



SSEN Distribution

DNOA OUTCOMES REPORT

January 2025



Scottish & Southern
Electricity Networks

DSO Powering Change



Contents



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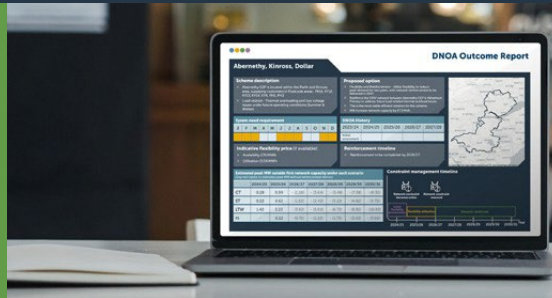
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GLOSSARY

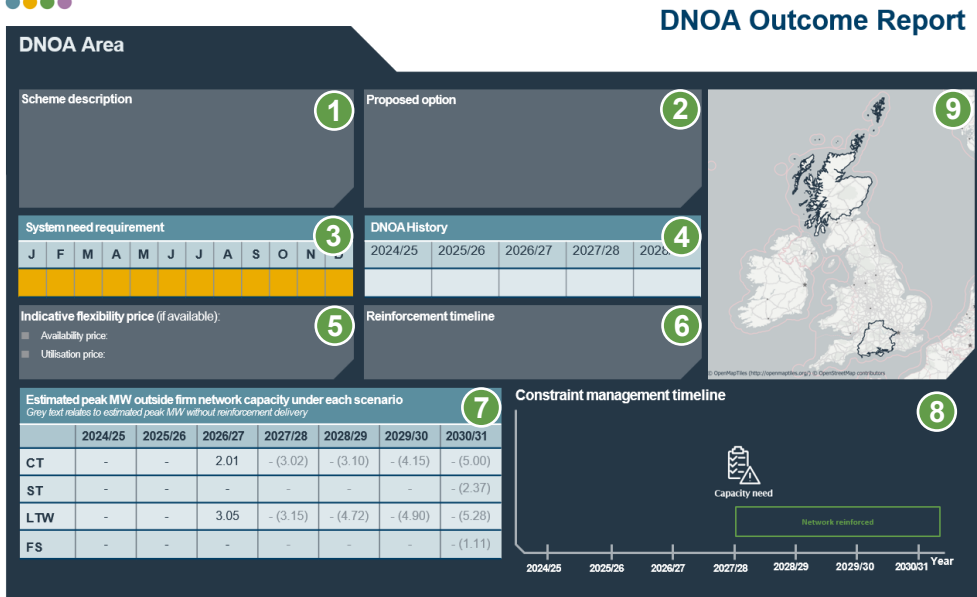
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How to view this report

The following guidance note can be used to help navigate each outcomes report



1 Scheme description:

- This section describes the location where a system need has been identified. This is accompanied with indicative postcodes for the customer areas related to this scheme.
- Included is the type of constraint on the network.

2 Proposed option:

- An outline of the proposed solution option aligned with the defined outcomes in the DNOA methodology. A description of any flexibility procurement and/or reinforcement works required is provided and justified.
- An estimated value for the capacity released by the delivery of any works required can be found here. It does not necessarily relate to available capacity.

3 System need requirement:

- This table highlights in yellow the months of the year where there is a potential system need due to the constraint arising.

4 DNOA history:

- A record of the outcome report status.

5 Indicative flexibility price:

- The indicative flexibility price used in the techno-economic assessment is given in this section where relevant and available.
- This is given as an availability (£/MW/h) and utilisation (£/MW/h) price.

6 Reinforcement timeline:

- Where reinforcement is proposed, an indicative delivery year for the completion of works is given.

7 Estimated peak MW outside firm capacity:

- The forecasted exceedance of load over the firm capacity of the transformer.

8 Constraint management timeline:

- The timeline illustrates the stages needed to remove the constraint from the network.
- **For schemes proposing to procure flexibility:** The first stage (purple) is an indicative 2-year initial flexibility procurement window where any required services will be acquired. The second stage (yellow) indicates the years where the option uses flexibility services to release more capacity. The last stage (green) indicates the year when capacity will be increased on the network to relieve the constraint.
- **For schemes proposing an asset solution:** The timeline indicates when capacity will be increased on the network to relieve the constraint.

9 Scheme map:

- The map provided shows the approximate geographical area covered by the scheme.



Index of DNOA outcomes - SHEPD

1 Procure Flexibility Solutions - see below the DNOA Outcome Reports proposing flexibility opportunities

DNOA outcome	Flexibility utilisation period	Indicative postcode areas
Ref. 0125-01 - Banchory (Banchory PSS / Circuits) – Pg.7	2026/27-2028/29 (3 years)	AB30, AB31, AB39
Ref. 0125-04 - Stornoway (Barvas PSS) – Pg.10	2024/25 - 2027/28 (4 years)	HS2

2 Asset Solutions - see below the DNOA Outcome Reports proposing asset solutions only

DNOA outcome	Capacity increase from	Indicative postcode areas
Ref. 0125-02 - Kirkwall (Kirkwall PSS & Hatston PSS - New Site) – Pg.8	2027/28	KW15, KW16, KW17
Ref. 0125-03 - St Marys, Burray, & South Ronaldsay (St Marys PSS) – Pg.9	2028/29	KW17
Ref. 0125-05 - Stornoway (Coll PSS) – Pg.11	2027/28	HS2



