F12 and F13 (east of Meaux Lane)	23%	Trip gen	20.1	Arrivals	3	0	3	0	0	0	4	2	6
				Departures	0	0	0	3	0	3	4	2	6
				Two-Way	3	0	3	3	0	3	8	3	12
F1-F10 and F14-F16 (west of Meaux Lane)	77%	Trip gen	68.95	Arrivals	10	0	10	0	0	0	15	6	20
				Departures	0	0	0	10	0	10	15	6	20
				Two-Way	10	0	10	10	0	10	29	12	41

1 HGV trips per hour / per 300 acres

	Acres	Ha	Hourly trips	Daily Trips (7am-7pm)	2 way movements (7am-7pm)
Area A	426	173	1.4	17.0	34.1
Area B	262	107	0.9	10.5	21.0
Area C	397	161	1.3	15.9	31.8
Area D	570	232	1.9	22.8	45.6
Area E	356	145	1.2	14.2	28.5
Area F	330	134	1.1	13.2	26.4
	2341	952	7.8	93.6	187.3

100 workers per 300 acres

Worker numbers	Minibuses	Private cars	Two-way LGVs
142	9	12	43
87	6	12	36
132	9	12	42
190	13	12	49
119	8	12	40
110	7	12	39
780	52	72	248

Comparison with Other DCO sites

AADT Total
77
57
73
95
68
65
435

AADT Total
95
70
79
103
81
54
482

Project will likely be built out in Phases A-F.

Likely to be 6 separate phases given the size of parcels.

Do not expect to be building more than 2 areas at one time - 800-900 acres at an absolute maximum / worst case

So for purpose of worst case, the above highlights Areas D and E being built together

Above gives an hourly trip rate and not a profile over the day. RWE to try and avoid peak am and pm deliveries, but cannot avoid

All workers will be travelling during peak am and pm deliveries

No distinction provided at this stage between HGV and LGV (all listed as HGV)

Majority of workforce will arrive via minibuses (15 staff per bus)

There will only be circa 12 car parking spaces within each of the Areas for staff at site offices/visitors - added to the total above

During the winter months, lower numbers of workers would be expected, possibly arriving at the Site later and departing the Site earlier and working shorter hours