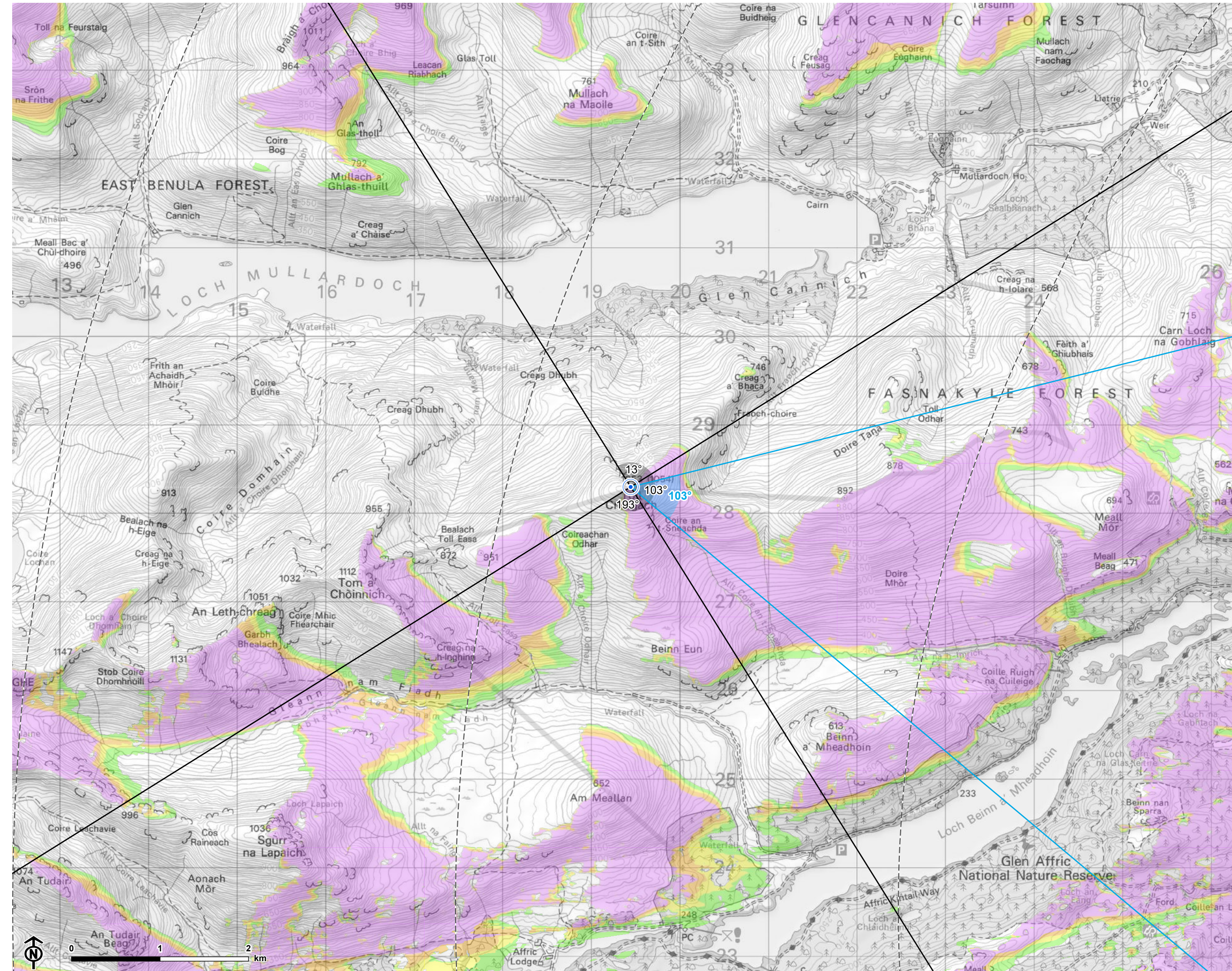


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Loch Liath Wind Farm
for Loch Liath Wind Farm Ltd