Index of DNOA outcomes - SEPD

1 Procure Flexibility Solutions - see below the DNOA Outcome Reports proposing flexibility opportunities

DNOA outcome	Flexibility utilisation period	Indicative postcode areas
Ref. 0125-09 - Southampton City Centre (Chapel PSS) – Pg.16	2028/29 - 2032/33	SO14, SO15
Ref. 0125-10 - Wallingford (Wallingford PSS) – Pg.17	2028/29 - 2030/31	OX10, OX11, OX18
Ref. 0125-11 - Watlington (Watlington PSS) – Pg.18	2026/27 - 2029/30	HP14, OX10, OX39, OX44, OX49, OX9, RG4, RG9

2 Asset Solutions - see below the DNOA Outcome Reports proposing asset solutions only

DNOA outcome	Capacity increase from	Indicative postcode areas
Ref. 0125-06 - East Dorset and South Wiltshire (Mannington GSP) – Pg.13	2030/31	BA8-9, BA12, BH1-BH25, BH31, DT2, DT10-11, SO41-42, SP1-8
Ref. 0125-07 - Faringdon (Faringdon PSS) – Pg.14	2027/28	OX11, OX12, OX14, OX18, OX3, OX7, PO2, RG2, RG20, SN6, SN7, SN15, SO17, TW14
Ref. 0125-08 - Portsmouth, Chichester & Surrounding Area (Lovedean GSP) – Pg.15	2029/30	PO1-PO22, RH14, BN17, BN18, SO31, SO32



DNOA Outcome Report

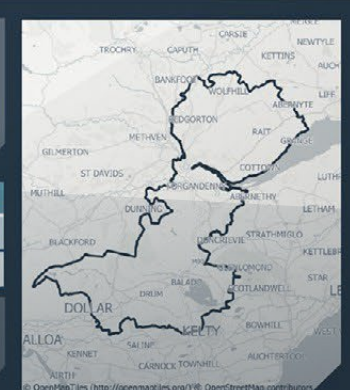
Abernethy, Kinross, Dollar

Scheme description

- Abernethy GSP is located within the Perth and Kinross area, supplying customers in Postcode areas: FK14, KY12, KY13, KY14, KY4, PH1, PH2
- Load related – Thermal overloading and low voltage issues under future operating conditions (Summer & Winter).

Proposed option

- Flexibility and Reinforcement - Utilise flexibility to reduce peak demand for two years, with network reinforcement to be delivered in 2027.
- Reinforce the 33KV network between Abernethy GSP & Milnathort Primary to address future load-related thermal overload issues.
- This is the most viable efficient solution for this scheme.
- Will increase network capacity by 57.3 MVA.



System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2023/24	2024/25	2025/26	2026/27	2027/28
Initial assessment				

Indicative flexibility price (if available):

- Availability £70/MWh
- Utilisation £154/MWh

Reinforcement timeline

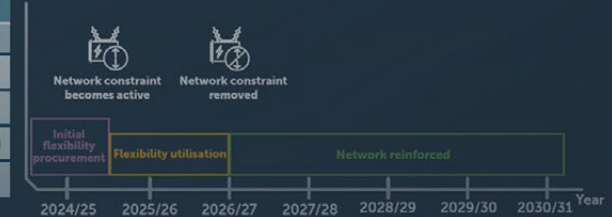
- Reinforcement to be completed by 2026/27.

Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	0.28	0.99	(2.28)	(3.64)	(5.46)	(7.38)	(9.32)
ST	0.22	0.62	(1.62)	(2.42)	(3.22)	(4.62)	(5.72)
LTW	1.42	2.22	(3.62)	(5.02)	(6.72)	(8.82)	(10.82)
FS	-	0.22	(0.72)	(1.22)	(1.72)	(2.42)	(3.02)

Constraint management timeline



DNOA OUTCOMES - SHEPD



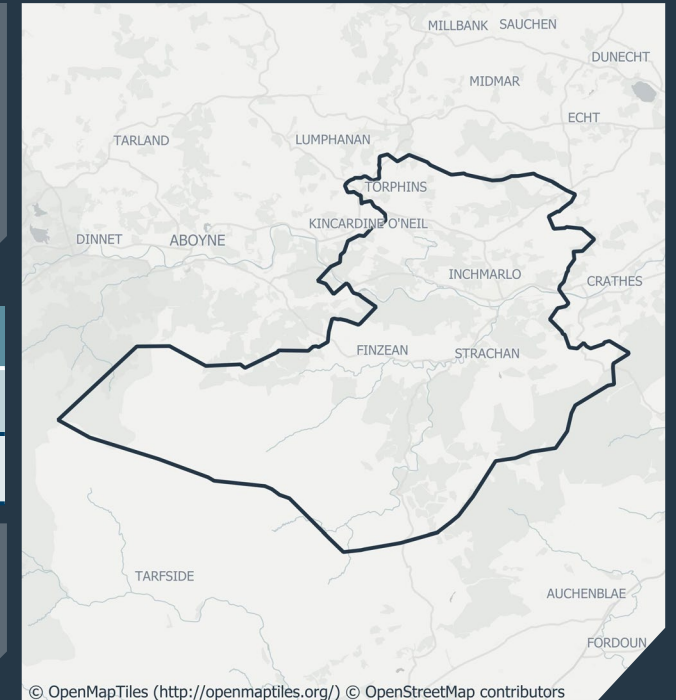
Banchory (Banchory PSS / Circuits)

Scheme description

- The reinforcement of the Banchory PSS will increase capacity in the Banchory area. Postcode(s): AB30, AB31, AB39
- Local authority: Aberdeenshire Council
- Load related – substation and circuits thermal overload/voltage issues during network intact conditions due to forecasted demand growth.

