



# **East Anglia TWO Offshore Windfarm**

## **Appendix 26.23**

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

#### **Environmental Statement Volume 3**

Applicant: East Anglia TWO Limited  
Document Reference: 6.3.26.23  
SPR Reference: EA2-DWF-ENV-REP-IBR-000918\_023 Rev 01  
Pursuant to APFP Regulation: 5(2)(a)

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Date: October 2019  
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**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	2	2			2	2	1								2	2	2					2	2	2	2										2	2	2			
30T Excavator	6	6			4	4	4	4	4	4	4	4	4	4	4	4	4	2				2	2	2	2											3	3	3		
20T Dumper	6	6			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	2	2			2	2	1								1	1	1						1	1	1	1										2	2	2		
21T excavator	2	2			3	3	3	3	3	3	3	3	3	3	3	3	2	1					1	1	1	1										3	3	3		
3T Forward Tipping Dumper	2	2			2	2	2	3	3	3	3	3	3	3	3	3	2	1					1	1	1	1										3	3	3		
Loading shovel	2	2			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	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		
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		
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		
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										1	1	1		
Cement mixer												1	1	1	1	1	1	1	1	1	1																			
Mobile crane												1	1	1	1	1	1	1	1	1	1																			
Grader	1	1			1	1	1																																	
Cable laying tracked crane												1	1	1	1	1	1	1	1	1																				
Cable winch													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	1																				
Telehandler	1	1			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1																	
Mobile self-contained welfare unit	1	1																																			2	2	2	
Crawler Crane							1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1																		
Mobile generator	2	2			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1												2	2	2	
Temporary lighting	2	2			2	2	3	3	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																																						
Pump							1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1																1	1	1
<b>Total Plant Onsite In Section Per Month</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>32</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>35</b>	<b>37</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>47</b>	<b>47</b>	<b>37</b>	<b>25</b>	<b>17</b>	<b>12</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>36</b>	<b>36</b>			
<b>Total Deliveries / Removals</b>	<b>34</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>8</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>10</b>	<b>12</b>	<b>8</b>	<b>5</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>0</b>	<b>33</b>			
<b>Average Deliveries / Removals Per Day</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>			
<b>Average Total two-way HGV movements (Deliveries / Removals) Per Day</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>				







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	2	2	2	1								2	2	2				2	2	2	2											2	2	2	
30T Excavator	3	3	3	6	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	6	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	2	2	2	1								1	1	1				1	1	1	1										2	2	2		
21T excavator	1	1	1	2	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	2	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	2	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															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										1	1	1		
Cement mixer												1	1	1	1	1	1	1	1	1	1	1																
Mobile crane												1	1	1	1	1	1	1	1	1	1	1																
Grader	1	1	1	1	1	1	1																															
Cable laying tracked crane												1	1	1	1	1	1	1	1	1																		
Cable winch																																						
Pre-cast concrete truck												1	1	1	1	1	1	1	1	1	1	1																
Mobile concrete pump											1	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	2	2	1	1																
Mobile self-contained welfare unit	1	1	1	1																															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	2	2	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	2	2	2	3	3	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	2	2	1														1	1	1
Total Plant Onsite in Section Per Month	21	21	21	34	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	13	8	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	36	0	36		
Average Deliveries / Removals Per Day	1	0	0	1	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	2	0	2		
Average Total two-way HGV movements (Deliveries / Removals) Per Day	2	0	0	2	2	0	2	2	0	2	2	2	0	0	2	0	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	4	0	4			





