



**SCOTTISHPOWER
RENEWABLES**

East Anglia TWO Offshore Windfarm

Appendix 26.20

**HGV and Employee Traffic Assigned to
the Construction Programme (Scenario
1)**

Preliminary Environmental Information
Volume 3

EA2-DEVWF-ENV-REP-IBR-000821_020

Section 1 - Average Materials and Welfare and Operation Plant Daily HGV Movements

Activity	Total Working Days	Total HGVs	Month																																																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36																
Establish construction consolidation site and site accesses	88	1,170	14	14	14	14																																																
Mobilisation of Welfare and Operation Plant to CCS	88	55	1	1	1	1																																																
Site preparation including fencing, temporary drainage and haul road construction.	44	591					14	14																																														
Onshore Export Cable Installation East of SPA																																																						
Trench Route Clearance / Topsoil Strip	44	0					0	0																																														
Trench Excavation	220	510							3	3	3	3	3	3	3	3	3	3																																				
Duct Installation	220	307							2	2	2	2	2	2	2	2	2	2																																				
Trench Backfill	198	23								1	1	1	1	1	1	1	1	1																																				
Jointing Bay Excavation	242	459								2	2	2	2	2	2	2	2	2	2	2	2																																	
Jointing Bay Base Constriction	198	31									1	1	1	1	1	1	1	1	1	1																																		
Pulling and connection of cables	198	90										1	1	1	1	1	1	1	1	1	1	1																																
Jointing Bay Walls and Roof	198	93											1	1	1	1	1	1	1	1	1	1	1																															
Backfill over Jointing Bays	44	0																																													0	0						
Trench Route Reinstatement / Topsoil Reinstatement	66	0																																													0	0	0					
Medium Length HDD crossing of Obstacle 2.1 and 2.2																																																						
Establish Onshore HDD Entry Pit compound	66	384					6	6	6																																													
Mobilisation of HDD Kit and Welfare to Onshore drilling Compound	22	70									4																																											
HDD Drilling works & Ducting (assume working 24/7 7 days a week)	120	168									2	2	2	2																																								
HDD Drilling risk programme 'float' (Total HDD HGV movements included in HDD Drilling Works & Ducting)	30	0													0																																							
Demobilisation of HDD kit and welfare	22	70													4																																							
Removal of Onshore HDD Entry pit compound	66	384															6	6	6																																			
Movement of fence line to minimum extents	88	0																																																				
Haul Road Removal (includes removal of fencing) and reinstatement	66	591																							0	0	0	0																						9	9	9		
Demobilisation of Welfare from CCS	66	55																																																	1	1	1	
Construction consolidation site and access road Removal	154	1,170																																																		8	8	8
Average Section Skip HGV Movements Per Day	594	254	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Total HGVs per day			16	16	16	16	21	21	12	15	11	12	13	12	16	12	18	18	12	6	3	2	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19	19		
Total two-way HGV movements per day			32	32	32	32	42	42	24	30	22	24	26	24	32	24	36	36	24	12	6	4	18	18	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	38	38		