Proposed option

- Flexibility/Asset Solution: Utilise flexibility for 3 years ahead of Banchory PSS transformer and circuit reinforcement.
- This option addresses the forecasted thermal overload and voltage issues at Banchory PSS out to 2050.
- Capacity released: 5.21MVA



System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability price: £108/MW/h
- Utilisation price: £133/MWh

Reinforcement timeline

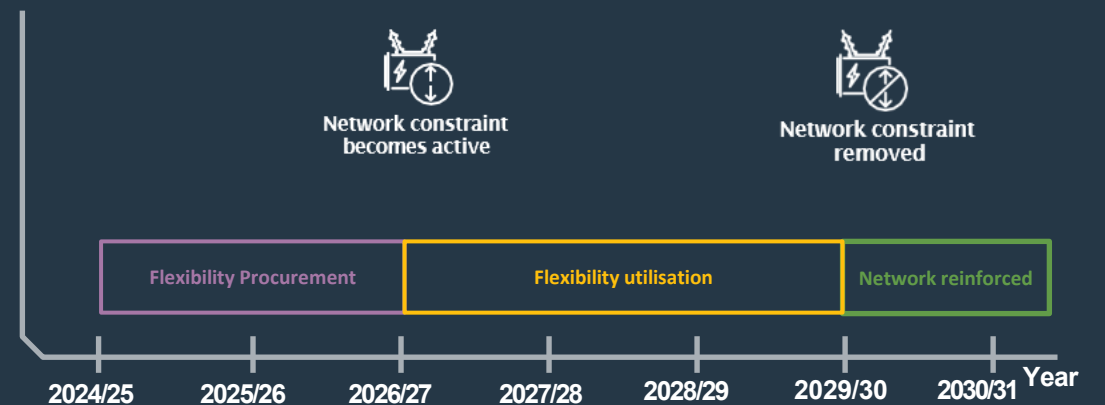
- Flexibility solution utilised from start of 2026/27 until end of 2028/29.
- Reinforcement delivery by end of 2028/29.

Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	-	-	0.05	0.83	1.65	- (2.41)	- (3.23)
ST	-	-	-	-	0.04	- (0.30)	- (0.63)
LTW	-	0.19	0.68	1.38	2.13	- (2.87)	- (3.79)
FS	-	-	-	-	-	- (0.05)	- (0.30)

Constraint management timeline





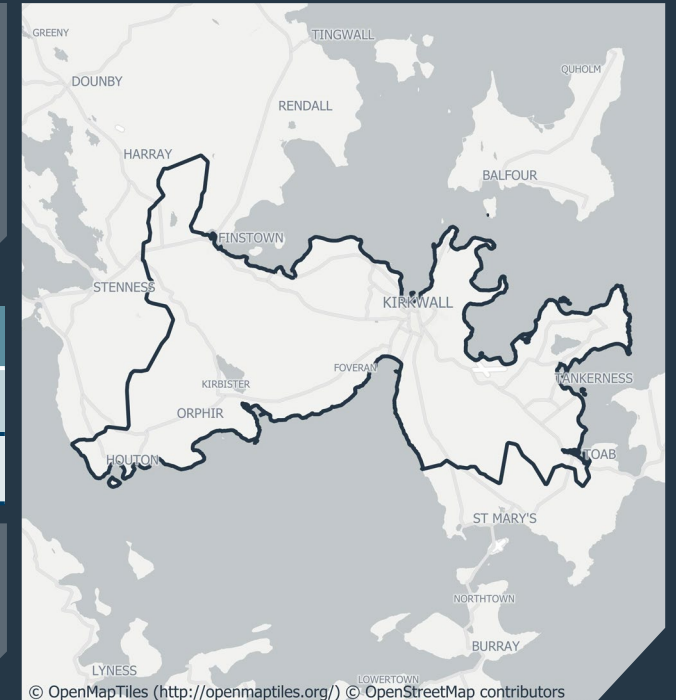
Kirkwall (Kirkwall PSS & Hatston PSS – New Site)

Scheme description

- The construction of Hatston PSS will increase capacity at Kirkwall PSS and in the Kirkwall area. Postcode(s): KW15 – KW17.
- Local authority: Orkney Islands
- Load related – substation and circuits thermal overload during intact conditions due to forecasted demand growth.

Proposed option

- Asset Solution: Build Hatston PSS including two 15/30MVA 33/11kV transformers, two 33kV circuits, and 11kV works to facilitate load transfer from Kirkwall PSS.
- Flexibility was unable to be utilised due to insufficient flexible assets.
- This option addresses the forecasted overloading at Kirkwall PSS out to 2035.
- Capacity released: 15MVA.



System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability price: N/A
- Utilisation price: N/A

Reinforcement timeline

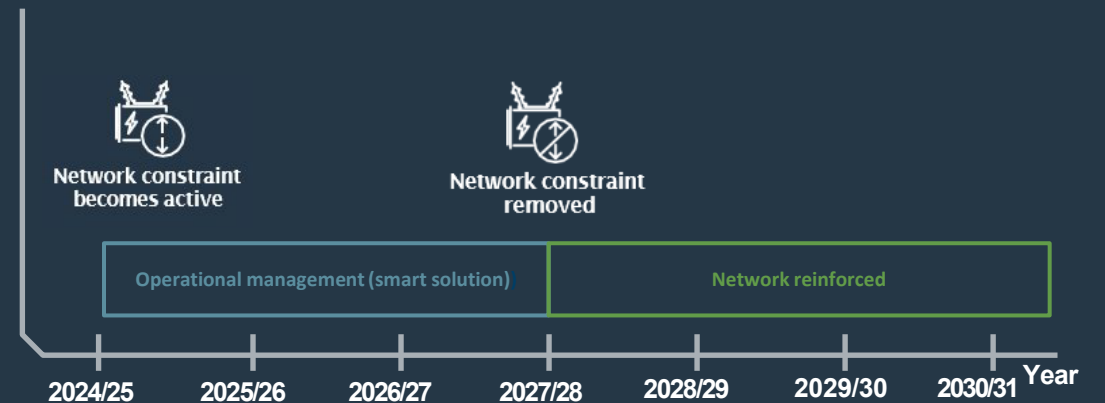
- Reinforcement delivery by the end of 2026/27.

Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	-	1.71	2.98	- (4.52)	- (6.03)	- (8.13)	- (9.08)
ST	6.46	21.22	22.10	- (23.18)	- (24.15)	- (25.88)	- (26.31)
LTW	16.27	41.37	42.30	- (43.75)	- (45.25)	- (47.39)	- (48.37)
FS	-	-	-	-	-	-	- (0.01)

Constraint management timeline





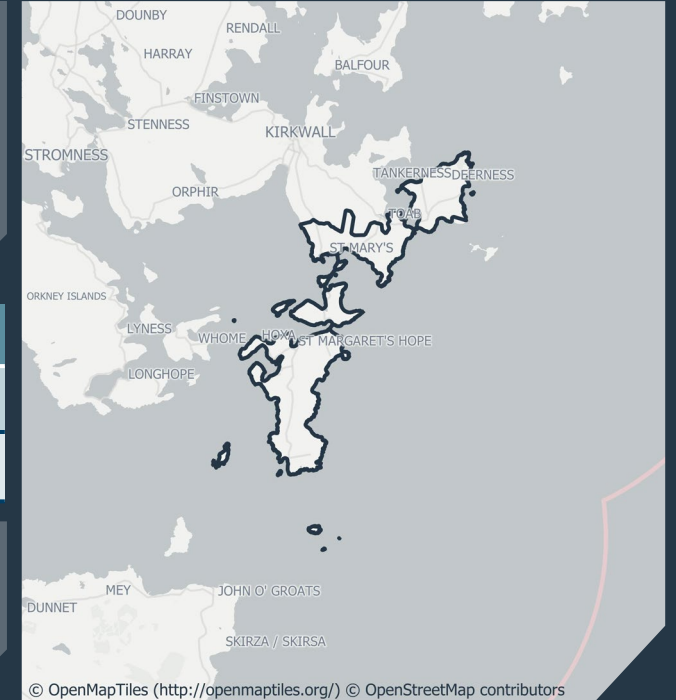
St Marys, Burray, & South Ronaldsay (St Marys PSS)

Scheme description

- The reinforcement of the St Marys PSS will increase capacity in the Orkney area. Postcode(s): KW17
- Local authority: Orkney Islands Council
- Load related - Changes to security of supply requirements during FCO conditions due to forecasted demand growth.

Proposed option

- Asset Solution: Establish a new PSS at Grimness on South Ronaldsay and install two 4MVA primary transformers. Associated 33kv circuits to be reconfigured and extended as result of Finstown GSP integration works.
- Flexibility was unable to be utilised due to not being suitable for the system need type.
- This option addresses demand growth at St Marys PSS out to 2050.
- Capacity released: 5.2MVA.



System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability price: N/A
- Utilisation price: N/A

Reinforcement timeline

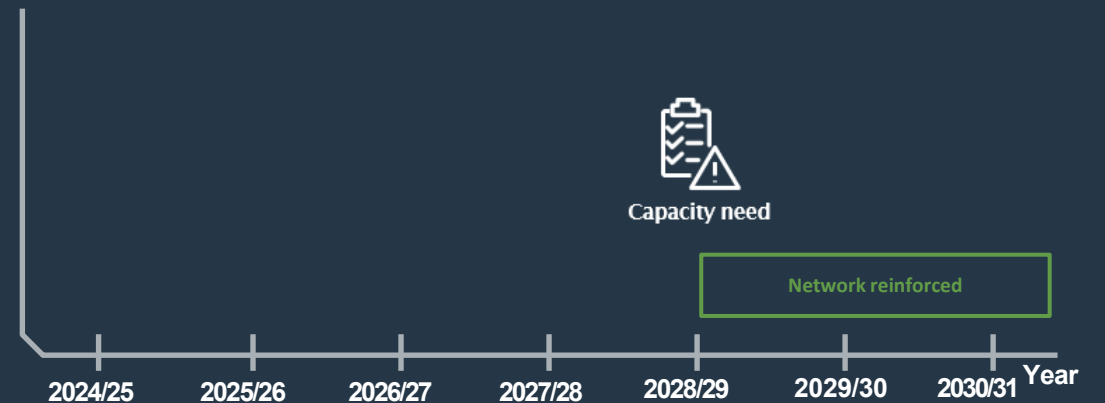
- Reinforcement delivery by end of 2027/28.

Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	-	-	-	-	-	-	-
ST	-	-	-	-	-	-	-
LTW	-	-	-	-	-	-	-
FS	-	-	-	-	-	-	-

Constraint management timeline





DNOA Outcome Report

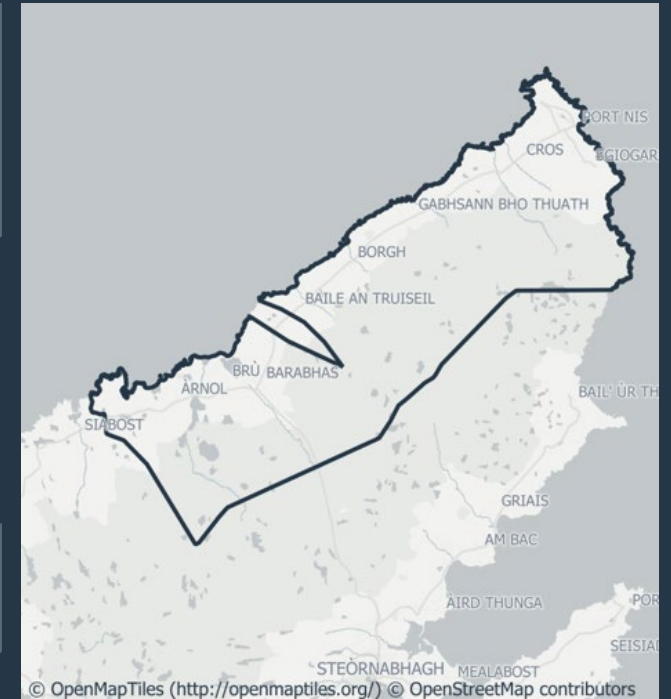
Stornoway (Barvas PSS)

