



Parc Ynni Calon y Gwynt

ENVIRONMENTAL STATEMENT

Appendix 12D: Indicative Construction Traffic Movements Across the 24-Month Construction Period





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1 INTRODUCTION

1.1 OVERVIEW

- 1.1.1. This Appendix (**Appendix 12D: Indicative Construction Traffic Movements Across the 24-Month Construction Period**) has been produced by WSP on behalf of Parc Ynni Calon y Gwynt Cyf (hereafter referred to as 'the Applicant') as part of the Environmental Statement (ES) for the construction and operation of Parc Ynni Calon y Gwynt Proposed Development (herein after referred to as 'the Proposed Development' or 'Site'). This Appendix accompanies **Chapter 12: Traffic and Transport**.

1.2 CONSTRUCTION TRAFFIC MOVEMENTS ACROSS THE 24-MONTH CONSTRUCTION PERIOD

- 1.2.1. **Table 12D-1** summarises the construction traffic movements across the 24-month construction period. All traffic movements generated are assumed to be using Heavy Goods Vehicles (HGVs). While there would be some light vehicle (LV) movements, however these are considered insignificant in terms of an increase in volume for a Proposed Development of this scale and is likely to vary through the different stages of the Proposed Development. Sharing of vehicles and the use of minibuses would be promoted and adopted where practicable.

Table 12D-1 - Construction Traffic Movements Across the 24-Month Period

Construction Programme Month	Total Movements* per Month	Peak Total Movements* per 12 hr Day**	Delivery Activities
1	461	21	Stone for pre-site access tracks.
2	461	21	Stone for pre-site access tracks.
3	461	21	Stone for pre-site access tracks.
4	2,182	99	Stone for pre-site access tracks, temporary compound fencing and huts; plant and equipment; road stone for Temporary Construction Compounds (TCC); culvert and bridge materials; stone for access tracks; geogrid.
5	1,194	54	Stone for pre-site access tracks, stone for access tracks and geogrid.
6	736	33	Culvert and bridge materials; stone for access tracks and geogrid.
7	736	33	Culvert and bridge materials; stone for access tracks and geogrid.
8	1,340	61	Stone for access tracks; stone for crane pads and geogrid.
9	1,407	64	Culvert and bridge materials; stone for access tracks; stone for crane pads; stone for control building and substation compounds and geogrid.
10	1,406	64	Culvert and bridge materials; stone for access tracks; stone for crane pads; stone for control building and substation compounds and geogrid.

Construction Programme Month	Total Movements* per Month	Peak Total Movements* per 12 hr Day**	Delivery Activities
11	1,328	96	Stone for crane pads; stone for control building and substation compounds; concrete for control building; transformer/generator plinths; geogrid; turbine bases concrete; turbine base reinforcing steel and shuttering; base anchors and WTG backfill.
12	1,353	97	Stone for crane pads; stone for control building and substation compounds; concrete for control building; transformer/generator plinths; concrete for substation; geogrid; turbine bases concrete; turbine base reinforcing steel and shuttering and WTG Backfill.
13	1,362	97	Stone for crane pads; stone for control building and substation compounds; concrete for control building; transformer/generator plinths; concrete for substation; geogrid; turbine bases concrete; turbine base reinforcing steel and shuttering; base anchors; crane delivery and WTG backfill.
14	1,351	96	Stone for crane pads; stone for control building and substation compounds; concrete for control building; transformer/generator plinths; concrete for substation; geogrid; turbine bases concrete; turbine base reinforcing steel and shuttering and WTG Backfill.
15	1,340	96	Stone for crane pads; stone for control building and substation compounds; concrete for control building; transformer/generator plinths; delivery of electrical equipment; turbine bases concrete; turbine base reinforcing steel and shuttering; base anchors and WTG Backfill.
16	879	75	Stone for BESS compound (if not reusing TCC); concrete for BESS plinths; delivery of electrical equipment; cabling; sand; turbine bases concrete; turbine base reinforcing steel and shuttering and WTG Backfill.
17	880	75	Stone for BESS compound (if not reusing TCC); concrete for BESS plinths; delivery of electrical equipment; cabling; sand; turbine bases concrete; turbine base reinforcing steel and shuttering; base anchors and WTG Backfill.
18	695	67	Electrical equipment; cabling; sand; turbine bases concrete; turbine base reinforcing steel and shuttering and WTG Backfill.

Construction Programme Month	Total Movements* per Month	Peak Total Movements* per 12 hr Day**	Delivery Activities
19	72	3	Electrical equipment; cabling and sand.
20	71	3	Electrical equipment; cabling and sand.
21	72	3	Electrical equipment; cabling and sand.
22	71	3	Electrical equipment; cabling and sand.
23	84	4	Cabling; sand and removal of plant and compound equipment.
24	89	4	Sand; crane removal and removal of plant and compound equipment.

**Total movements excluding AIL movements which are estimated to occur in months 11 to 18, with approximately 20 associated movements per each of these months.*

***Assuming 2 days per week maximum for Concrete Foundation Delivery and 5.5 Days per Week for Other Deliveries, 22 Days per Month*



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