**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					4	4																2	2	2	2											2	2	2					
30T Excavator					5	5	2	4	4	4	4	4	4	4	4	4	2	2				2	2	2	2												3	3	3				
20T Dumper					5	5	2	6	6	6	6	6	6	6	6	2	2					2	2	2	2												6	6	6				
Smooth Drum vibrio road roller					2	2																1	1	1	1												2	2	2				
21T excavator					2	2	2	3	3	3	3	3	3	3	3	3	1	1				1	1	1	1												3	3	3				
3T Forward Tipping Dumper					2	2	2	3	3	3	3	3	3	3	3	3	1	1				1	1	1	1												3	3	3				
Loading shovel					3	3	2	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	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			
Tractor & Fuel bowser (or self-propelled)					1	1	2	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	2	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	1	1																						
Mobile crane												1	1	1	1	1	1	1	1	1	1	1	1	1																			
Grader					1	1																																					
Cable laying tracked crane												1	1	1	1	1	1	1	1	1	1																						
Cable winch													1	1	1	1	1	1	1	1	1	1	1	1																			
Pre-cast concrete truck													1	1	1	1	1	1	1	1	1	1	1	1																			
Mobile concrete pump												1	1	1	1	1	1	1	1	1	1	1	1	1																			
Telehandler					1	1	1	2	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	
Crawler Crane								1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1																		
Mobile generator					2	2	4	2	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					2	2	16	3	3	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																																					
Pump								4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1																	1	1	1
<b>Total Plant Onsite In Section Per Month</b>	0	0	0	0	34	34	45	34	34	35	37	41	41	41	41	41	25	25	17	12	19	19	19	19	19	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36		
<b>Total Deliveries / Removals</b>	0	0	0	0	34	0	43	31	0	1	2	4	0	0	0	0	16	0	8	5	19	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	36	0	36		
<b>Average Deliveries / Removals Per Day</b>	0	0	0	0	2	0	2	2	0	1	1	1	0	0	0	1	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2		
<b>Average Total two-way HGV movements (Deliveries / Removals) Per Day</b>	0	0	0	0	4	0	4	4	0	2	2	2	0	0	0	2	0	2	2	2	2	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4			





**Section 4 - 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	2	2	2	2	2																2	2	2	2										2	2	2		
30T Excavator	3	4	4	4	2	2	2	4	4	4	4	4	4	4	4	4	2	2				2	2	2	2										3	3	3		
20T Dumper	3	6	6	6	2	2	2	6	6	6	6	6	6	6	6	2	2					2	2	2	2										6	6	6		
Smooth Drum vibrio road roller	1	2	2	2	1	1																1	1	1	1										2	2	2		
21T excavator	1	2	2	2	1	1	2	3	3	3	3	3	3	3	3	3	1	1				1	1	1	1										3	3	3		
5T Forward Tipping Dumper	1	2	2	2	1	1	2	3	3	3	3	3	3	3	3	3	1	1				1	1	1	1										3	3	3		
Loading shovel	1	2	2	2	2	2	2	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	2	
Tractor & fencing kit	1	1	1	1																		1	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	1	1	1	1	1	1	1	1		
Tractor & Fuel bowser (or self-propelled)	1	1	1	1	1	1	2	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		
Tractor & Water bowser (for dust suppression)	1	1	1	1	1	1	2	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		
Tractor & cable drum trailer											1	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	1	1																		
Mobile crane												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		
Grader	1	2	2	2																																			
Cable laying tracked crane												1	1	1	1	1	1	1	1	1	1																		
Cable winch													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		
Pre-cast concrete truck													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		
Mobile concrete pump												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	
Telehandler	1	1	1	1			1	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	
Mobile self-contained welfare unit	1	1	1	1	1	1	2																														2	2	2
Crawler Crane							1	1	1	1	1	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
Mobile generator	1	2	2	2	1	1	4	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	1	2	2	2	1	1	16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Road surface paver & roller	1	1	1	1																																			
Pump							4	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	
<b>Total Plant Onsite In Section Per Month</b>	<b>21</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>16</b>	<b>16</b>	<b>45</b>	<b>34</b>	<b>34</b>	<b>35</b>	<b>37</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>25</b>	<b>25</b>	<b>17</b>	<b>12</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>36</b>	<b>36</b>		
<b>Total Deliveries / Removals</b>	<b>21</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>35</b>	<b>31</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>8</b>	<b>5</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>0</b>	<b>36</b>		
<b>Average Deliveries / Removals Per Day</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>		
<b>Average Total two-way HGV movements (Deliveries / Removals) Per Day</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>			















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
<b>Site Enabling</b>																				
HGVs	3000	3000	1500																	
LGVs	950	450	250																	
<b>Substation Works</b>																				
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
<b>Overhead Line Works</b>																				
HGVs						268	268	268	268	402	402			134	264	264			402	402
LGVs						360	360	360	360	360	360			180	360	360				
<b>Totals</b>																				
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 daily deliveries	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