Scheme description

- The reinforcement of the Barvas PSS will increase capacity in the Stornoway area. Postcode(s): HS2.
- Local authority: Comhairle nan Eilean Siar (CnES).
- Load related – substation thermal overload during network intact conditions due to forecasted demand growth.

Proposed option

- Flexibility/Asset Solution: Utilise flexibility for 4 years to manage thermal overload until reinforcement delivery is complete. Followed by reinforcement of Barvas PSS transformers.
- This option addresses the forecasted thermal overload at Barvas PSS out to 2050.
- Capacity released: 3.8MVA.



System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability price £108/MW/h
- Utilisation price £133/MW/h

Reinforcement timeline

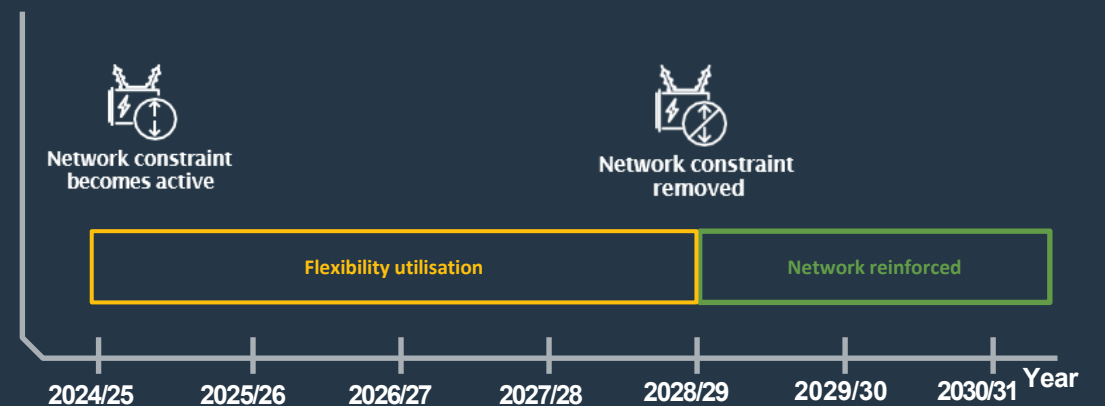
- Flexibility solution utilised from 2024/25.
- Reinforcement delivery by end of 2027/28.

Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	0.19	0.29	0.39	0.59	- (0.79)	- (0.99)	- (1.19)
ST	0.19	0.39	0.59	0.69	- (0.89)	- (1.09)	- (1.19)
LTW	0.09	0.19	0.29	0.39	- (0.39)	- (0.49)	- (0.59)
FS	0.09	0.19	0.19	0.29	- (0.29)	- (0.39)	- (0.49)

Constraint management timeline





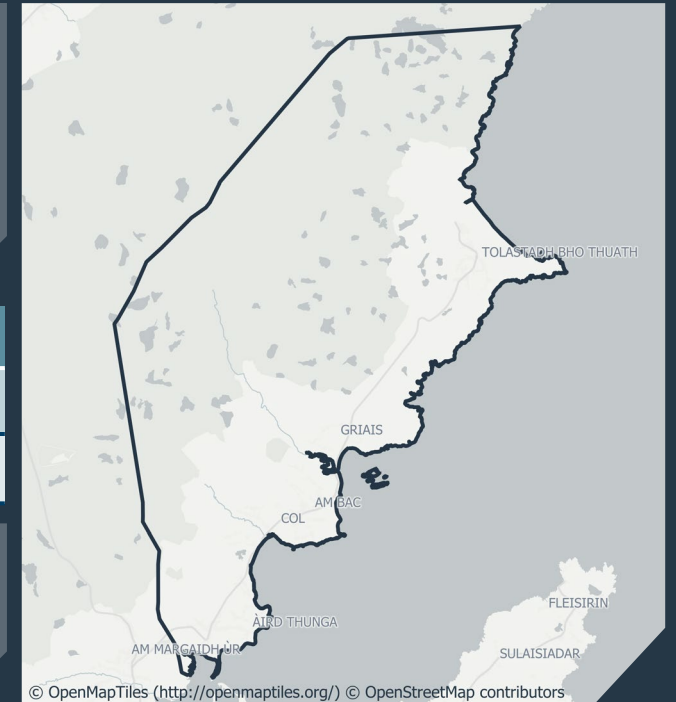
Stornoway (Coll PSS)

Scheme description

- The reinforcement of the Coll PSS will increase capacity in the Stornoway area. Postcode(s): HS2
- Local authority: Comhairle nan Eilean Siar (CnES)
- Load related – substation thermal overload/voltage issues during network intact conditions due to forecasted demand growth.

Proposed option

- Smart Solution/Asset Solution: Reinforcement of the existing Coll PSS transformer and installation of a new transformer and associated circuitry.
- Flexibility was unable to be utilised due to not being suitable for voltage constraint type and insufficient flexible assets.
- This option addresses the forecasted thermal/voltage issues at Coll PSS out to 2050.
- Capacity released: 2.77MVA.



