Figures

265000 270000 275000 280000 285000 290000

640000 635000 630000 625000

N

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18

Figure 1.2

Figure 1.3

Figure 1.4

Figure 1.5

Legend

- Proposed Development Site Boundary
- Turbine Location (200m to tip)
- Turbine Location (230m to tip)
- Solar PV Module
- Long Duration Energy Storage
- Proposed Development Substation
- SPEN Preferred Grid Route Corridor

SPEN Preferred Grid Route Alignment

- Overhead Line (OHL)
- OHL (Corridor Option 4A)
- OHL (Corridor Option 4B)
- Underground Cable (UGC) Route
- Consented Redshaw Substation

Note:
SPT is a regulated network business that sits within parent organisation ScottishPower Energy Networks (SPEN). It is understood from available documentation that SPT will be the applicant for the Proposed Development grid connection S37 application. However, SPEN branding is used on reporting and figures associated with the application. For the purposes of this report, SPEN and SPT are used interchangeably.

0 2 4 Kilometres

Scale 1:80,000 @ A3

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HAGSHAW ENERGY CLUSTER WESTERN EXPANSION

3R Energy

SLR

Hagshaw Energy Cluster - Western Expansion Phase 1

Grid Route Assessment Report - Figure 1.1
Indicative SPEN Grid Corridor Route

Date:	Drawn by:	Checked by:	Version:
10/06/2026	GW	JH	V1

269000 270000 271000 272000 273000

631000 630000 629000 628000

N

Muirkirk and North Lowther Uplands SPA

Muirkirk Uplands SSSI

LB14380 LB14381

Muirkirk

Legend

- Proposed Development Site Boundary
- Solar PV Module
- Long Duration Energy Storage
- Short Duration Energy Storage
- Proposed Development Substation
- SPEN Substation
- SPEN Temporary Compound
- Temporary Construction Compound
- Borrow Pit and Bund
- SPEN Preferred Grid Route Corridor
- SPEN Preferred Grid Route Corridor 500 m Buffer

SPEN Preferred Grid Route Alignment

- Overhead Line (OHL)
- Underground Cable (UGC) Route

Ecology Constraint

- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland

Heritage Constraint

- Undesignated Heritage Receptor Location

Listed Building (Category)

- B
- C

Watercourse and Flooding

- Watercourse (OS OpenMap Local)
- Waterbody (OS OpenMap Local)

Peat and Geology Constraint

Carbon and Peatland 2016 Classification

- CLASS 1 All Vegetation Cover is Priority Peatland Habitats. All Soils are Carbon-rich Soils and Deep Peat

Transport Constraint

- Core Path

Landscape and Visual Constraint

- Potential Residential Receptor within 500m of the SPEN Preferred Grid Route Corridor
- East Ayrshire Sensitive Landscape Area

Cumulative Wind Farm Turbine Location (Status)

- Consented

0 400 800 Metres

Scale 1:15,000 @ A3

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HAGSHAW ENERGY CLUSTER WESTERN EXPANSION

3R Energy

SLR

Hagshaw Energy Cluster - Western Expansion Phase 1

Grid Route Assessment Report - Figure 1.2
Indicative SPEN Grid Corridor Route Constraints

Date:	Drawn by:	Checked by:	Version:
10/06/2026	GW	JH	V1

274000 275000 276000 277000 278000

630000 629000 628000 627000

N

Stone Workings
Shafts
Sheepfold
Opencast Workings
Sheep Dip
Monkshead
Spireslack
Glenbuck
Hareshaw Burn
Hareshaw Hill
Arrarat Hill
Viaduct Mine (Opencast Workings)
Stottenburn Bridge No 2
SM2931
Waterfall
Glenbuck Home Farm
Meml
West Glenbuck
Newmains
Catcraig Quarry (disused)
A70
River Ayr Way
Glenbuck Loch
Shiel Hill
Shiel Burn SSSI
Darnhunch
Little Darnhunch
Belt Knowe
Grouse Butts
Parish
Ree Burn and Glenbuck Loch SSSI
Debog
Earl Hill Cairn
Brack Hill
Muirkirk Uplands SSSI
Muirkirk and North Lowther Uplands SPA
Ettrick Cairn
Dovestone Rig
Dunside Rig
Fords
Parishholm Hill
White Hill
Urit Hill

Legend

- SPEN Preferred Grid Route Corridor
- SPEN Preferred Grid Route Corridor 500 m Buffer

