

# MONA OFFSHORE WIND PROJECT

## Environmental Statement

### Volume 7, Annex 8.5: Construction vehicle trip generation assumptions

Reference Number: MOCNS-J3303-RPS-10133

Document Reference: F7.8.5

APFP Regulations: 5(2)(a)

February 2024

F01

Image of an offshore wind farm

Image of an offshore wind farm

MONA OFFSHORE WIND PROJECT

Document status

Version	Purpose of document	Authored by	Reviewed by	Approved by	Review date
F01	Application	RPS	Mona Offshore Wind Ltd	Mona Offshore Wind Ltd	Feb 2024

Prepared by:	Prepared for:
RPS	Mona Offshore Wind Ltd.

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## MONA OFFSHORE WIND PROJECT

### Acronyms

Acronym	Description
HDD	Horizontal Directional Drilling
HV	Heavy Vehicle
LV	Light Vehicle

### Units

Unit	Description
m <sup>3</sup>	Cubic Metres
km	Kilometres
m	Metres
m <sup>2</sup>	Metres squared
%	Percentage
t	Tonnes

## 1 Construction vehicle trip generation assumptions

- 1.1.1.1 This annex presents the construction vehicle trip assumptions that have been used to estimate vehicle movements for the construction of the Mona Offshore Wind Project. The construction vehicle movements are set out in Volume 7, Annex 8.6: Traffic flows with construction traffic of the Environmental Statement.
- 1.1.1.2 These construction vehicle movements have been used to assess the traffic and transport impact of Mona Offshore Wind Project presented in Volume 3, Chapter 8: Traffic and transport of the Environmental Statement.
- 1.1.1.3 The construction assumptions are presented within Appendix A of this annex and include the construction vehicle trip generation assumptions for:
- The construction of each cable corridor section of the Mona Onshore Development Area which are broadly in accordance with the works areas as defined on the Works Plans (Document reference B3) submitted as part of the DCO application.
  - The construction of Landfall
  - The construction of the Onshore Substation
  - Programme requirements for Heavy Vehicles (HVs) (which for the purposes of assessment include abnormal indivisible loads), Light Vehicles (LVs) and total vehicles.
- 1.1.1.4 The construction vehicle trip assumptions set out in Appendix A of this annex are in line with the traffic and transport maximum design scenario set out in section 8.7 of Volume 3, Chapter 8: Traffic and transport of the Environmental Statement.

## Appendix A: Construction vehicle trip generation assumptions



Construction vehicle movements by cable route section

Section (works area)	Description	Total HGV Movements					Duration (days)		Average Daily HGV Movements (over construction duration)					Daily Staff		Daily Staff Vehicle Movements								Av. Daily Veh M/ments (over construction duration)						Staff Peak Hour			Hourly HGVs
		Cable Route	TT	Sub Station	Landfall	Total	Cable route	TT	Cable Route	Sub Station	TT	Landfall	Total	Cable Route	TT opps	Cable Route	TT opps	Landfall / Sub Station	Total					HGV	Lights	Total				HGVs	Lights	Total	
	Landfall	80			9,900	9,980	206.25	206.25				48	48					37	45					48	37	86					19	19	4
11a	Onshore Cable Route	3,078	0			3,078	16	0	197		0		197	20	10	30	15		45				197	45	242					23	23	18	
11b	Onshore Cable Route	1,041	1,680			2,721	17	125	62		13		76	20	10	30	15		45				76	45	121					23	23	7	
12	Onshore Cable Route	11,219	0			11,219	208	0	54		0		54	20	10	30	15		45				54	45	99					23	23	5	
14	Onshore Cable Route	9,415	0			9,415	140	0	67		0		67	20	10	30	15		45				67	45	112					23	23	6	
15	Onshore Cable Route	7,918	0			7,918	130	0	61		0		61	20	10	30	15		45				61	45	106					23	23	6	
17	Onshore Cable Route	6,115	0			6,115	62	0	98		0		98	20	10	30	15		45				98	45	143					23	23	9	
20	Onshore Cable Route	5,387	0			5,387	125	0	43		0		43	20	10	30	15		45				43	45	88					23	23	4	
21	Onshore Cable to Grid (NG)	1,565	0			1,565	47	0	33		0		33	20	10	30	15		45				33	45	78					23	23	3	
	Sub Station			41,654			756			55								127					55	127	182					63	63	5	
	Total	45,817	1,680	41,654	9,900	99,051																											