Section 1 - Construction Plant Requirements

Plant	Month																																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
D6 Dozer	1	1	1	1	2	2	1								2	2	2				2	2	2	2										2	2	2				
30T Excavator	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	2			2	2	2	2											3	3	3			
20T Dumper	3	3	3	3	5	5	5	6	6	6	6	6	6	6	8	8	4	2			2	2	2	2											6	6	6			
Smooth Drum vibrio road roller	1	1	1	1	2	2	1								1	1	1				1	1	1	1											2	2	2			
21T excavator	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	2	1			1	1	1	1											3	3	3			
5T Forward Tipping Dumper	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	2	1			1	1	1	1											3	3	3			
Loading shovel	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	2				2	2	2	2											3	3	3			
Trench Roller							2	2	2	2	2	2	2	2	2	2																				2	2	2		
Tractor & fencing kit					1	1																1	1	1	1															
Tractor & trailer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1												1	1	1		
Tractor & Fuel bowser (or self-propelled)	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1												1	1	1		
Tractor & Water bowser (for dust suppression)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1													1	1	1	
Tractor & cable drum trailer												1	1	1	1	1	1	1	1																					
Tractor & soil tiller, roller, seeder															1	1	1				1	1	1	1												1	1	1		
Cement mixer												1	1	1	1	1	1	1	1	1																				
Mobile crane												1	1	1	1	1	1	1	1	1																				
Grader	1	1	1	1	1	1	1																																	
Cable laying tracked crane																																								
Cable winch											1	1	1	1	1	1	1	1	1	1																				
Pre-cast concrete truck												1	1	1	1	1	1	1	1	1																				
Mobile concrete pump											1	1	1	1	1	1	1	1	1																					
Telehandler	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1																				
Mobile self-contained welfare unit	2	2	2	2																																	2	2	2	
Crawler Crane							1	1	1	1	1	2	2	2	2	2	1	1	1	1																				
Mobile generator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1														2	2	2	
Temporary lighting	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2														3	3	3	
Road surface paver & roller	1	1	1	1																																				
Pump							1	2	2	2	2	2	2	2	2	2	2	2	2	1																		1	1	1
Total Plant Onsite In Section Per Month	21	21	21	21	32	32	34	34	34	35	37	41	41	41	47	47	37	25	17	12	19	19	19	19	0	0	0	0	0	0	0	0	0	0	0	36	36	36		
Total Deliveries / Removals	21	0	0	0	17	0	8	6	0	1	2	4	0	0	6	0	10	12	8	5	19	0	0	0	19	0	12	0	0	0	0	0	0	0	0	36	0	33		
Average Deliveries / Removals Per Day	1	0	0	0	1	0	1	1	0	1	1	1	0	0	1	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	2		
Average Total two-way HGV movements (Deliveries / Removals) Per Day	2	0	0	0	2	0	2	2	0	2	2	2	0	0	2	0	2	2	2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4	0	4		

Section 2 - Construction Plant Requirements

Plant	Month																																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
D6 Dozer	1	1	1	1	2	2	1								2	2	2				2	2	2	2										2	2	2		
30T Excavator	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	2			2	2	2	2											3	3	3	
20T Dumper	3	3	3	3	5	5	5	6	6	6	6	6	6	6	8	8	4	2			2	2	2	2											6	6	6	
Smooth Drum vibrio road roller	1	1	1	1	2	2	1								1	1	1				1	1	1	1											2	2	2	
21T excavator	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	2	1			1	1	1	1											3	3	3	
5T Forward Tipping Dumper	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	2	1			1	1	1	1											3	3	3	
Loading shovel	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	2				2	2	2	2											3	3	3	
Trench Roller							2	2	2	2	2	2	2	2	2	2																				2	2	2
Tractor & fencing kit					1	1															1	1	1	1														
Tractor & trailer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											1	1	1	
Tractor & Fuel bowser (or self-propelled)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											1	1	1	
Tractor & Water bowser (for dust suppression)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											1	1	1	
Tractor & cable drum trailer												1	1	1	1	1	1	1	1																			
Tractor & soil tiller, roller, seeder															1	1	1				1	1	1	1											1	1	1	
Cement mixer													1	1	1	1	1	1	1	1																		
Mobile crane													1	1	1	1	1	1	1	1																		
Grader	1	1	1	1	1	1	1																															
Cable laying tracked crane																																						
Cable winch													1	1	1	1	1	1	1	1																		
Pre-cast concrete truck													1	1	1	1	1	1	1	1																		
Mobile concrete pump												1	1	1	1	1	1	1	1																			
Telehandler	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1																	
Mobile self-contained welfare unit	2	2	2	2																																2	2	2
Crawler Crane							1	1	1	1	1	2	2	2	2	2	1	1	1	1																		
Mobile generator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1											2	2	2	
Temporary lighting	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2											3	3	3	
Road surface paver & roller	1	1	1	1																																		
Pump							1	2	2	2	2	2	2	2	2	2	2	2	2	1																1	1	1
Total Plant Onsite In Section Per Month	21	21	21	21	32	32	34	34	34	35	37	41	41	41	47	47	37	25	17	12	19	19	19	19										36	36	36		
Total Deliveries / Removals	21	0	0	0	17	0	8	6	0	1	2	4	0	0	6	0	10	12	8	5	19	0	0	0	19	0	0	0	0	0	0	0	0	0	36	0	36	
Average Deliveries / Removals Per Day	1	0	0	0	1	0	1	1	0	1	1	1	0	0	1	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2	
Average Total two-way HGV movements (Deliveries / Removals) Per Day	2	0	0	0	2	0	2	2	0	2	2	2	0	0	2	0	2	2	2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	4	0	4		