SPEN Preferred Grid Route Alignment

- Overhead Line (OHL)
- OHL (Corridor Option 4A)
- OHL (Corridor Option 4B)
- Underground Cable (UGC) Route

Ecology Constraint

- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)

Heritage Constraint

- Scheduled Monument (Centre Point)
- Scheduled Monument

Watercourse and Flooding

- Watercourse (OS OpenMap Local)
- Waterbody (OS OpenMap Local)

Peat and Geology Constraint

Carbon and Peatland 2016 Classification

- CLASS 1 All Vegetation Cover is Priority Peatland Habitats. All Soils are Carbon-rich Soils and Deep Peat
- Geological Conservation Review Site

Transport Constraint

- Core Path

Landscape and Visual Constraint

- Potential Residential Receptor within 500m of the SPEN Preferred Grid Route Corridor
- Douglas Valley Special Landscape Area
- East Ayrshire Sensitive Landscape Area

Cumulative Wind Farm Turbine Location (Status)

- Operational; Under construction

0 400 800 Metres

Scale 1:15,000 @ A3

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HAGSHAW ENERGY CLUSTER WESTERN EXPANSION

3R Energy

SLR

Hagshaw Energy Cluster - Western Expansion Phase 1

Grid Route Assessment Report - Figure 1.3
Indicative SPEN Grid Corridor Route Constraints

Date:	Drawn by:	Checked by:	Version:
10/06/2026	GW	JH	V1

278000 279000 280000 281000 282000

630000 629000 628000 627000

N

Broomerside Hill
Avermarks Hill
Old Shielings
Windrow Hill
Arrarat Hill
High Broomerside
Windrow Burn
Sheepfold
Low Broomerside
Strawberry Hill
Shiel Burn SSSI
Podowrin Burn
Windrow Cottage
Windrow Wood
Hazelside
Jeanfield Bridge
Monksfoot
Monksfoot Bridge
Longhouse Hill
Glespin
Miller's Wood SSSI
West Glespin
East Glespin
Glespinside
Longhouse
Carmacoup
Kiln Hill
Earls Mill
Cairn
Glentaggart Cottage
Kennox
Shafts (dis)
Quarries (dis)
Opencast Workings
Douglas Water
Dismantled Railway
A70
MS

Legend

SPEN Preferred Grid Route Corridor

SPEN Preferred Grid Route Corridor

SPEN Preferred Grid Route Corridor 500 m Buffer

SPEN Preferred Grid Route Alignment

Overhead Line (OHL)

OHL (Corridor Option 4A)

OHL (Corridor Option 4B)

Ecology Constraint

Site of Special Scientific Interest (SSSI)

Ancient Woodland

Watercourse and Flooding

Watercourse (OS OpenMap Local)

Waterbody (OS OpenMap Local)

Geological Conservation Review Site

Transport Constraint

Core Path

Landscape and Visual Constraint

Potential Residential Receptor within 500m of the SPEN Preferred Grid Route Corridor

Douglas Valley Special Landscape Area

Cumulative Wind Farm Turbine Location (Status)