Total vehicle movement requirements (Substation) - Mona Offshore Wind Farm

Activity	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
Materials and Welfare and Operation Plant Daily HGV Movements Total Two-way HGV Movements Per Day	31	76	123	123	121	121	121	121	129	129	39	39	39	40	39	48	48	48	48	48	48	48	9	9	9	9	9	1	1	1	1	86	79
Increase to account for Miscellaneous allowances	-	-	-	-	-	-	-	-	151	151	46	46	46	47	46	58	58	58	58	58	58	58	11	11	11	11	11	1	1	1	1	102	94
Construction Plant Average Total two-way HGV Movements (deliveries / Removals) Per Day	-	-	-	-	-	-	-	-	2	0	0	0	0	1	1	1	0	0	0	0	0	0	3	0	0	0	0	1	0	0	0	2	0
Average total two-way HGV Movements Per Day	31	76	123	123	121	121	121	121	117	115	34	34	34	37	35	47	46	46	46	46	46	2	0	11	11	11	2	1	1	1	104	94	
Total Employee Two-way Movements Per Day (car/small van)	30	45	60	60	60	60	60	60	158	158	158	158	160	180	200	220	235	245	255	255	255	255	245	235	220	200	180	160	158	158	158	158	
Total HGV and Car/small van Two-way Movements Per Day (car/small van)	61	121	183	183	181	181	181	181	274	272	191	191	194	217	235	267	281	291	301	301	301	301	247	235	231	211	191	162	159	159	159	262	252

## Total vehicle movement requirements (Landfall) - Mona Offshore Wind Project

Item		Daily cars, vans etc	Daily LGVs	Daily artics	Daily misc HGVs	Daily craneage	Total no. of daily vehs	Duration (days)	Total no. of vehs	Total staff movements	Total non-staff light veh movements	Total HGV movements	Total veh movements
1	Temporary access road construction												
	Delivery of plant		2	2	2		6	1	6		4	8	12
	Staff	5					5	30	150	300		0	300
	Delivery of materials								0		0	0	0
	Geotextile				5		5	1	5		0	10	10
	Stone				10		10	30	300		0	600	600
	Drainage				5		5	1	5		0	10	10
	Fencing	5	1		15		21	1	21		12	30	42
	Fencing erection	4	1				5	18	90		180	0	180
2	Compound construction												
	Delivery of materials										0	0	
	Geotextile				1		1	1	1		0	2	2
	Stone						53	10	264		0	528	528
	Drainage				1		1	1	1		0	2	2
	Fencing				5		5	1	5		0	10	10
	Fencing erection	4	1				5	5	25		50	0	50
	Removal of plant from site	4	2	4	2		12	1	12		12	12	24
3	Site mobilization												
	Offices and welfare facilities										0	0	
	Delivery	4	2	3	2	1	12	1	12		12	10	24
	Set up				1	1	2	1	2		0	2	4
4	Drilling equipment mobilization												
	HDD spread	5					5	10	50		100	0	100
	Set up				1	1	2	10	20		0	20	40
	Rig, drill rods and accessories			8	3		11	4	44		0	88	88
	Drilling fluid materials				4		4	2	8		0	16	16
	Pumps, generators etc				2		2	2	4		0	8	8
	Recycling system, hoses etc			2			2	2	4		0	8	8
5	Drilling operations							207					
	Water supply			3			3	207	621		0	1242	1242
	Drilling fluid materials				4		4	207	828		0	1656	1656
	Removal of cuttings				4		4	207	828		0	1656	1656
	Removal of drilling fluid				4		4	207	828		0	1656	1656
6	Site operation												
	Staff	17					17	200	3400	6800		0	6800
	Water supply				4		4	100	400		0	800	800
	Emptying of septic tank			2			2	30	60		0	120	120
	Removal of waste skips			2			2	30	60		0	120	120
	Cleaning and maintenance	1					1	30	30		60	0	60
7	Drilling equipment demobilization												
	HDD spread	5					5	10	50		100	0	100
	Load out				1	1	2	2	4		0	4	8
	Rig, drill rods and accessories			8	3		11	4	44		0	88	88
	Pumps, generators,				2		2	2	4		0	8	8
	Recycling system, hoses etc				2		2	2	4		0	8	8
8	Site demobilization												
	Offices and welfare facilities	4	2	3	2		11	2	22		24	20	44
	Load out				1	1	2	1	2		0	2	4
	Fencing				20		20	1	20		0	40	40
9	Site reinstatement												
	Delivery of plant	4	2	4	2		12	1	12		12	12	24
	Staff	7					7	40	280	560		0	560
	Removal of stone etc from site				0		53	10	264		0	528	528
	Removal of plant from site	4	2	4	2		12	2	24		24	24	48
Total number of vehicle movements (Rounded)										7,700	600	9,300	17,600

