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APPENDIX 12-6

LiDAR Installation Report

Mayo Planning Authority Inspection Purposes Only!



Planning and
Environmental
Consultants

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Lidar Installation Report

Cunlaghfadda Green
Energy Project



Site Details

Site Name: Cunlaghfadda

Client Name: Cunlaghfadda Green Energy Project Ltd.

Project Number: 220825

Site Information			
Deployment Start date & Time	22/06/2023 @ 00:00	Client Contact Details	Niamh Garvey 086 0333777
Landowner contact details	Niamh Garvey 086 0333777	Site Access Procedure	53° 44' 27.0"N 9° 04' 53.5"W
Site Access Route	53° 44' 27.0"N 9° 04' 53.5"W	Nearest Town/ Postcode	Claremorris

Observed Conditions			
Wind Speed	Wind Direction	Precipitation	Visibility
3.6m/s	326 degrees	0.0mm	>10KM

Deployment Information	
Installation Engineer(s)	Owen Cahill/ Tom Madden
Model of Device	Zephir ZX300
Device Serial Number	1379

Location Information	
Unit Location Grid Coordinates	53° 44' 27.0"N 9° 04' 53.5"W
Elevation	59m
Location Description	Farm Yard
Road Type	Tarmac Drive
Distance from Access Road	5 m
Vehicle Requirements	Opel Movano LWB
Terrain Type	Compacted stone

Location Information	
Current Land Use	Farm Yard
Seasonal Land Use (e.g., crops)	NA

Communications			
Router Hardware	Sim Card Number	Sim Card IP address	Signal Strength
Waltz Software	No SIM card	n/a	n/a

Power Supply			
Type	Distance From Device (Cable Length)	Fuel Level	Lifespan
Mains	15m	n/a	n/a

Device Configuration		
Alignment	Due North	
Scan Type	FD Horizontal Wind Speed (m/s) at Scan Centre at Rm	
Max Range	Met Station is positioned on the ZX300. Clear span around field is approx. 15m	
VAD Processing	ON	OFF
Hourly Scan Home	ON	OFF
Hourly Window Wipe	ON	OFF
Auto Clean	ON	OFF
Heat up Before Start	ON	OFF
Software Version	Zephir Lidar ZP573	
Target Description	N/A	
Distance to Target	N/A	

Device Configuration	
Target Coordinates	53° 44' 27.0"N 9° 04' 53.5"W
Target Elevation	39m to 199m

Notes
ZX300 measurement heights set to: 199m ,179m, 169m, 149m, 139m, 119m, 109m, 99m, 89m, 54m, 38m
Site Description: From the ZX300 – • North – Flat terrain • East – 4m high shed 8m to East • South – 3m high shed 4m to South • West – 6 m high trees 16m to West Note: ZX300 is elevated off ground level so therefore a 1m offset approx. in reported height vs ground level set in software.

PHOTOGRAPHS



Plate 01 View to East



Plate 02 View to South

UNIT CONFIGURATION

ZephIR Configuration