Figure: 6.31
VP18: Toll Creagach

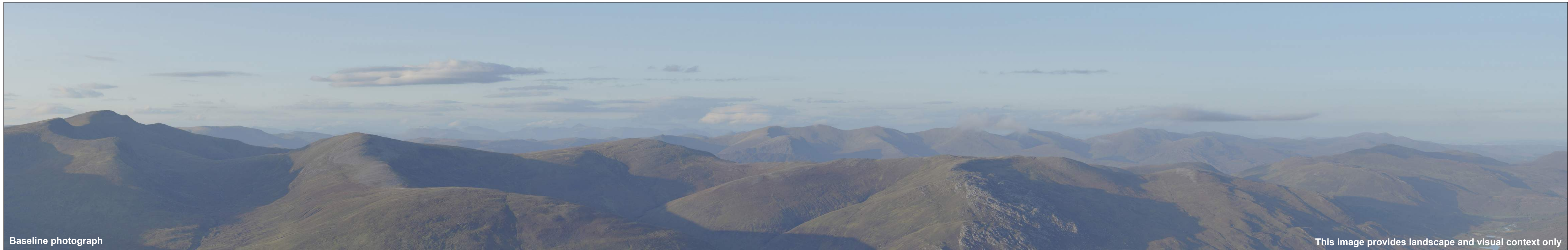
- Site boundary
- Turbine
- 5km intervals from outermost turbines
- LVIA study area 45km from outermost turbines
- Theoretical turbine visibility**
- 1-4 turbines visible
- 5-7 turbines visible
- 8-10 turbines visible
- 11-13 turbines visible
- Wind farm (by status)**
- Operational
- Under construction
- Consented
- Appeal/public inquiry
- Application submitted
- 53.5° field of view
- 90° field of view

Notes:

The ZTV is calculated to turbine tip height (180-200m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data (obtained from Emapsite in November 2022). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.



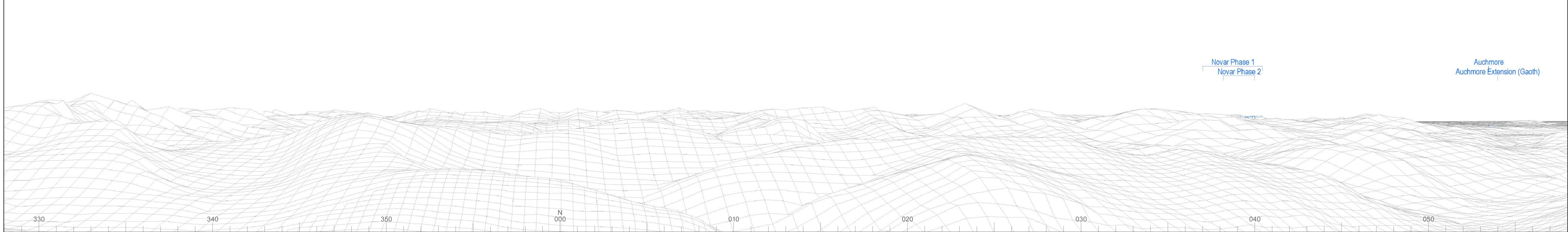
CB: EB:wingfield_h_LUC 11057 Loch Liath LVIA 12/04/2023
Source: Statkraft, LUC



Baseline photograph

This image provides landscape and visual context only

Wireline drawing



OS reference: 219446E 828294N
 AOD: 1052m
 Direction of view: 13°
 Nearest turbine: 18.6km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Sony ILCE-7RM3
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5 m

Photography Date: 17/09/2020
 Photography Time: 18:20:00

Wind Farm Developments key (by status):