For simplicity and worst case, assume LGVs = HGVs  
9,900 Total HGV movements  
7,700 Total staff movements  
17,600 Total vehicle movements  
9 month duration

## Total vehicle movement requirements (Landfall) - Mona Offshore Wind Project

### **Total vehicle movement requirements HGVs - Mona Offshore Wind Project**

			2026												2027												2028											
			Q1	Q1	Q1	Q2	Q2	Q2	Q3	Q3	Q3	Q4	Q4	Q4	Q1	Q1	Q1	Q2	Q2	Q3	Q3	Q3	Q4	Q4	Q4	Q1	Q1	Q1	Q2	Q2	Q2	Q3	Q3	Q3				
			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			
Landfall - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Landfall set-up	50	1364																																				
Landfall drilling works	207	7250																																				
Landfall demob/reinstatement	50	734																																				
Allowance for misc TCC1 operations over 33 month period			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
Total			10	10	10	10	10	10	37	37	45	45	45	45	10	10	10	10	10	10	45	45	45	45	45	25	25	10	10	10	10	10	10	10	10			
Works Area 11a - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	1,256	18	18	18																																	
Corridor haul rd and fencing etc install	6	180																																				
Corridor works	23	391																																				
Corridor haul rd demob/reinstatement	6	174																																				
Corridor compound and facilities demob/reinstatement	69	1,256																																				
Sub-Total			18	18	18	32	17	31	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				
20% uplift for misc HGV movements			4	4	4	6	3	6	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Total			22	22	22	38	20	37	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Works Area 11b - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	200	3	3	3																																	
Corridor haul rd and fencing etc install	6	193																																				
Corridor works	93	2,041																																				
Corridor haul rd demob/reinstatement	6	187																																				
Corridor compound and facilities demob/reinstatement	69	200																																				
Sub-Total			3	3	3	32	22	22	22	22	31	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
20% uplift for misc HGV movements			1	1	1	6	4	4	4	4	6	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Total			4	4	4	38	26	26	26	26	37	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Works Area 12 - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	1,256	18	18	18																																	
Corridor haul rd and fencing etc install	76	2,369																																				
Corridor works	302	4,117																																				
Corridor haul rd demob/reinstatement	76	2,321																																				
Corridor compound and facilities demob/reinstatement	69	1,256																																				
Sub-Total			18	18	18	31	31	31	14	14	14	14	14	14	14	14	14	14	14	14	14	31	31	31	18	18	18	0	0	0	0	0	0	0				
20% uplift for misc HGV movements			4	4	4	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	4	4	4	0	0	0	0	0	0	0				
Total			22	22	22	37	37	37	17	17	17	17	17	17	17	17	17	17	17	17	17	37	37	37	22	22	22	0	0	0	0	0	0	0				
Works Area 14 - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	1,784																																				
Corridor haul rd and fencing etc install	51	1,599																																				
Corridor works	204	2,781																																				
Corridor haul rd demob/reinstatement	51	1,567																																				
Corridor compound and facilities demob/reinstatement	69	1,784																																				
Sub-Total			0	0	0	0	0	0	26	26	26	31	31	14	14	14	14	14	14	14	14	14	31	31	26	26	26	0	0	0	0	0	0	0				
20% uplift for misc HGV movements			0	0	0	0	0	0	5	5	5	6	6	3	3	3	3	3	3	3	3	3	6	6	5	5	5	0	0	0	0	0	0	0				
Allowance for misc primary compound operations over 33 month period			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
Total			10	10	10	10	10	10	41	41	41	47	47	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	0	0	0	0	0				
Works Area 15 - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	1,256	18	18	18																																	
Corridor haul rd and fencing etc install	47	1,480																																				
Corridor works	189	2,575																																				
Corridor haul rd demob/reinstatement	47	1,450																																				
Corridor compound and facilities demob/reinstatement	69	1,256																																				
Sub-Total			18	18	18	31	31	14	14	14	14	14	14	14	14	14	31	31	18	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0				
20% uplift for misc HGV movements			4	4	4	6	6	3	3	3	3	3	3	3	3	6	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Total			22	22	22	37	37	17	17	17	17	17	17	17	17	17	37	37	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0				
Works Area 17 - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	1,784	26	26	26																																	
