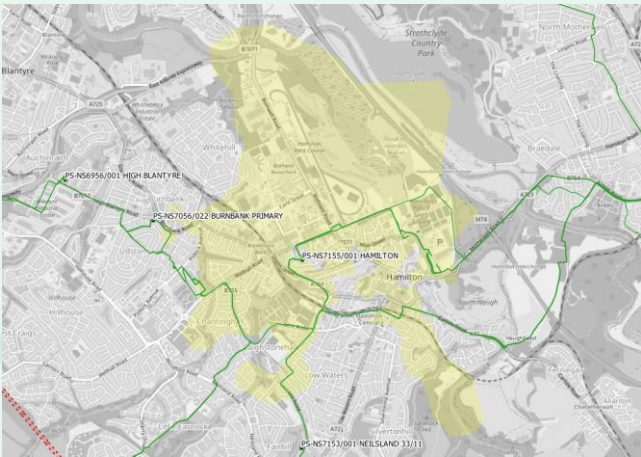


Hamilton Primary Reinforcement

Manage with flexibility



The Hamilton demand group supplies ca. 6,000 customers and is geographically located in the Lanarkshire region of the SP Distribution (SPD) licence area. It is supplied by Strathaven Grid Supply Point (GSP). The existing 11kV network is located in Hamilton town centre, which is in a built urban environment, comprising mainly underground cable (UGC). Hamilton primary is interconnected at 11kV with Burnbank, Leven Street and Neilsland substations.

Constraint

THERMAL
With forecast uptake of Low Carbon Technologies (LCTs), the group demand at Hamilton Primary was forecast to exceed its Firm capacity by the end of the RIIO-ED2 price control period, with risk of thermal overloading on the 33/11kV transformers, 33kV circuits, and non-compliance with EREC P2/8.

Decision

Manage with flexibility
Defer conventional reinforcement by managing the thermal constraints through the RIIO-ED2 period by using flexibility services.

Justification for decision

Demand levels have not increased as forecast in the area; therefore, it is currently proposed to manage with flexibility. Exceedance of Firm demand without flexibility is currently expected in 2030/31.

Flexibility product

SCHEDULED UTILISATION

Constraint season(s)

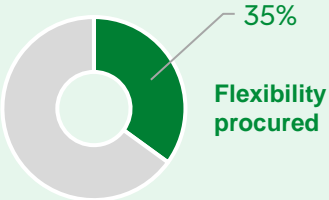
Winter

Guide price

Availability fee up to **£285/MW/hr**
Utilisation fee up to **£350/MWh**

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)	8.5	13	20	26.5	36.5
Flexibility required (MW)	0.7	1.0	1.4	1.9	2.7
Flexibility procured (MW)	0.3	0.3	0.3	0.2	1.6
Flexible MW capacity met (%)	44%	30%	22%	10%	61%

Flexibility Tendering

Open

We are tendering for flexibility services at this location.

More information is available on the [PICLO Flex website](#)

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