System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability price N/A
- Utilisation price N/A

Reinforcement timeline

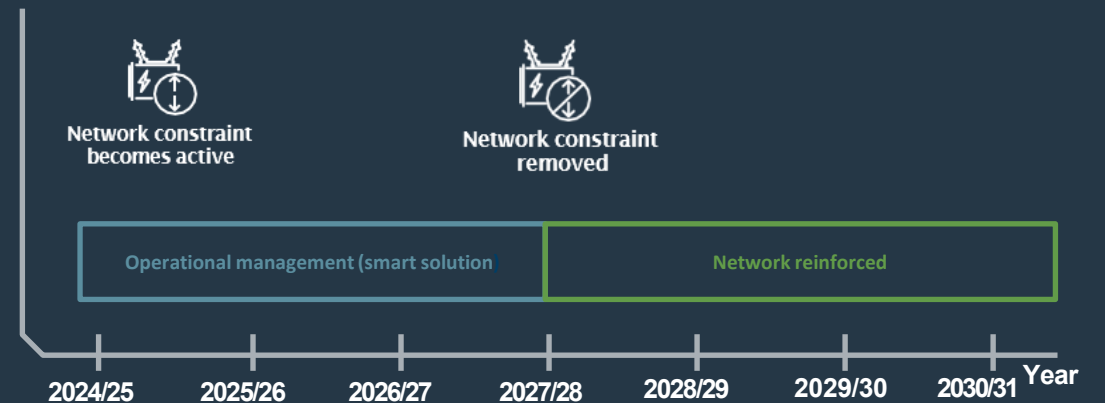
- Reinforcement delivery by end of 2026/27

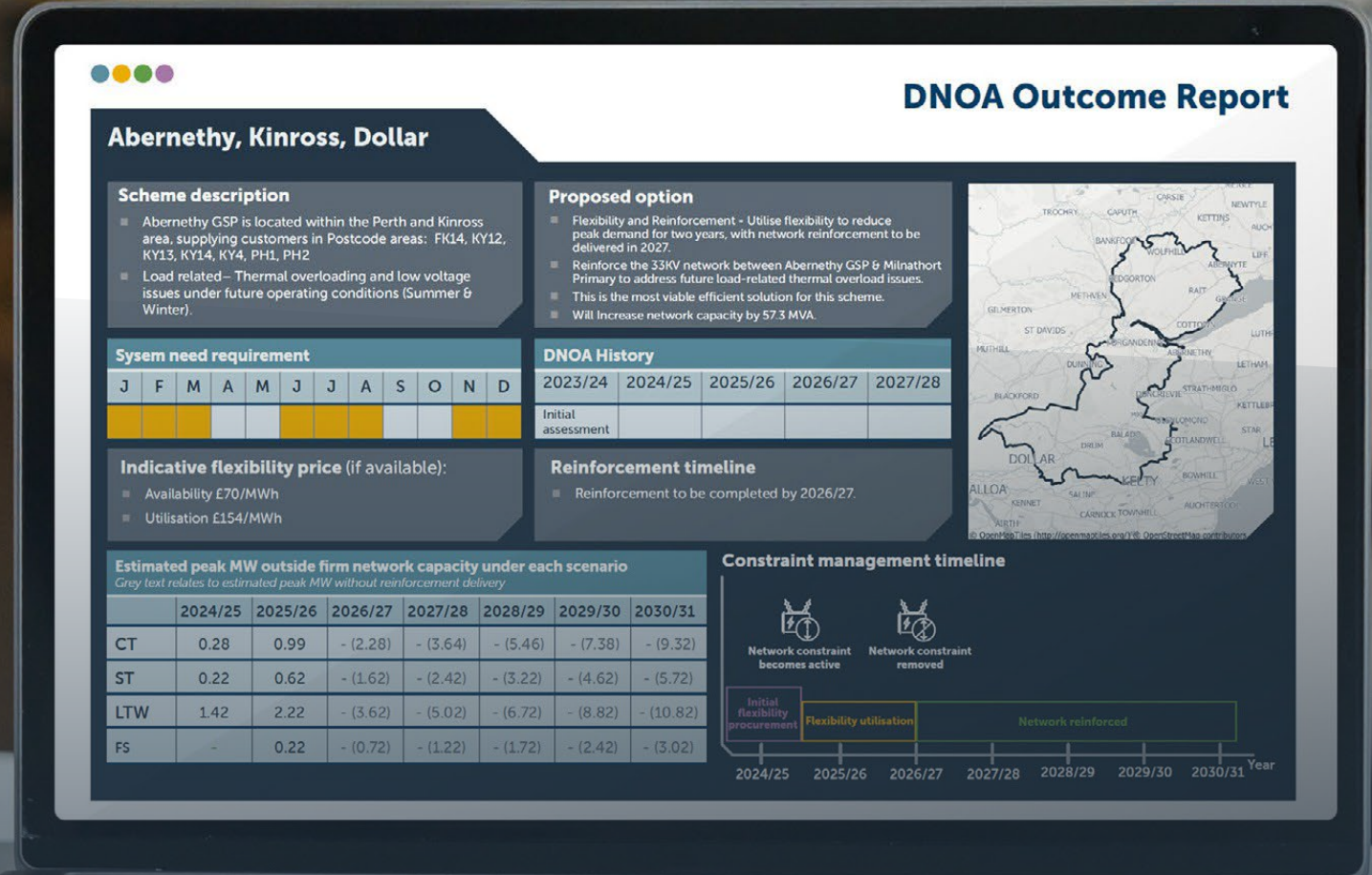
Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	0.50	0.56	0.63	- (0.82)	- (1.01)	- (1.17)	- (1.34)
ST	0.50	0.56	0.37	- (0.36)	- (0.15)	- (0.17)	- (0.35)
LTW	0.50	0.83	0.88	- (1.05)	- (1.01)	- (0.97)	- (1.34)
FS	0.23	0.56	0.37	- (0.13)	- (0.15)	- (0.03)	- (0.15)