Corridor haul rd and fencing etc install	23	712																																				
Corridor works	91	1,238																																				
Corridor haul rd demob/reinstatement	23	696																																				
Corridor compound and facilities demob/reinstatement	69	1,784																																				
Sub-Total			26	26	26	31	14	14	14	14	31	26	26	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
20% uplift for misc HGV movements			5	5	5	6	3	3	3	6	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Allowance for misc primary compound operations over 33 month period			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10					
Total			41	41	41	47	27	27	27	27	47	41	41	41	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10					
Works Area 20 - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	100																																				
Corridor haul rd and fencing etc install	45	1,422																																				
Corridor works	181	2,472																																				
Corridor haul rd demob/reinstatement	45	1,392																																				
Corridor compound and facilities demob/reinstatement	69	100																																				
Sub-Total			0	0	0	0	0	1	1	1	31	31	14	14	14	14	14	14	14	14	31	31	1	1	1	0	0	0	0	0	0	0	0	0				
20% uplift for misc HGV movements			0	0	0	0	0	0	0	0	6	6	3	3	3	3	3	3	3	3	6	6	0	0	0	0	0	0	0	0	0	0	0	0				
Total			0	0	0	0	0	1	1	1	37	37	17	17	17	17	17	17	17	17	37	37	1	1	1	0	0	0	0	0	0	0	0	0				
Works Area 21 - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	100																																				
Corridor haul rd and fencing etc install	17	540																																				
Corridor works	69	397																																				
Corridor haul rd demob/reinstatement	17	528																																				
Corridor compound and facilities demob/reinstatement	69	100																																				
Sub-Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	31	6	6	6	31	1	1	1				
20% uplift for misc HGV movements			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	6	1	1	1	6	0	0				
Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	37	7	7	7	37	1	1	1				
Substation - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	100																																				
Corridor haul rd and fencing etc install	17	540																																				
Corridor works	69	397																																				
Corridor haul rd demob/reinstatement	17	528																																				
Corridor compound and facilities demob/reinstatement	69	100																																				
Sub-Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	31	6	6	6	31	1	1	1				
20% uplift for misc HGV movements			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	6	1	1	1	6	0	0				
Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	37	7	7	7	37	1	1	1				
Substation - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	100																																				
Corridor haul rd and fencing etc install	17	540																																				
Corridor works	69	397																																				
Corridor haul rd demob/reinstatement	17	528																																				
Corridor compound and facilities demob/reinstatement	69	100																																				
Sub-Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	31	6	6	6	31	1	1	1				
20% uplift for misc HGV movements			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	6	1	1	1	6	0	0				
Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	37	7	7	7	37	1	1	1				
Substation - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	100																																				
Corridor haul rd and fencing etc install	17	540																																				
Corridor works	69	397																																				
Corridor haul rd demob/reinstatement	17	528																																				
Corridor compound and facilities demob/reinstatement	69	100																																				
Sub-Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	31	6	6	6	31	1	1	1				
20% uplift for misc HGV movements			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	6	1	1	1	6	0	0				
Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	37	7	7	7	37	1	1	1				
Substation - Daily HGV Movements																																						
Activity	Working Days	Total HGV m/mts																																				
Corridor compound and facilities set-up	69	100																																				
Corridor haul rd and fencing etc install	17	540																																				
Corridor works	69	397																																				
Corridor haul rd demob/reinstatement	17	528																																				
Corridor compound and facilities demob/reinstatement	69	100																																				
Sub-Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	31	6	6	6	31	1	1	1				
20%																																						