Section 2 - Average Daily Personnel Requirements

Number of Additional Site Personnel Per Activity (general labourers, drillers, drilling foremen, electricians, joiners, bricklayers etc)	Total Working Days	Total Person Days	Month																																								
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36					
Establish construction consolidation site and site access off Sizewell Gap Road	88	264	3	3	3	3																																					
Site preparation including fencing, temporary drainage and haul road construction	44	176					4	4																																			
Onshore Export Cable Installation Sction 2A and 2B																																											
Trench Route Clearance / Topsoil Strip	44	88					2	2																																			
Trench Excavation	220	330							3	2	2	2	1	1	1	1	1	1																									
Duct Installation	220	330							3	2	2	2	1	1	1	1	1	1																									
Trench Backfill	198	264								2	2	2	1	1	1	1	1	1																									
Jointing Bay Excavation	242	352								2	2	2	1	1	1	1	1	1	2	2																							
Jointing Bay Base Constriction	198	264										2	1	1	1	1	1	1	2	2																							
Pulling and connection of cables	198	286											1	1	1	1	1	1	2	2	3																						
Jointing Bay Walls and Roof	198	330											1	1	1	1	1	1	2	2	3	3																					
Backfill over Jointing Bays	44	132																																				3	3				
Trench Route Reinstatement / Topsoil Reinstatement	66	198																																				3	3	3			
Medium Length Onshore HDD Crossing of Obstacle 2.1 and 2.2																																											
Establish Onshore HDD drilling compound	44	132						3	3																																		
HDD Drilling works & Ducting (assume working 24/7 7 days a week) Includes Admin of HDD Compound	120	120								1	1	1	1																														
HDD Drilling risk programme 'float'	30	120												4																													
Demobilisation of HDD kit and welfare	22	66													3																												
Removal of Onshore HDD compound	44	132															3	3																									
Movement of fence line to minimum extents	88	264																							3	3	3	3															
Haul Road Removal (includes removal of fencing) and reinstatement	66	198																																					3	3	3		
Construction consolidation site and access road Removal	154	462																							3	3	3	3											3	3	3		
Plant Operators																																											
Overall Plant Operators	792	14,322	17	17	17	17	28	28	28	27	27	28	30	33	33	33	39	39	29	17	9	7	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	28	28
Section 2 Engineering Personnel																																											
Lead Engineer, 1 x Assistant Engineers, 1 x surveyors, 1 x Foreman	792	3,168	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Average Total Employees per day			24	24	24	24	38	41	41	40	40	43	41	48	47	44	53	53	41	29	19	14	26	26	26	26	4	4	4	4	4	4	4	4	4	4	4	4	4	44	44	41	
Maximum Total Employee Two-way Movements Per Day (car/small van)			48	48	48	48	76	82	82	80	80	86	82	96	94	88	106	106	82	58	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	8	8	8	8	88	88	82	

Section 2 - Total Vehicle Movement Requirements

Activity	Week																																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36					
Materials and Welfare and Operation Plant Daily HGV Movements Total Two-way HGV Movement Per Day	34	34	34	34	28	36	20	22	20	22	24	26	28	26	34	34	14	14	6	4	18	18	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	40	40	40	
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicle Movements Tab where the percentage increase is presented	42	42	42	42	34	44	25	27	25	27	30	32	34	32	42	42	17	17	8	5	22	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	49	49	49	
Construction Plant Average Total two-way HGV Movements (deliveries / Removals) Per Day	2	0	0	0	2	0	2	2	0	2	2	0	0	2	0	2	2	2	2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
Average total two-way HGV Movements Per Day	44	42	42	42	36	44	27	29	25	29	32	34	34	32	44	42	19	19	10	7	24	22	22	22	2	0	0	0	0	0	0	0	0	0	0	0	53	49	53		
Maximum Total Employee Two-way Movements Per Day (car/small van)	48	48	48	48	76	82	82	80	80	86	82	96	94	88	106	106	82	58	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	8	8	8	8	88	88	82	
Employee Two-Way Movements Plus additional 10% for Miscellaneous Movements	53	53	53	53	84	91	91	88	88	95	91	106	104	97	117	117	91	64	42	31	58	58	58	58	9	9	9	9	9	9	9	9	9	9	9	9	9	97	97	91	
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	97	95	95	95	120	135	118	117	113	124	123	140	138	129	161	159	110	83	52	38	82	80	80	80	11	9	9	9	9	9	9	9	9	9	9	9	150	146	144		