Operational; Under construction

Scoping

0 400 800 Metres

Scale 1:15,000 @ A3

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HAGSHAW ENERGY CLUSTER WESTERN EXPANSION

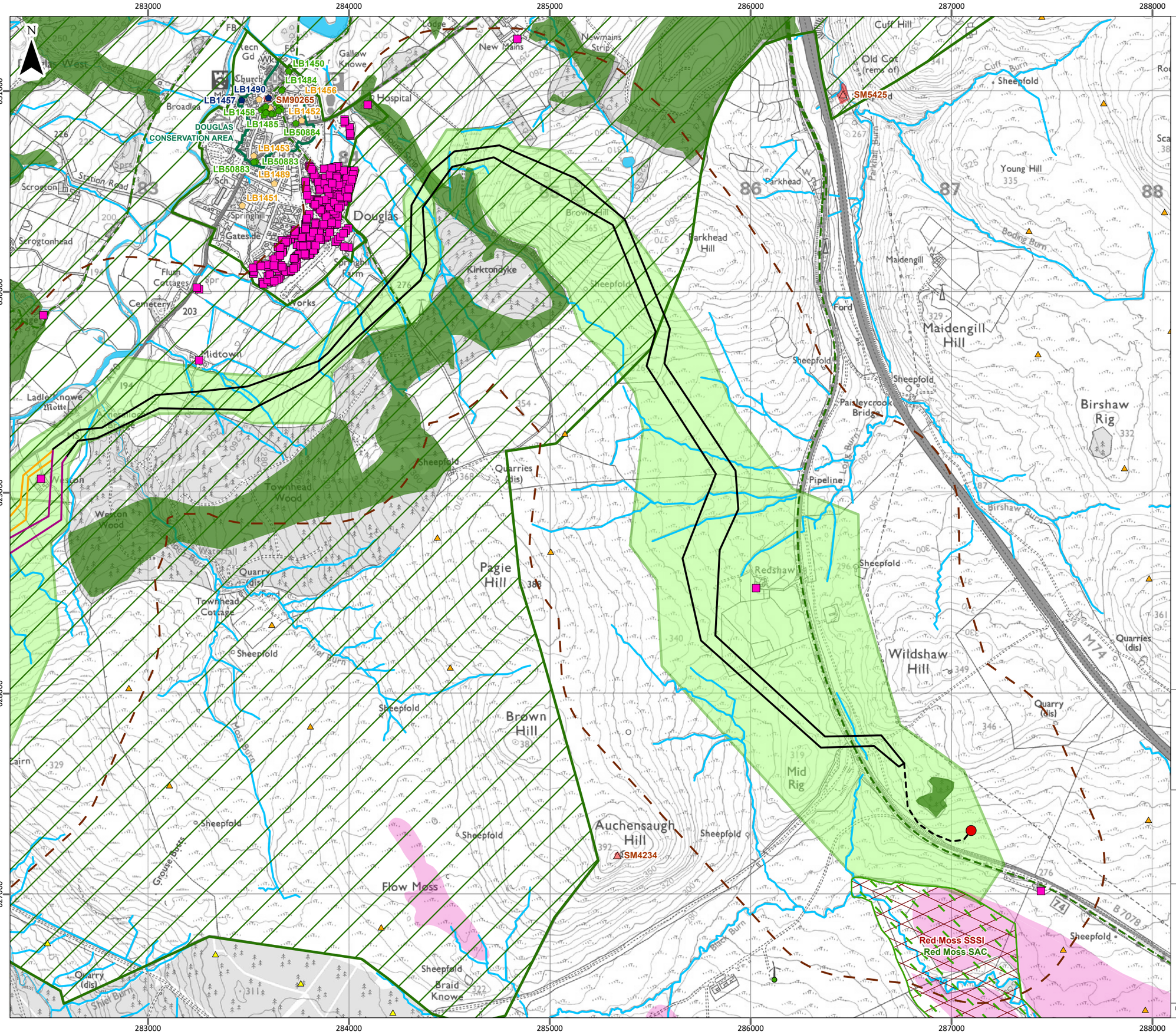
3R Energy

SLR

Hagshaw Energy Cluster - Western Expansion Phase 1

Grid Route Assessment Report - Figure 1.4
Indicative SPEN Grid Corridor Route Constraints

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Legend

SPEN Preferred Grid Route Corridor

SPEN Preferred Grid Route Corridor 500 m Buffer

SPEN Preferred Grid Route Alignment

Overhead Line (OHL)

OHL (Corridor Option 4A)

OHL (Corridor Option 4B)

Underground Cable (UGC) Route

Consented Redshaw Substation

Ecology Constraint

Special Area of Conservation (SAC)

Site of Special Scientific Interest (SSSI)

Ancient Woodland

Heritage Constraint

Listed Building (Category)

A

B

C

Scheduled Monument (Centre Point)

Scheduled Monument

Conservation Area

Watercourse and Flooding

Watercourse (OS OpenMap Local)

Waterbody (OS OpenMap Local)

Peat and Geology Constraint

Carbon and Peatland 2016 Classification

CLASS 1 All Vegetation Cover is Priority Peatland Habitats. All Soils are Carbon-rich Soils and Deep Peat

Transport Constraint

Core Path

Landscape and Visual Constraint

Potential Residential Receptor within 500m of the SPEN Preferred Grid Route Corridor

Douglas Valley Special Landscape Area

Cumulative Wind Farm Turbine Location (Status)

Operational; Under construction

Application

Scoping

0 400 800 Metres

Scale 1:18,000 @ A3

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HAGSHAW ENERGY CLUSTER WESTERN EXPANSION

3R Energy

SLR

Hagshaw Energy Cluster - Western Expansion Phase 1

Grid Route Assessment Report - Figure 1.5
Indicative SPEN Grid Corridor Route Constraints

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