

Coupar Angus 2 132kV substation

New transmission capacity for renewable generation and storage in the Coupar Angus area.

Location
Coupar Angus
area, Perth and
Kinross

Why is the work needed?

- Additional network capacity is needed to support new electricity connections in the Coupar Angus area.
- The new substation is intended to provide capacity for four contracted solar, wind, battery and hybrid projects totalling 171.6 MW.

Project approach

SSEN Transmission, referred to as SSEN-T below, has considered how best to provide the additional network capacity. The proposed approach is a new 132kV substation designed to meet the identified connection need, subject to planning and regulatory approval.

Jobs and economic value

Measure	Local	Scotland	GB/UK
Total GVA	£7m	£39m	£91m
Average jobs supported	14	82	184

Source: SSEN-T socio-economic modelling using local-content assumptions informed by historic data and published statistics. Figures are indicative.

Potential benefits

- Additional capacity for renewable generation and storage connections in the Coupar Angus area.
- A design that can accommodate the identified connection need and support future network requirements.

Project information is current at the date of publication and may change as design, planning and regulatory work progresses.

Earba Pumped storage hydro connection

Transmission works to connect a 1,800 MW pumped storage hydro scheme to the GB electricity network.

Location
Central Highlands, west of
Dalwhinnie

Why is the work needed?

- The project would provide the transmission connection for a pumped storage hydro development.
- The planned connection is 600 MW in Stage 1, increasing to up to 1,800 MW in Stage 2.

Project approach

SSEN-T has considered connection points and route options. The proposed approach is an underground cable connection to the new Coire Mashie substation, subject to planning and regulatory approval.

Jobs and economic value

Measure	Local	Scotland	GB/UK
Total GVA	£21m	£107m	£220m
Average jobs supported	37	180	340

Source: SSEN-T socio-economic modelling using local-content assumptions informed by historic data and published statistics. Figures are indicative.

Potential benefits

- Connects a large long-duration storage resource to the transmission system.
- Pumped storage can store electricity when demand is lower and make it available when needed.

Project information is current at the date of publication and may change as design, planning and regulatory work progresses.

Coire Mashie 400kV substation

A new high-voltage substation to connect pumped storage hydro and provide a platform for future network development.

Location
Between Laggan and
Dalwhinnie

Why is the work needed?

- The new substation would provide the network connection point for the pumped storage hydro development.
- It would connect to the Beaully-Denny 400kV network and include provision for future connections.

Project approach

SSEN-T has considered potential locations and substation designs. The proposed approach is a compact indoor 400kV substation, subject to planning and regulatory approval.

Jobs and economic value

Measure	Local	Scotland	GB/UK
Total GVA	£24m	£125m	£268m
Average jobs supported	41	207	422

Source: SSEN-T socio-economic modelling using local-content assumptions informed by historic data and published statistics. Figures are indicative.

Potential benefits

- Provides the network connection point for the pumped storage hydro development.
- Includes provision for future network connections.

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