Section 3 - Average Materials and Welfare and Operation Plant Daily HGV Movements

Activity	Total Working Days	Total HGVs	Months																																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Establish construction consolidation site compound and site accesses	88	1,170	14	14	14	14																																	
Mobilisation of Welfare and Operation Plant to CCS	88	55	1	1	1	1																																	
Site preparation including fencing, temporary drainage and haul road construction.	44	343					8	8																															
Onshore Export Cable Installation Sction 3A and 3B																																							
Trench Route Clearance / Topsoil Strip	44	0					0	0																															
Trench Excavation	220	400							2	2	2	2	2	2	2	2	2	2																					
Duct Installation	220	241							2	2	2	2	2	2	2	2	2	2																					
Trench Backfill	198	18								1	1	1	1	1	1	1	1	1																					
Jointing Bay Excavation	242	276								2	2	2	2	2	2	2	2	2	2	2	2																		
Jointing Bay Base Constriction	198	19										1	1	1	1	1	1	1	1	1	1																		
Pulling and connection of cables	198	61											1	1	1	1	1	1	1	1	1	1																	
Jointing Bay Walls and Roof	198	56											1	1	1	1	1	1	1	1	1	1	1																
Backfill over Jointing Bays	44	0																																		0	0		
Trench Route Reinstatement / Topsoil Reinstatement	66	0																																		0	0	0	
Movement of fence line to minimum extents	88	0																						0	0	0	0												
Haul Road Removal (includes removal of fencing) and reinstatement	66	343																																		6	6	6	
Demobilisation of Welfare from CCS	66	110																																		2	2	2	
Construction consolidation site and access road Removal	154	1,170																						8	8	8	8									8	8	8	
Average Section Skip HGVS Movements Per Day	594	228	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								1	1	1			
Total HGVs per day			16	16	16	16	9	9	5	8	8	9	10	11	11	11	11	11	6	6	3	2	9	9	9	9	0	0	0	0	0	0	0	0	0	0	17	17	17
Total two-way HGVS movements per day			32	32	32	32	18	18	10	16	16	18	20	22	22	22	22	22	12	12	6	4	18	18	18	18	0	0	0	0	0	0	0	0	0	0	34	34	34

Section 3 - Construction Plant Requirements

Plant	Month																																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
D6 Dozer	1	1	1	1	2	2	1					Q	Q	Q	Q	Q					2	2	2	2										2	2	2				
30T Excavator	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	2	2			2	2	2	2											3	3	3			
20T Dumper	3	3	3	3	5	5	5	6	6	6	6	6	6	6	6	6	2	2			2	2	2	2												6	6	6		
Smooth Drum vibrio road roller	1	1	1	1	2	2	1														1	1	1	1												2	2	2		
21T excavator	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	1	1			1	1	1	1												3	3	3		
5T Forward Tipping Dumper	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	1	1			1	1	1	1											3	3	3		
Loading shovel	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3					2	2	2	2												3	3	3		
Trench Roller							2	2	2	2	2	2	2	2	2																					2	2	2		
Tractor & fencing kit					1	1															1	1	1	1																
Tractor & trailer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1												1	1	1		
Tractor & Fuel bowser (or self-propelled)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1												1	1	1		
Tractor & Water bowser (for dust suppression)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1												1	1	1		
Tractor & cable drum trailer												1	1	1	1	1	1	1	1	1																				
Tractor & soil tiller, roller, seeder																					1	1	1	1												1	1	1		
Cement mixer													1	1	1	1	1	1	1	1																				
Mobile crane													1	1	1	1	1	1	1	1																				
Grader	1	1	1	1	1	1	1																																	
Cable laying tracked crane																																								
Cable winch												1	1	1	1	1	1	1	1	1																				
Pre-cast concrete truck																																								
Mobile concrete pump												1	1	1	1	1	1	1	1	1																				
Telehandler	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1																			
Mobile self-contained welfare unit	2	2	2	2																																	2	2	2	
Crawler Crane							1	1	1	1	1	2	2	2	2	2	2	1	1	1	1																			
Mobile generator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1														2	2	2	
Temporary lighting	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2														3	3	3	
Road surface paver & roller	1	1	1	1																																				
Pump							1	2	2	2	2	2	2	2	2	2	2	2	2	1																		1	1	1
Total Plant Onsite In Section Per Month	21	21	21	21	30	30	34	34	34	35	37	41	41	41	41	41	25	25	17	12	19	19	19	19												36	36	36		
Total Deliveries / Removals	21				15		10	6			1	2	4				16		8	5	19				19											36		36		
Average Deliveries / Removals Per Day	1	0	0	0	1	0	1	1	0	1	1	1	0	0	0	0	1	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
Average Total two-way HGV movements (Deliveries / Removals) Per Day	2	0	0	0	2	0	2	2	0	2	2	2	0	0	0	0	2	0	2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4	0	4		

