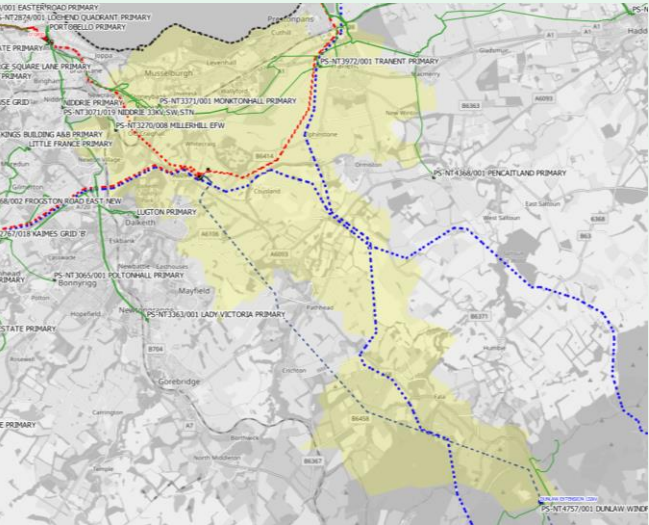


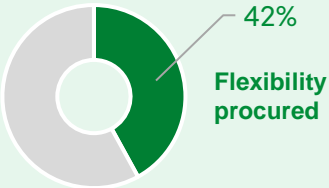
Monktonhall and Tranent primary reinforcement

Reinforce, supported by flexibility



Monktonhall and Tranent 33/11kV primary groups are geographically located in the Edinburgh region of SP Distribution (SPD) licence area. Monktonhall serves ca. 9,700 customers and is supplied by Portobello Grid Supply Point (GSP). Tranent serves ca. 11,300 customers and is supplied by Cockenzie GSP.

Constraint	THERMAL Demand is forecast to exceed thermal rating, leading to risk of thermal overloading on 33/11kV transformers and the 33kV circuits supplying each site.
Decision	New primary substation Establish a new primary substation, “Prestongrange Primary”, geographically located between Tranent and Monktonhall substations. Prestongrange substation will connect to Cockenzie substation which is approx. 4.6km away. Unit protection will be added between Cockenzie Grid and Prestongrange Primary substation.
Justification for decision	Insufficient flexibility to defer reinforcement and remain EREC P2/8 compliant so works are being progressed. Flexibility will support management of the constraint in the interim.
Flexibility product	SECURE
Constraint season(s)	Winter
Guide price	Availability fee up to £410/MW/hr Utilisation fee up to £500/MWh
Reinforcement timescale	2027/28



Flexibility position at March 2024	2023/24		2024/25		2025/26		2026/27		2027/28	
Site	Monk.	Tran.	Monk.	Tran.	Monk.	Tran.	Monk.	Tran.	Monk.	Tran.
Risk duration (hrs)	14.0	3.5	32.0	4.5	52.5	6.5	60.0	9.0	113.0	29.0
Flexibility required (MW)	1.1	0.7	1.6	1.0	2.2	1.4	2.4	1.7	3.2	2.4
Flexibility procured (MW)	0.74	0.75	1.66	0.1	3.31	0.1	0.20	2.9	0.10	-
Flexible MW capacity met (%)	70%	>100%	>100%	10%	>100%	7%	8%	>100%	3%	0%

Flexibility Tendering

Open

We are tendering for flexibility services at this location.

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

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