## Total movement requirements HGVs - Mona Offshore Wind Project

## Total vehicle movement requirements LVs - Mona Offshore Wind Project

		2026															2027															2028														
		Q1	Q1	Q1	Q2	Q2	Q2	Q3	Q3	Q3	Q4	Q4	Q4	Q1	Q1	Q1	Q2	Q2	Q2	Q3	Q3	Q3	Q4	Q4	Q4	Q4	Q1	Q1	Q1	Q2	Q2	Q2	Q3	Q3	Q3											
		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												
Landfall - Daily Light Vehicle Movements																																														
Activity	Working Days	Total light veh m/ments																																												
Landfall set-up	50	670																																												
Landfall drilling works	207	6860																																												
Landfall demob/reinstatement	50	720																																												
Allowance for misc TCC1 operations over 33 month period		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20													
Total		0	0	0	0	0	13	13	33	33	33	33	33	0	0	0	0	0	0	33	33	33	33	33	14	14	0	0	0	0	0	0	0	0	0											
Works Area 11a - Daily Light Vehicle Movements																																														
Activity		Daily light veh m/ments																																												
Corridor compound and facilities set-up	30	30	30	30																																										
Corridor haul rd and fencing etc install	30				30																																									
Corridor works	45				45																																									
Corridor haul rd demob/reinstatement	30					30																																								
Corridor compound and facilities demob/reinstatement	30						30	30	30																																					
Sub-Total		30	30	30	30	45	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
20% uplift for misc light vehicle movements		6	6	6	6	9	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Total		36	36	36	36	54	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Works Area 11b - Daily Light Vehicle Movements																																														
Activity		Daily light veh m/ments																																												
Corridor compound and facilities set-up	30	30	30	30																																										
Corridor haul rd and fencing etc install	30				30																																									
Corridor works	45				45	45	45	45																																						
Corridor haul rd demob/reinstatement	30						30																																							
Corridor compound and facilities demob/reinstatement	30							30	30	30																																				
Sub-Total		30	30	30	30	45	45	45	45	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
20% uplift for misc light vehicle movements		6	6	6	6	9	9	9	9	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Total		36	36	36	36	54	54	54	54	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Works Area 12 - Daily Light Vehicle Movements																																														
Activity		Daily light veh m/ments																																												
Corridor compound and facilities set-up	30	30	30	30																																										
Corridor haul rd and fencing etc install	30				30	30	30																																							
Corridor works	45					45	45	45	45	45	45	45	45	45	45	45	45	45																												
Corridor haul rd demob/reinstatement	30																			30	30	30																								
Corridor compound and facilities demob/reinstatement	30											30	30	30																																
Sub-Total		30	30	30	30	30	30	45	45	45	45	45	45	45	45	45	45	45	45	30	30	30	30	30	30	30	0	0	0	0	0	0	0	0												
20% uplift for misc light vehicle movements		6	6	6	6	6	6	9	9	9	9	9	9	9	9	9	9	9	9	6	6	6	6	6	6	6	0	0	0	0	0	0	0	0												
Total		36	36	36	36	36	54	54	54	54	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Works Area 14 - Daily Light Vehicle Movements																																														
Activity		Daily light veh m/ments																																												
Corridor compound and facilities set-up	30						30	30	30																																					
Corridor haul rd and fencing etc install	30									30	30																																			
Corridor works	45											45	45	45	45	45	45	45	45																											
Corridor haul rd demob/reinstatement	30																				30	30																								
Corridor compound and facilities demob/reinstatement	30																					30	30	30																						
Sub-Total		0	0	0	0	0	0	30	30	30	30	30	45	45	45	45	45	45	45	45	30	30	30	30	30	30	0	0	0	0	0	0	0	0												
20% uplift for misc light vehicle movements		0	0	0	0	0	0	6	6	6	6	6	6	9	9	9	9	9	9	9	6	6	6	6	6	6	0	0	0	0	0	0	0	0												
Allowance for misc primary compound operations over 33 month period		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20												