Section 4 - Average Materials and Welfare and Operation Plant Daily HGV Movements

Activity	Total Working Days	Total HGVs	Months																																						
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
Establish construction consolidation site compound and site accesses	88	1,170	14	14	14	14																																			
Mobilisation of Welfare and Operation Plant to CCS	88	55	1	1	1	1																																			
Site preparation including fencing, temporary drainage and haul road construction.	44	688					16	16																																	
Construction of access roads for National Grid Over Head Line Works	66	602							10	10	10																														
Onshore Export Cable Installation Sction 4A and 4B																																									
Trench Route Clearance / Topsoil Strip	44	0					0	0																																	
Trench Excavation	220	460							3	3	3	3	3	3	3	3	3	3																							
Duct Installation	220	279							2	2	2	2	2	2	2	2	2	2	2																						
Trench Backfill	198	22								1	1	1	1	1	1	1	1	1	1																						
Jointing Bay Excavation	242	368								2	2	2	2	2	2	2	2	2	2	2	2																				
Jointing Bay Base Constriction	198	25									1	1	1	1	1	1	1	1	1	1																					
Pulling and connection of cables	198	71										1	1	1	1	1	1	1	1	1	1	1																			
Jointing Bay Walls and Roof	198	75											1	1	1	1	1	1	1	1	1	1																			
Backfill over Jointing Bays	44	0																																			0	0			
Trench Route Reinstatement / Topsoil Reinstatement	66	0																																			0	0	0		
Movement of fence line to minimum extents	88	0																						0	0	0	0														
Haul Road Removal (includes removal of fencing) and reinstatement	66	688																																				11	11	11	
Removal of access road for National Grid Overhead Line Works	66	602																																				10	10	10	
Demobilisation of Welfare from CCS	66	55																																				1	1	1	
Construction consolidation site and access road Removal	154	1,170																						8	8	8	8											8	8	8	
Average Section Skip HGV Movements Per Day	594	772	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2										2	2	2			
Total HGVs per day			17	17	17	17	18	18	17	20	20	11	12	13	13	13	13	13	7	7	4	3	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	32	32	32	
Total two-way HGV movements per day			34	34	34	34	36	36	34	40	40	22	24	26	26	26	26	26	14	14	8	6	20	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	64	64	64

