



**SCOTTISHPOWER
RENEWABLES**

East Anglia ONE North Offshore Windfarm

Appendix 26.12

Assignment of HGV and Employee Traffic to the Highway Network

Preliminary Environmental Information

Volume 3

EA1N-DEVWF-ENV-REP-IBR-000295_012

Employee Traffic Distribution

Landfall (Link 11 B1353)	Total employees	32
	Car-share ratio	1.5
	Total vehicles	21
	Percentage resident workers	0.34
	Percentage in-migrant workers	0.66
	Total in-migrant workers vehicles	14

Point of entry to study area	Residents		In-migrant		Combined	Links														
	Percentage split	Total worker vehicles (one-way)	Percentage split	Total worker vehicles (one-way)	Total worker vehicles (one-way)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	31.0%	2.3	31.9%	4	7	7			7							7		7	7	7
2	8.3%	0.6	13.0%	2	2		2			2		2		2				2		2
3	42.4%	3.1	28.7%	4	7			7			7			7		7		7		7
4	10.9%	0.8	0.1%	0	1				1									1	1	1
8 or 10	1.6%	0.1	17.2%	2	3							3			3	3				
14 or 15	5.8%	0.4	9.0%	1	2											2		2	2	2

Total worker vehicles (one-way)	7	2	7	8	2	7	2	3	10	3	21	0	19	9	19
Total worker vehicles (two-way)	13	5	14	15	5	14	5	5	19	5	43	0	38	18	38

Landfall (Link 12 Sizewell Gap)	Total employees	32
	Car-share ratio	1.5
	Total vehicles	21
	Percentage resident workers	0.34
	Percentage in-migrant workers	0.66
	Total in-migrant workers vehicles	14

Point of entry to study area	Residents		In-migrant		Combined	Links														
	Percentage split	Total worker vehicles (one-way)	Percentage split	Total worker vehicles (one-way)	Total worker vehicles (one-way)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	31.0%	2.3	31.9%	4	7	7			7							7				
2	8.3%	0.6	13.0%	2	2		2		2							2				
3	42.4%	3.1	28.7%	4	7			7			7			7		7		7		7
4	10.9%	0.8	0.1%	0	1				1									1		
8 or 10	1.6%	0.1	17.2%	2	3							3			3	3				
14 or 15	5.8%	0.4	9.0%	1	2											2		2	2	2

Total worker vehicles (one-way)	7	2	7	10	0	7	0	3	7	3	0	21	0	11	9
Total worker vehicles (two-way)	13	5	14	20	0	14	0	5	14	5	0	43	0	23	18

Landfall (Link 11 access)	
Landfall (Link 12 access)	
Landfall (worst case)	

Total worker vehicles (two-way)	13	5	14	15	5	14	5	5	19	5	43	0	38	18	38
Total worker vehicles (two-way)	13	5	14	20	0	14	0	5	14	5	0	43	0	23	18
Total worker vehicles (two-way)	13	5	14	20	5	14	5	5	19	5	43	43	38	23	38

Cable Route Section 1 (Link 12 Sizewell Gap)	Total employees	58
	Car-share ratio	1.5
	Total vehicles	39
	Percentage resident workers	0.34
	Percentage in-migrant workers	0.66
	Total in-migrant workers vehicles	26

Point of entry to study area	Residents		In-migrant		Combined	Links														
	Percentage split	Total worker vehicles (one-way)	Percentage split	Total worker vehicles (one-way)	Total worker vehicles (one-way)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	31.0%	4.1	31.9%	8	12	12			12							12				
2	8.3%	1.1	13.0%	3	4		4		4							4				
3	42.4%	5.6	28.7%	7	13			13			13			13		13		13		13
4	10.9%	1.4	0.1%	0	1				1									1		
8 or 10	1.6%	0.2	17.2%	4	5							5			5	5		5		5
14 or 15	5.8%	0.8	9.0%	2	3											3		3	3	3

Total worker vehicles (one-way)	12	4	13	18	0	13	0	5	13	5	0	39	0	21	16
Total worker vehicles (two-way)	24	9	26	36	0	26	0	9	26	9	0	77	0	41	32