Total		20	20	20	20	20	56	56	56	56	56	74	74	74	74	74	74	74	74	74	74	56	56	56	56	56	20	20	20	20	20	20	20	20												
Works Area 15 - Daily Light Vehicle Movements																																														
Activity		Daily light veh m/ments																																												
Corridor compound and facilities set-up	30	30	30	30																																										
Corridor haul rd and fencing etc install	30				30	30																																								
Corridor works	45					45	45	45	45	45	45	45	45																																	
Corridor haul rd demob/reinstatement	30										30	30																																		
Corridor compound and facilities demob/reinstatement	30											30	30	30																																
Sub-Total		30	30	30	30	45	45	45	45	45	45	45	45	45	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
20% uplift for misc light vehicle movements		6	6	6	6	9	9	9	9	9	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
Total		36	36	36	36	36	54	54	54	54	54	54	54	54	36	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Works Area 17 - Daily Light Vehicle Movements																																														
Activity		Daily light veh m/ments																																												
Corridor compound and facilities set-up	30	30	30	30																																										
Corridor haul rd and fencing etc install	30				30																																									
Corridor works	45					45	45	45	45																																					
Corridor haul rd demob/reinstatement	30									30																																				
Corridor compound and facilities demob/reinstatement	30										30	30	30																																	
Sub-Total		30	30	30	30	45	45	45	45	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
20% uplift for misc light vehicle movements		6	6	6	6	9	9	9	9	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
Allowance for misc primary compound operations over 33 month period		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20													
Total		56	56	56	56	74	74	74	74	56	56	56	56	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20													
Works Area 20 - Daily Light Vehicle Movements																																														
Activity		Daily light veh m/ments																																												
Corridor compound and facilities set-up	30					30	30	30																																						
Corridor haul rd and fencing etc install	30								30	30																																				
Corridor works	45										45	45	45	45	45	45	45																													
Corridor haul rd demob/reinstatement	30																			30	30																									
Corridor compound and facilities demob/reinstatement	30																				30	30	30																							
Sub-Total		0	0	0	0	0	30	30	30	30	45	45	45	45	45	45	45	45	45	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0												
20% uplift for misc light vehicle movements		0	0	0	0	0	6	6	6	6	6	9	9	9	9	9	9	9	9	6	6	6	6	6	6	0	0	0	0	0	0	0	0													
Total		0	0	0	0	0	36	36	36	36	36	54	54	54	54	54	54	54	54	36	36	36	36	36	36	0	0	0	0	0	0	0	0	0												
Works Area 21 - Daily Light Vehicle Movements																																														
Activity		Daily light veh m/ments																																												
Corridor compound and facilities set-up	30																					30	30	30																						
Corridor haul rd and fencing etc install	30																									30																				
Corridor works	45																										45	45	45																	
Corridor haul rd demob/reinstatement	30																														30															
Corridor compound and facilities demob/reinstatement	30																															30	30	30												
Sub-Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	45	45	45	30	30	30												
20% uplift for misc light vehicle movements		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	6	9	9	9	6	6	6												
Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	54	54	54	36	36	36												
Substation - Daily Light Vehicle Movements																																														
Activity		Daily light veh m/ments																																												
Corridor compound and facilities set-up	30																																													
Corridor haul rd and fencing etc install	30																																													
Corridor works	45																																													
Corridor haul rd demob/reinstatement	30																																													
Corridor compound and facilities demob/reinstatement	30																																													
Sub-Total		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	0	0	0	0													
20% uplift for misc light vehicle movements		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						

