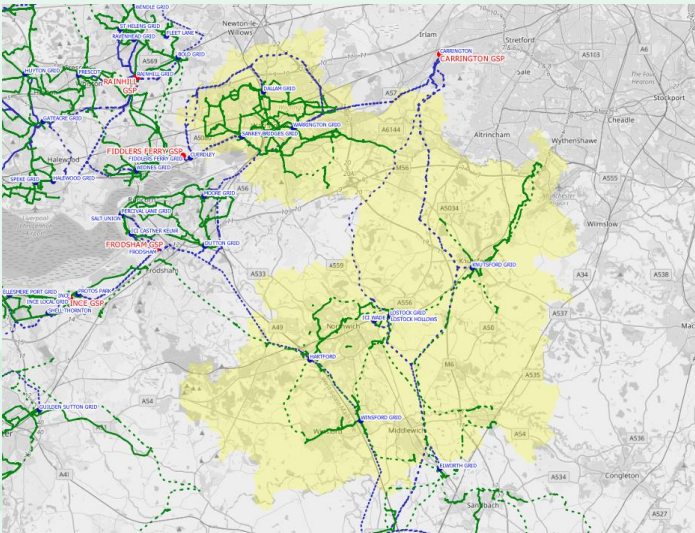


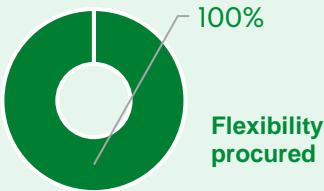
# Carrington/Fiddler’s Ferry 132kV reinforcement

## Manage with flexibility & automation



The Carrington / Fiddlers Ferry 132kV network group is in the Mid Cheshire and Crewe areas of the SP Manweb network. It supplies four 33kV groups, over 153,000 customers including ten major industrial customers and two motorway services.

Constraint	<b>THERMAL</b> The demand growth in this group during the ED2 period is expected to exceed capacity of the 132kV circuits between Sankey Bridges and Hartford, Cuerdley to Warrington, and Cuerdley-Sankey Bridges.
Decision	<b>Reinforce, supported by flexibility</b> Dedicated local monitoring and automation scheme at Cuerdley 132kV substation to manage constraints on the Cuerdley-Sankey Bridges 132kV circuit. Contract flexibility services to manage the 132kV circuit constraints and defer reinforcement of 132kV Sankey Bridges- Hartford circuit.
Justification for decision	There is no longer a requirement for a new grid substation at Hulseheath (due to HS2 cancellation). Sufficient flexibility has been procured manage the extant 132kV circuit constraints when combined with automation, so works are being deferred. This provides the highest Net Present Value (NPV) option.
Flexibility product	<b>DYNAMIC</b>
Constraint season(s)	<b>Summer</b>
Guide price	Availability fee up to <b>£410/MW/hr</b> Utilisation fee up to <b>£500/MWh</b>
Reinforcement timescale	Monitoring and automation: 2025/26 Circuit reinforcement works deferred to R10-ED3.



Flexibility position at March 2024	2023/24	2024/25	2025/26	2026/27	2027/28
Risk duration (hrs)	-	-	-	3	3,195
Flexibility required (MW)	-	-	-	8.0	8.4
Flexibility procured (MW)	-	-	-	8.0	8.4
Flexible MW capacity met (%)	-	-	-	100%	100%

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](mailto:systemdesignteam@spenergynetworks.co.uk)