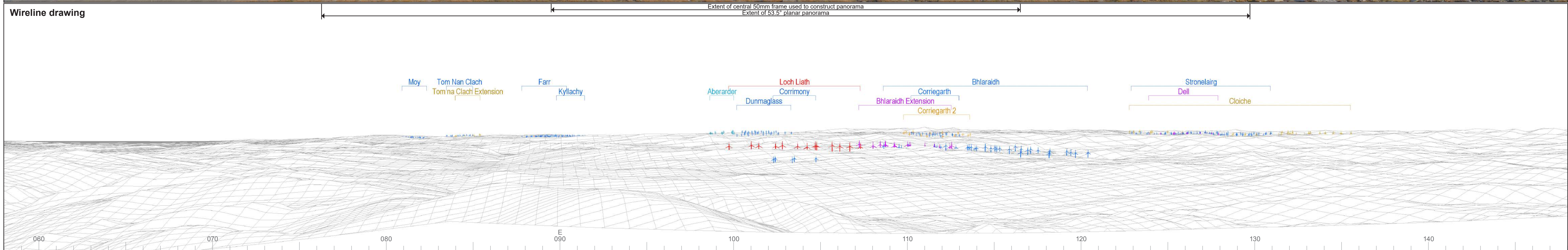
- Proposed scheme Application
- Operational Scoping
- Under construction Appeal/PLI
- Consented

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Baseline photograph

This image provides landscape and visual context only



OS reference: 219446E 828294N
AOD: 1052m
Direction of view: 103°
Nearest turbine: 18.6km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

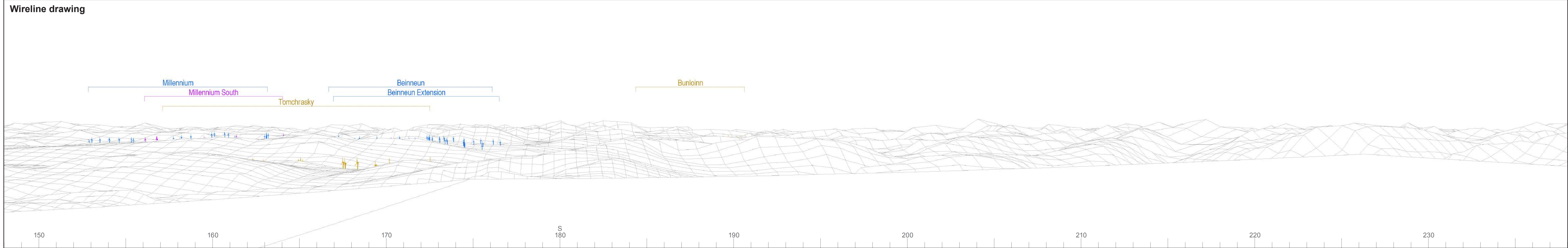
Camera: Sony ILCE-7RM3
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 17/09/2020
Photography Time: 18:20:00

Wind Farm Developments key
(by status):

Proposed scheme Application
Operational Scoping
Under construction Appeal/PLI
Consented

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OS reference: 219446E 828294N
 AOD: 1052m
 Direction of view: 193°
 Nearest turbine: 18.6km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

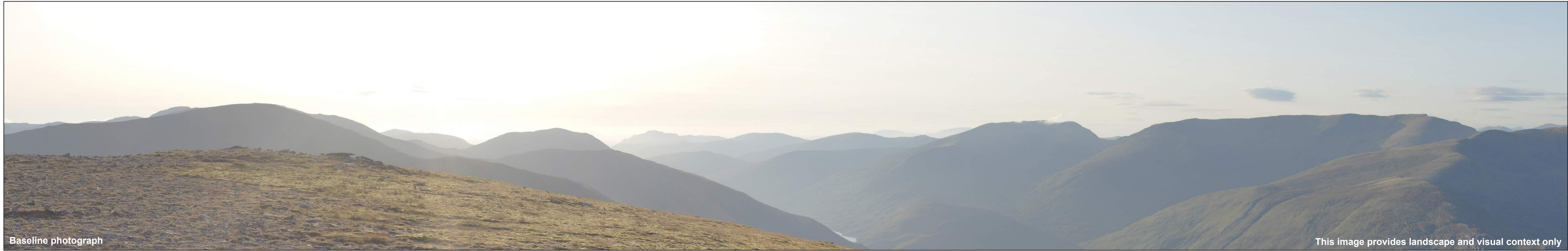
Camera: Sony ILCE-7RM3
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5 m