Constraint management timeline





DNOA OUTCOMES - SEPD



DNOA Outcome Report

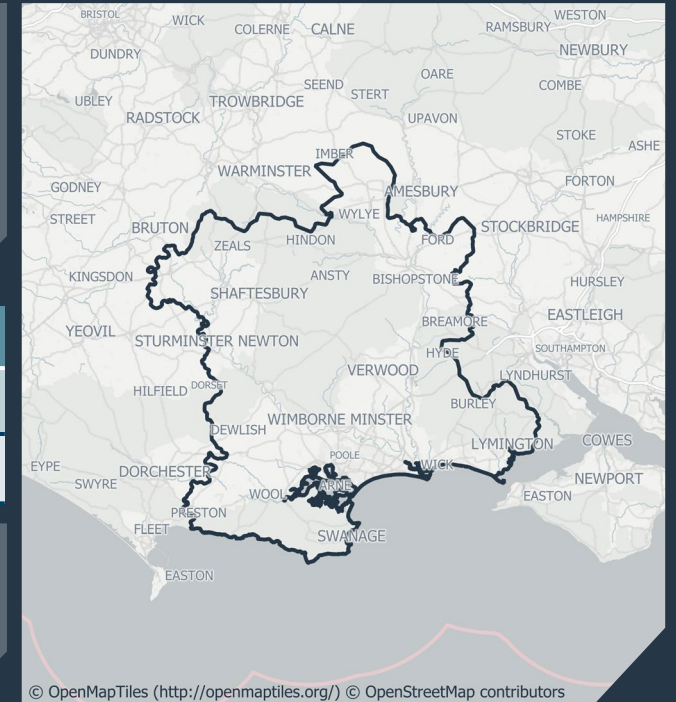
East Dorset and South Wiltshire (Mannington GSP)

Scheme description

- The reinforcement of Mannington GSP will increase fault level capacity in the area north of Bourne-mouth. Postcode(s): BA8-9, BA12, BH1-BH25, BH31, DT2, DT10-11, SO41-42, SP1-8.
- Local authority: Dorset, Wiltshire, New Forest.
- Fault Level – fault level exceeds asset ratings due to forecasted demand and generation growth.

Proposed option

- Asset Solution: New 132kV indoor GIS switchboard is proposed with new circuit breakers with higher fault level ratings.
- Flexibility was unable to be utilised as it not suitable for constraint type.
- This option ensures fault level compliance at Mannington GSP in the near-term and enables future connections.
- Capacity released: N/A



System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability price N/A
- Utilisation price N/A

Reinforcement timeline

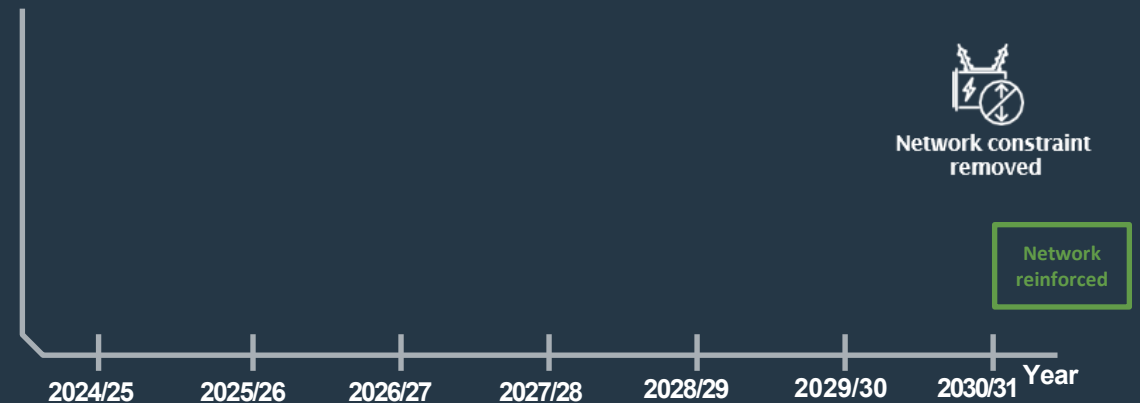
- Reinforcement delivery by end of 2029/30

Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	-	-	-	-	-	-	-
ST	-	-	-	-	-	-	-
LTW	-	-	-	-	-	-	-
FS	-	-	-	-	-	-	-

Constraint management timeline





DNOA Outcome Report

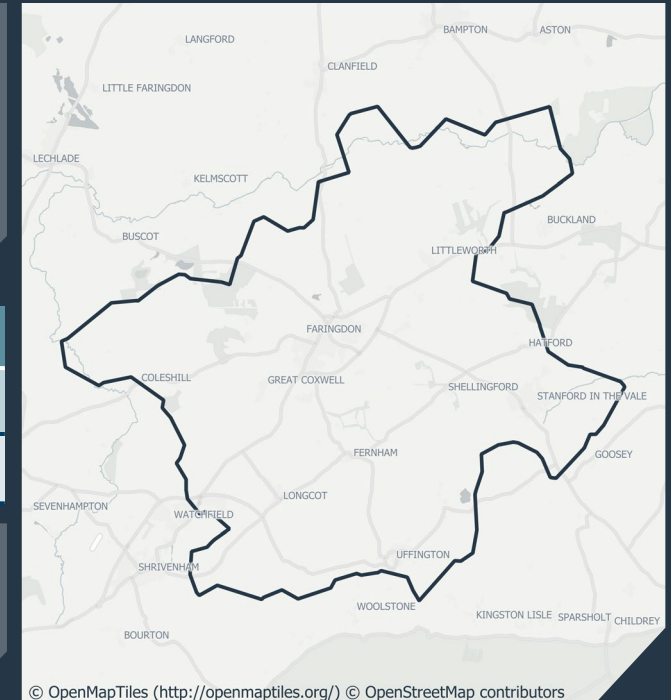
Faringdon (Faringdon PSS)

Scheme description

- The reinforcement of the Faringdon PSS will increase capacity in the Faringdon area. Postcode(s): OX11, OX12, OX14, OX18, OX3, OX7, PO2, RG2, RG20, SN6, SN7, SN15, SO17, TW14.
- Local Authority: Vale of White Horse.
- Load related – substation and circuit overload during FCO conditions due to forecasted demand growth.