Section 4 - Average Daily Personnel Requirements

Number of Additional Site Personnel Per Activity (general labourers, drillers, drilling foremen, electricians, joiners, bricklayers etc)	Total Working Days	Total Person Days	Month																																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Establish construction consolidation site compound and site access off Sizewell Gap Road	22	66	3	3	3	3																																	
Site preparation including fencing, temporary drainage and haul road construction	44	176					4	4																															
Construction of access roads for National Grid Overhead Line Works	66	198							3	3	3																												
Onshore Export Cable Installation Section 4A and 4B																																							
Trench Route Clearance / Topsoil Strip	44	88					2	2																															
Trench Excavation	220	330						3	2	2	2	1	1	1	1	1	1																						
Duct Installation	220	330						3	2	2	2	1	1	1	1	1	1																						
Trench Backfill	198	264							2	2	2	1	1	1	1	1	1																						
Jointing Bay Excavation	242	352							2	2	2	1	1	1	1	1	1	2	2																				
Jointing Bay Base Constriction	198	264									2	1	1	1	1	1	1	2	2																				
Pulling and connection of cables	198	286										1	1	1	1	1	1	2	2	3																			
Jointing Bay Walls and Roof	198	330										1	1	1	1	1	1	2	2	3	3																		
Backfill over Jointing Bays	44	132																																	3	3			
Trench Route Reinstatement / Topsoil Reinstatement	66	198																																	3	3	3		
Movement of fence line to minimum extents	88	264																				3	3	3	3														
Haul Road Removal (includes removal of fencing) and reinstatement	66	198																																		3	3	3	
Removal of access road for National Grid Overhead Line Works	66	198																																		3	3	3	
Construction consolidation site and access road Removal	154	462																				3	3	3	3											3	3	3	
Plant Operators																																							
Overall Plant Operators	792	13,926	17	17	17	17	26	26	30	31	31	28	30	33	33	33	33	17	17	9	7	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	28	28	28
Section 3 Engineering Personnel																																							
Lead Engineer, 1 x Assistant Engineers, 1 x surveyors, 1 x Foreman	792	3,168	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
Average Total Employees per day			24	24	24	24	36	36	43	46	46	42	40	44	44	44	44	29	29	19	14	26	26	26	26	4	4	4	4	4	4	4	4	4	4	47	47	44	
Maximum Total Employee Two-way Movements Per Day (car/small van)			48	48	48	48	72	72	86	92	92	84	80	88	88	88	88	58	58	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	8	8	94	94	88

Section 4 - Total Vehicle Movement Requirements

Activity	Week																																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
Materials and Welfare and Operation Plant Daily HGV Movements Total Two-way HGV Movements Per Day	34	34	34	34	36	36	34	40	40	22	24	26	26	26	26	14	14	8	6	20	20	20	20	0	0	0	0	0	0	0	0	0	0	64	64	64		
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicle Movements Tab where the percentage increase is presented	42	42	42	42	45	45	42	50	50	27	30	32	32	32	32	18	18	10	8	25	25	25	25	0	0	0	0	0	0	0	0	0	79	79	79			
Construction Plant Average Total two-way HGV Movements (deliveries / Removals) Per Day	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	4	4	4		
Average total two-way HGV Movements Per Day	44	44	44	44	49	49	46	54	54	31	34	36	36	36	36	22	22	12	10	27	27	27	27	0	0	0	0	0	0	0	0	0	83	83	83			
Maximum Total Employee Two-way Movements Per Day (car/small van)	48	48	48	48	72	72	86	92	92	84	80	88	88	88	88	58	58	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	8	8	8	94	94	88
Employee Two-Way Movements Plus additional 10% for Miscellaneous Movements	53	53	53	53	80	80	95	102	102	93	88	97	97	97	97	64	64	42	31	58	58	58	58	9	9	9	9	9	9	9	9	9	9	9	9	104	104	97
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	97	97	97	97	129	129	141	156	156	124	122	133	133	133	133	86	86	54	41	85	85	85	85	9	9	9	9	9	9	9	9	9	9	9	187	187	180	

Substation - Average Materials and Welfare and Operation Plant Daily HGV Movements

Activity	Total Working Days	Total HGVs	Months																																													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36										
Permanent Access Road	66	1,025	16	16	16																																											
Construction Compound Construction	88	642	8	8	8	8																																										
Welfare Mobilisation	66	50		2	2	2																																										
Site Clearance Works	66	654				10	10	10																																								
Project Substation - National Grid Connection	44	15							1	1																																						
Development Platform Earthworks	132	35				1	1	1	1	1	1																																					
Foundation Works	242	7,112									30	30	30	30	30	30	30	30																														
Sub-structure Works	110	70													1	1	1	1	1																													
Super-Structure Works	110	22															1	1	1	1	1																											
M&E Kit Installation	110	904																	9	9	9	9	9																									
Wiring Up	132	0																	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Commissioning	264	0																		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Reinstatement	66	0																																												0	0	0
Construction Compound Removal and Welfare Demobilisation	66	692																																										11	11	11	11	
Average Section Skip HGV Movements Per Day	792	544	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Total HGVs per day			24	26	26	21	11	12	32	31	31	30	30	30	30	31	31	32	32	11	10	10	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11
Total two-way HGV movements per day			48	52	52	42	22	24	64	62	62	60	60	60	60	62	62	64	64	22	20	20	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22