Cable Route Section 2 (Link 12 Sizewell Gap)	Total employees	41
	Car-share ratio	1.5
	Total vehicles	27
	Percentage resident workers	0.34
	Percentage in-migrant workers	0.66
	Total in-migrant workers vehicles	18

Point of entry to study area	Residents		In-migrant		Combined	Links														
	Percentage split	Total worker vehicles (one-way)	Percentage split	Total worker vehicles (one-way)	Total worker vehicles (one-way)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	31.0%	2.9	31.9%	6	9	9			9							9				
2	8.3%	0.8	13.0%	2	3		3		3							3				
3	42.4%	3.9	28.7%	5	9			9			9			9		9		9		9
4	10.9%	1.0	0.1%	0	1				1									1		
8 or 10	1.6%	0.2	17.2%	3	3							3			3	3		3		3
14 or 15	5.8%	0.5	9.0%	2	2											2		2	2	2

Total worker vehicles (one-way)	9	3	9	13	0	9	0	3	9	3	0	27	0	15	11
Total worker vehicles (two-way)	17	6	18	26	0	18	0	7	18	7	0	55	0	29	23

Cable Route Section 3 (Link 9 B1069)	Total employees	36
	Car-share ratio	1.5
	Total vehicles	24
	Percentage resident workers	0.34
	Percentage in-migrant workers	0.66
	Total in-migrant workers vehicles	16

Point of entry to study area	Residents		In-migrant		Combined	Links														
	Percentage split	Total worker vehicles (one-way)	Percentage split	Total worker vehicles (one-way)	Total worker vehicles (one-way)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	31.0%	2.5	31.9%	5	8	8			8							8				8
2	8.3%	0.7	13.0%	2	3		3			3		3								
3	42.4%	3.5	28.7%	5	8			8			8			8						
4	10.9%	0.9	0.1%	0	1				1										1	1
8 or 10	1.6%	0.1	17.2%	3	3							3		3	3					
14 or 15	5.8%	0.5	9.0%	1	2										2			2	2	2

Total worker vehicles (one-way)	8	3	8	8	3	8	3	3	24	3	0	0	0	10	10
Total worker vehicles (two-way)	15	5	16	17	5	16	5	6	48	6	0	0	0	21	21

HGV Traffic Distribution

	Access	Peak deliveries (two-way movements)	Links														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Landfall	Sizewell Gap (link 12)	38	38	38	38	38								38			
	B1353 (Link 11)		38	38	38			38		38		38	38				
	Overlap	38	38	38	38	0	38	0	38	0	38	38	38	0	0	0	

	Access	Peak deliveries (two-way movements)	Links														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Cable Route Section 1	Sizewell Gap (link 12)	46	46	46	46	46								46			

	Access	Peak deliveries (two-way movements)	Links														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Cable Route Section 2	Sizewell Gap (Link 12)	41	41	41	41	41								41			

	Access	Peak deliveries (two-way movements)	Links														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Cable Route Section 3	B1069 (Link 9)	35	35	35			35			35							

	Access	Peak deliveries (two-way movements)	Links														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Cable Route Section 3B	B1122 (Link 10)	7								7	7	7					

	Access	Peak deliveries (two-way movements)	Links														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Cable Route Section 4	B1069 (Link 9)	71	71	71	71			71			71						

	Access	Peak deliveries (two-way movements)	Links														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Substaion	B1069 (Link 9)	55	55	55	55			55			55						

	Access	Peak deliveries (two-way movements)	Links														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
National Grid Substaion	B1121 (Link 9)	45	45	45	45			45			45						

			Links														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total two-way HGV movements			331	331	331	125	0	244	0	45	213	45	38	125	0	0	0
Total two-way HGV movements (capped)			254	254	254	125	0	244	0	45	213	45	38	125	0	0	0

24HR AADT	218	218	218	107	0	210	0	39	183	39	33	107	0	0	0
18Hr AAWT	254	254	254	125	0	244	0	45	213	45	38	125	0	0	0