



# OAKLANDS FARM SOLAR PARK

Applicant: Oaklands Farm Solar Ltd

Environmental Statement

Appendix 4.2 – Indicative Construction Resource Plan

January 2024

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Revision: -

Planning Act 2008

Infrastructure Planning (Application: Prescribed Forms and Procedure) Regulations 2009 - 5(2)(a)

# Oaklands Farm Solar Park - Environmental Statement Volume 3

## Appendix 4.2 - Indicative Construction Resource Plan



**Draft report**

Prepared by LUC

January 2024

# Oaklands Farm 138 MWp & 37.5MW/112.5MWh BESS

Truck numbers includes both "in" and "out" trips

Resource and Machinery Estimation

Activities	Type	Period	1st Month	2nd Month	3rd Month	4th Month	5th Month	6th Month	7th Month	8th Month	9th Month	10th Month	11th Month	12th Month	13th Month	14th Month	15th Month	16th Month
<b>Site Setup</b>	People on site	day	15															
	Cars and vans Daily	day	10															
	Trucks (delivery incl. stone for track)	month	100	80														
	Telescopic	month	2															
	Bobcat	month	1															
	Digger	month	1															
<b>Site Mgmt. &amp; HSE &amp; Logistic</b>	People on site	day	10	20	20	20	20	20	20	20	20	20	20	20	20	20	15	5
	Cars and vans Daily	day	5	10	10	10	10	10	10	10	10	10	10	10	10	10	8	4
	Trucks (waste removal)	month	4	8	12	12	12	12	12	12	12	12	12	8	8	8	8	8
	Trucks (fuel)	month	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<b>Grid Connection &amp; Battery</b>	People on site	day	10	10	15	15	15	15	20	20	20	20	20	20	20	10	10	5
	Cars and vans Daily	day	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Digger	month	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Wheel loader	month	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Trucks (delivery)	month	2	2	2	2	20	20	20	20	20	20	10	10	10	10	10	10
	Trucks (concrete)	month			20	20												
	Crane	month					1	1	1	1	1	1	1	1	2	1	1	
	Trucks (132kV 90MVA Transformer)	month													2			
<b>Piling</b>	People on site	day	10	10	10	10	10											
	Cars and vans Daily	day	2	2	2	2	2											
	Telescopic	month	1	1														
	Bobcat	month	2	2	2	2	2											
	Pilling machines	month	4	4	4	4	4											
	Trucks (delivery)	month	40	20														
<b>Substructure Mounting</b>	People on site	day	20	20	20	20	20	20	20	20	20							
	Cars and vans Daily	day	5	5	5	5	5	5	5	5	5							
	Telescopic	month	1	1	1	1												
	Bobcat	month	4	4	4	4	4	4	4	4	4							
	Trucks (delivery)	month	100	100	100													
<b>DC-Cable laying</b>	People on site	day	5	5	5	15	15	15	15	15	15							
	Cars and vans	day	2	2	2	4	4	4	4	4	4							
	Telescopic	month	1	1	1	1	1											
	Bobcat	month	1	1	1	1	1	1	1	1	1							
	Trucks (delivery)	month	15	15	15	15												
<b>Module Mounting</b>	People on site	day	15	25	30	30	30	30	30	35	35	35	35	20				
	Cars and vans Daily	day	4	4	6	6	6	6	7	7	7	7	5					
	Telescopic	month	1	1	1	1	1	1										
	Bobcat	month	2	2	2	2	2	2	2	2	2	2	2					
	Trucks (delivery)	month	80	80	80	80	60	30										
<b>AC-Cable laying</b>	People on site	day	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
	Cars and vans Daily	day	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Digger	month	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Dumper	month	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Trucks (delivery)	month	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
<b>Inverter Installation</b>	People on site	day	12	12	12	12	12	12	12	12	12	12	12	12	12	12	8	
	Cars and vans Daily	day	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
	Telescopic	month	1	1	1	1												
	Bobcat	month	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Trucks (delivery)	month	4	4	4													
<b>TX-Station Installation</b>	People on site	day		8	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	Cars and vans Daily	day		3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
	Crane	month		1	1	1												
	Trucks (delivery)	month		8	8	2												
<b>Commissioning</b>	People on site	day										10	10	10	10	10	10	10
	Cars and vans Daily	day										4	4	4	4	4	4	4
<b>Engerisation</b>	People on site	day															10	10
	Cars and vans Daily	day															4	4
<b>Defect Mgmt. &amp; Site clearing</b>	People on site	day															15	15
	Cars and vans Daily	day															4	4
	Bobcat	month															2	2
	Digger	month															1	1
	Telescopic	month															1	1
	Trucks (delivery/removal)	month															100	80

Sum	Movement Type	1st Month	2nd Month	3rd Month	4th Month	5th Month	6th Month	7th Month	8th Month	9th Month	10th Month	11th Month	12th Month	13th Month	14th Month	15th Month	16th Month	Total for Construction	Average on site
		45	65	114	132	149	139	144	144	149	135	124	124	109	104	95	45	1821	114
	People On Site Per Month																		
	In and Out Trips per Month	420	420	660	720	760	740	740	740	760	740	740	740	740	760	700	320	10660	
	Trucks* In and Out Trips per Month	148	247	255	241	161	136	114	84	54	54	54	40	42	140	120	40	1930	
	Machinery per Month	17	19	32	33	33	25	24	24	23	19	18	18	19	21	21	5	351	
	Total Vehicles (in and out movements) per Month	585	686	947	994	954	901	878	848	837	813	812	798	761	921	841	365	12941	

Machinery consists of:

- Telehandler [Telehandlers - Wikipedia, the free encyclopedia](#)
- Bobcat Tracked Loader [Delta skid steer loaders - Hanse Baumaschinen GmbH \(hanse-baumaschinen.de\)](#)
- Digger [Extensive upgrades for Caterpillar wheel loaders | Industrial Vehicle Technology International \(ivtinternational.com\)](#)
- Wheel loader
- Crane
- Pilling machines
- Dumper