Substation - Monthly Construction Plant Requirements

Activity	Months																																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
D6 Dozer	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2																		2	2	2		
30T excavator	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2																			2	2	2	
20T dumper	4	4	4	6	6	6	6	4	4	2	2	2	2	2	2	2	2																			2	2	2	
Smooth Drum vibro road roller	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2																			2	2	2	
21T excavator	4	4	4	4	4	4	4	4	4	2	2	2	2	4	4	4	4	2																			2	2	2
5T Forward Tipping Dumper	4	4	4	4	4	4	4	4	4	2	2	2	2	4	4	4	4	2																			2	2	2
Loading shovel	4	4	4	2	2	2	4	2	2	2	2	2	2	2	2	2	2																				2	2	2
Tractor & trailer	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Tractor & Fuel bowser (or self-propelled)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Tractor & Water bowser (for dust supression)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Grader	4	4	4	4	2	2	4	4	4	2	2	2	2	2	2	2	2																				2	2	2
Mobile self-contained welfare unit	2	2	2	2																																	2	2	2
Road surface paver & roller	2	2	2				2	2	2	2	2	2	2	2	2	2	2																				2	2	2
Concrete batching plant							2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Dry-mix silos							4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Cement mixer																2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mobile crane (light for general use)														2	2	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Mobile crane (heavy)																			2	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Specialist heavy-lifting gantry & associated equipment																			2	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Static crane																2	2	4	6	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Pre-cast concrete truck							2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Mobile concrete pump							2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Telehandler						2	2							2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Mobile generator						2	2									2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
3T Forward Tipping Dumper													2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Scissor lift																2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Mobile powered aerial platform (boom lift / 'cherry picker')																2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Scaffolding (deliveries)																2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Formwork (deliveries)							2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
JCB Wheeled excavator														2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Forklift																		2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Pump (4 per delivery)				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Temporary lighting (8 per delivery)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Trench Roller							2	2																															
Crawler Crane							2	2																															
Total Plant Onsite In Section Per Month	46	46	46	46	42	50	68	56	56	42	42	42	42	60	60	78	78	74	66	66	40	40	40	40	40	40	40	40	40	40	40	40	40	0	0	0			
Total Deliveries / Removals	46	0	0	8	4	8	18	12	0	14	0	0	0	18	0	18	0	36	24	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	
Average Deliveries / Removals Per Week	12	0	0	2	1	2	5	3	0	4	0	0	0	5	0	5	0	9	6	0	7	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0			
Average Total two-way HGV movements (Deliveries / Removals) Per Week	24	0	0	4	2	4	10	6	0	8	0	0	0	10	0	10	0	18	12	0	14	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0			
Average Total two-way HGV movements (Deliveries / Removals) Per Day	5	0	0	1	1	1	2	2	0	2	0	0	0	2	0	2	0	4	3	0	3	0	0	0	0	0	0	0	0	0	0	0	4	0	0				

National Grid Works

Construction Vehicle movements (quarterly)																				
Activities	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Site Enabling																				
HGVs	3000	3000	1500																	
LGVs	950	450	250																	
Substation Works																				
HGVs			160	300	650	650	650	650	800	800	1800	1800	1800	1800	500	500	20	20	40	44
LGVs			720	1120	1900	2180	2180	2180	1850	1850	1850	1850	800	800	800	400	200	200	200	200
Overhead Line Works																				
HGVs						268	268	268	268	402	402			134	264	264			402	402
LGVs						360	360	360	360	360	360			180	360	360				
TOTALS																				
Total two-way HGV movements per quarter	3000	3000	1660	300	650	918	918	918	1068	1202	2202	1800	1800	1934	764	764	20	20	442	446
Total two-way daily HGV movements (assuming 66 working days per quarter)	45	45	25	5	10	14	14	14	16	18	33	27	27	29	12	12	0	0	7	7
Total dail delivereries	23	23	13	2	5	7	7	7	8	9	17	14	14	15	6	6	0	0	3	3
Total two-way LGV movements per quarter	950	450	970	1120	1900	2540	2540	2540	2210	2210	2210	1850	800	980	1160	760	200	200	200	200
Total two-way daily LGV movements (assuming 66 workidn days per quarter)	14	7	15	17	29	38	38	38	33	33	33	28	12	15	18	12	3	3	3	3
Total daily LGV arrivals	7	3	7	8	14	19	19	19	17	17	17	14	6	7	9	6	2	2	2	2