## Total movement requirements LVs - Mona Offshore Wind Project

Total vehicle movement requirements total vehicles - Mona Offshore Wind Project

Total Vehicle Movements	Access	2026																2027												2028											
		Q1	Q1	Q1	Q2	Q2	Q2	Q3	Q3	Q3	Q4	Q4	Q4	Q1	Q1	Q1	Q2	Q2	Q2	Q3	Q3	Q3	Q4	Q4	Q4	Q1	Q1	Q1	Q2	Q2	Q2	Q3	Q3	Q3							
		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							
Landfall	A547	10	10	10	10	10	37	37	45	45	45	45	10	10	10	10	10	45	45	45	45	45	25	25	10	10	10	10	10	10	10	10	10	10							
Daily HGV movements		0	0	0	0	0	13	13	33	33	33	33	0	0	0	0	0	33	33	33	33	33	14	14	0	0	0	0	0	0	0	0	0	0							
Daily light vehicle movements		10	10	10	10	10	51	51	78	78	78	78	10	10	10	10	10	78	78	78	78	78	39	39	10	10	10	10	10	10	10	10	10	10							
Daily total vehicle movements																																									
Works Area 11a	A547	22	22	22	38	20	37	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Daily HGV movements		36	36	36	36	54	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Daily light vehicle movements		58	58	58	74	74	73	58	58	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Daily total vehicle movements																																									
Works Area 11b	A548	4	4	4	38	26	26	26	26	37	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Daily HGV movements		36	36	36	36	54	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Daily light vehicle movements		40	40	40	74	80	62	62	62	73	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Daily total vehicle movements																																									
Works Area 12	A548	22	22	22	37	37	37	17	17	17	17	17	17	17	17	17	17	17	17	17	37	37	37	22	22	22	0	0	0	0	0	0	0	0							
Daily HGV movements		36	36	36	36	36	54	54	54	54	54	54	54	54	54	54	54	54	54	54	36	36	36	36	36	36	0	0	0	0	0	0	0	0							
Daily light vehicle movements		58	58	58	73	73	73	71	71	71	71	71	71	71	71	71	71	71	71	71	73	73	73	58	58	58	0	0	0	0	0	0	0	0							
Daily total vehicle movements																																									
Works Area 14	A548	10	10	10	10	10	10	41	41	41	47	47	27	27	27	27	27	27	27	27	47	47	41	41	41	10	10	10	10	10	10	10	10	10							
Daily HGV movements		20	20	20	20	20	20	56	56	56	56	56	74	74	74	74	74	74	74	74	56	56	56	56	56	20	20	20	20	20	20	20	20	20							
Daily light vehicle movements		30	30	30	30	30	30	97	97	97	103	103	101	101	101	101	101	101	101	101	103	103	97	97	97	30	30	30	30	30	30	30	30	30							
Daily total vehicle movements																																									
Works Area 15	B5381	22	22	22	37	37	17	17	17	17	17	17	17	37	37	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Daily HGV movements		36	36	36	36	36	54	54	54	54	54	54	54	36	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Daily light vehicle movements		58	58	58	73	73	71	71	71	71	71	71	71	73	73	58	58	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Daily total vehicle movements																																									
Works Area 17	B5381	41	41	41	47	27	27	27	27	47	41	41	41	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10							
Daily HGV movements		56	56	56	56	74	74	74	74	56	56	56	56	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20							
Daily light vehicle movements		97	97	97	103	101	101	101	101	103	97	97	97	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30							
Daily total vehicle movements																																									
Works Area 20	B5381	0	0	0	0	0	1	1	1	37	37	17	17	17	17	17	17	17	37	37	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0						
Daily HGV movements		0	0	0	0	0	36	36	36	36	36	54	54	54	54	54	54	54	36	36	36	36	36	36	0	0	0	0	0	0	0	0	0	0							
Daily light vehicle movements		0	0	0	0	0	37	37	37	73	73	71	71	71	71	71	71	71	73	73	37	37	37	0	0	0	0	0	0	0	0	0	0	0	0						
Daily total vehicle movements																																									
Works Area 21	B5381	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	37	7	7	7	37	1	1	1	1							
Daily HGV movements		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	54	54	54	36	36	36	36	36							
Daily light vehicle movements		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	73	61	61	61	73	37	37	37	37							
Daily total vehicle movements																																									
Substation	B5381	31	76	123	123	121	121	121	121	117	115	34	34	34	37	35	47	46	46	46	46	46	2	0	11	11	11	2	1	1	1	104	94								
Daily HGV movements		30	45	60	60	60	60	60	60	158	158	158	158	160	180	200	220	235	245	255	255	255	245	235	220	200	180	160	158	##	##	158	158								
Daily light vehicle movements		61	121	183	183	181	181	181	181	274	272	191	191	194	217	235	267	281	291	301	301	301	301	247	235	231	211	191	162	159	##	##	262	252							
Daily total vehicle movements																																									

Total movement requirements - Mona Offshore Wind Project