Photography Date: 17/09/2020
 Photography Time: 18:20:00

Wind Farm Developments key
 (by status):

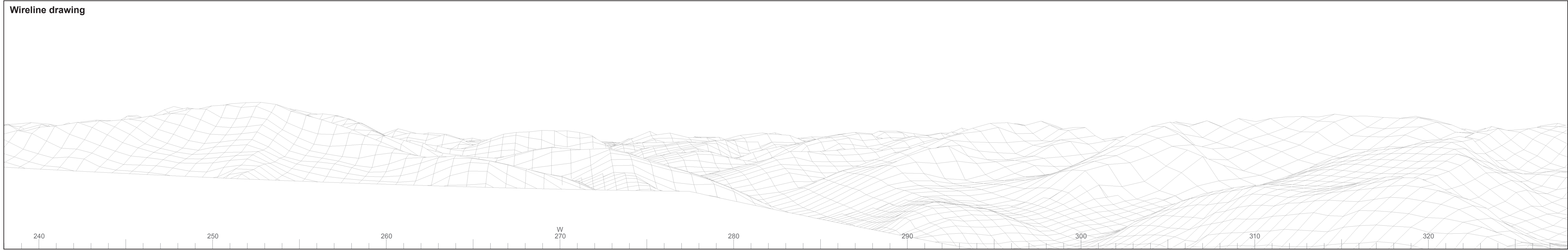
Proposed scheme Application
 Operational Scoping
 Under construction Appeal/PLI
 Consented

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Baseline photograph

This image provides landscape and visual context only



Wireline drawing

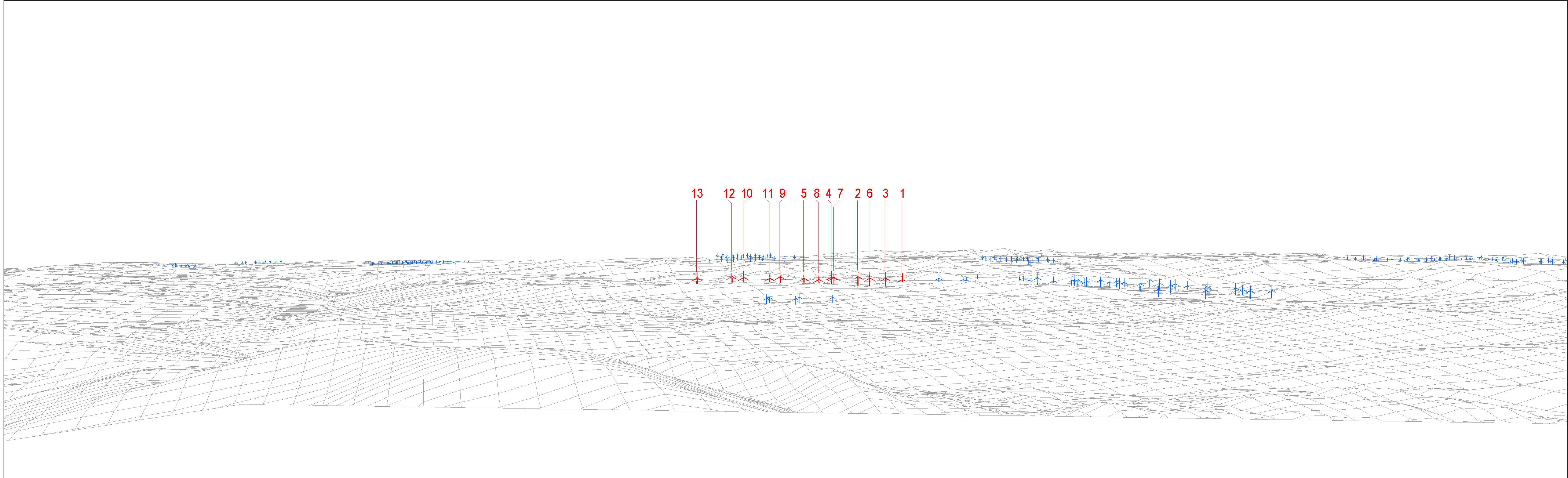
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OS reference: 219446E 828294N	Horizontal field of view: 90° (cylindrical projection)	Camera: Sony ILCE-7RM3	Photography Date: 17/09/2020
AOD: 1052m	Principal distance: 522 mm	Lens: 50mm Fixed Focal Length	Photography Time: 18:20:00
Direction of view: 283°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m	
Nearest turbine: 18.6km	Correct printed image size: 820 x 260 mm		

