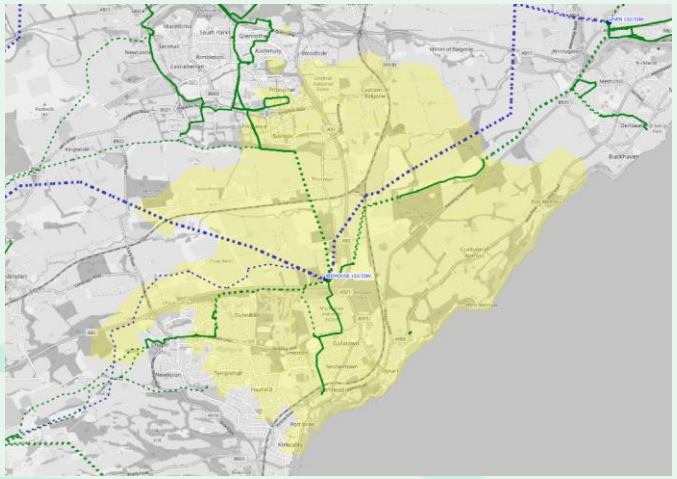
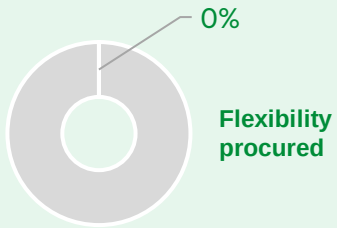
Redhouse GSP reinforcement

Manage with flexibility



Redhouse 132/33kV Grid Supply Point (GSP) is located in the Central and Fife district of SP Distribution, providing supplies to ca. 23,000 customers via four primary substations. The Redhouse network is a mixture of urban and rural environments, comprising a mix of underground cable (UGC) and overhead line (OHL). Redhouse GSP is interconnectable at 33kV with Leven GSP, Glenniston GSP and Glenrothes GSP.

Constraint	**THERMAL** Peak demand at Redhouse Grid Supply Point (GSP) is forecast to exceed the firm capacity within the RIIO-ED2 period.
Decision	**Manage with flexibility** Defer a conventional reinforcement by managing the thermal constraint through the RIIO-ED2 period by using flexibility services.
Justification for decision	Flexibility services that informed the original engineering justification are no longer available. Optioneering is underway and flexibility requirements will be re-evaluated for Spring 2024 competition window.
Flexibility product	**SECURE**
Constraint season(s)	**Winter**
Guide price	TBD
Reinforcement timescale	Deferred until RIIO-ED3 using flexibility



Flexibility position at March 2024	2023/24	2024/25	2025/26	2026/27	2027/28
Risk duration (hrs)	-	15	19	41	90
Flexibility required (MW)	-	2.1	2.1	3.0	3.9
Flexibility procured (MW)	-	-	-	-	-
Flexible MW capacity met (%)	-	0%	0%	0%	0%

Flexibility Tendering

Pending

We are likely to re-open tendering for flexibility services at this location.

More information will become available on the PICLO flex website when the competition opens.

Technical Appraisal

More detailed technical information on the nature of the constraint, network impacts, solutions considered and selected intervention are available in this scheme's **Engineering Justification Paper**

To ensure that our plans and publications cover the needs of our stakeholders, customers, and the communities we serve, we welcome ongoing feedback.

Feedback can be emailed to: systemdesignteam@spenergynetworks.co.uk