Wind Farm Developments key (by status):

Proposed scheme	Application
Operational	Scoping
Under construction	Appeal/PLI
Consented	



Wireline drawing

View flat at a comfortable arm's length



OS reference: 219446E 828294N
 AOD: 1052m
 Direction of view: 103°
 Nearest turbine: 18.6km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Wind Farm Developments key
 (by status):

Proposed scheme
 Operational

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Photomontage

View flat at a comfortable arm's length



OS reference: 219446E 828294N
AOD: 1052m
Direction of view: 103°
Nearest turbine: 18.6km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Sony ILCE-7RM3
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 17/09/2020
Photography Time: 18:20:00

Loch Liath Wind Farm
Figure: 6.31f
Viewpoint 18: Toll Creagach



Dusk Photomontage – Maximum intensity aviation hub lighting shown on Turbines T1, T4, T7, T10, T12, T13

View flat at a comfortable arm's length



OS reference: 219446E 828294N	Horizontal field of view: 53.5° (planar projection)	Camera: Sony ILCE-7RM3	Photography Date: 07/06/2021
AOD: 1052m	Principal distance: 812.5 mm	Lens: 50mm Fixed Focal Length	Photography Time: 22:35:00
Direction of view: 103°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m	
Nearest turbine: 18.6km	Correct printed image size: 820 x 260 mm		

Note: Nacelle lights shown in visualisation modelled to reflect individual candela values detailed in Appendix 6.5

Loch Liath Wind Farm
Figure: 6.31g
Viewpoint 18: Toll Creagach - DUSK



Dusk Photomontage - Minimum intensity (10% of maximum candela) aviation hub lighting shown on Turbines T1, T4, T7, T10, T12, T13

View flat at a comfortable arm's length



OS reference: 219446E 828294N
AOD: 1052m
Direction of view: 103°
Nearest turbine: 18.6km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Sony ILCE-7RM3
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 07/06/2021
Photography Time: 22:35:00

Note: Nacelle lights shown in visualisation modelled to reflect individual candela values detailed in Appendix 6.5



Dusk Photomontage – 2000 candela aviation hub lighting shown on Turbines T1, T4, T7, T10, T12, T13

View flat at a comfortable arm's length



OS reference: 219446E 828294N
AOD: 1052m
Direction of view: 103°
Nearest turbine: 18.6km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Sony ILCE-7RM3
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 07/06/2021
Photography Time: 22:35:00

Note: Nacelle lights shown in visualisation modelled to 2000 candela value



Dusk Photomontage - 200 candela aviation hub lighting shown on Turbines T1, T4, T7, T10, T12, T13

View flat at a comfortable arm's length



OS reference: 219446E 828294N
AOD: 1052m
Direction of view: 103°
Nearest turbine: 18.6km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Sony ILCE-7RM3
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 07/06/2021
Photography Time: 22:35:00

Note: Nacelle lights shown in visualisation modelled to 200 candela value