Proposed option

- Asset Solution: Reinforcement of 2 x 33/11kV transformers.
- Flexibility was unable to be utilised due to there being insufficient flexible assets.
- This option addresses the forecasted demand at Faringdon PSS out to 2035.
- Capacity released: 14MVA.



System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability price: N/A
- Utilisation price: N/A

Reinforcement timeline

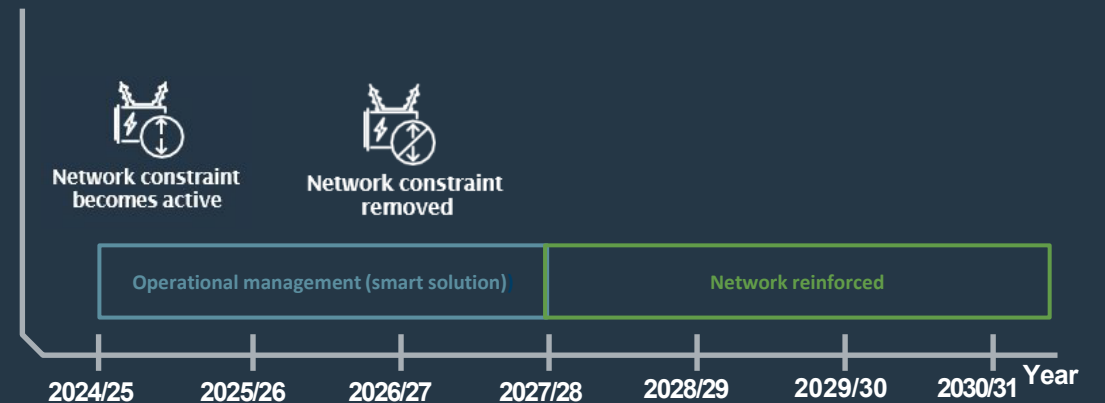
- Reinforcement delivery by the end of 2026/27.

Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	5.1	5.4	5.8	- (6.3)	- (6.8)	- (7.3)	- (7.9)
ST	4.7	4.9	5.2	- (5.5)	- (5.7)	- (6.1)	- (6.3)
LTW	5.5	5.9	6.4	- (7.0)	- (7.4)	- (8.1)	- (8.7)
FS	4.7	4.8	5.0	- (5.3)	- (5.4)	- (5.7)	- (5.9)

Constraint management timeline





DNOA Outcome Report

Portsmouth, Chichester & Surrounding Area (Lovedean GSP)

Scheme description

- The reinforcement of the Lovedean GSP will increase capacity in the Southwest Sussex, Southeast Hampshire, and Portsmouth areas. Postcode(s): PO1-PO22, RH14, BN17, BN18, SO31, SO32.
- Local authority: Fareham, Gosport, Havant, Portsmouth, Winchester
- Load related – substation and circuits fault level issues due to forecasted demand growth.

Proposed option

- Asset Solution: Install a new 132V GIS double board at Lovedean GSP and divert the existing cable route to the indoor circuit breakers.
- Flexibility was unable to be utilised as it is not suitable for constraint type.
- This option addresses the forecasted fault level issues at Lovedean GSP out to 2050.
- Capacity released: N/A.

System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

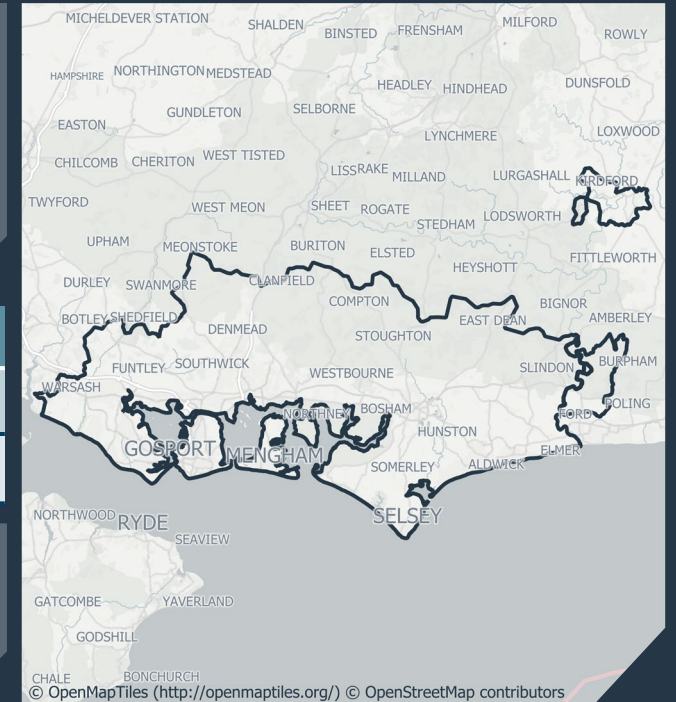
2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability price: N/A
- Utilisation price: N/A

Reinforcement timeline

- Reinforcement delivery by end of 2028/29.

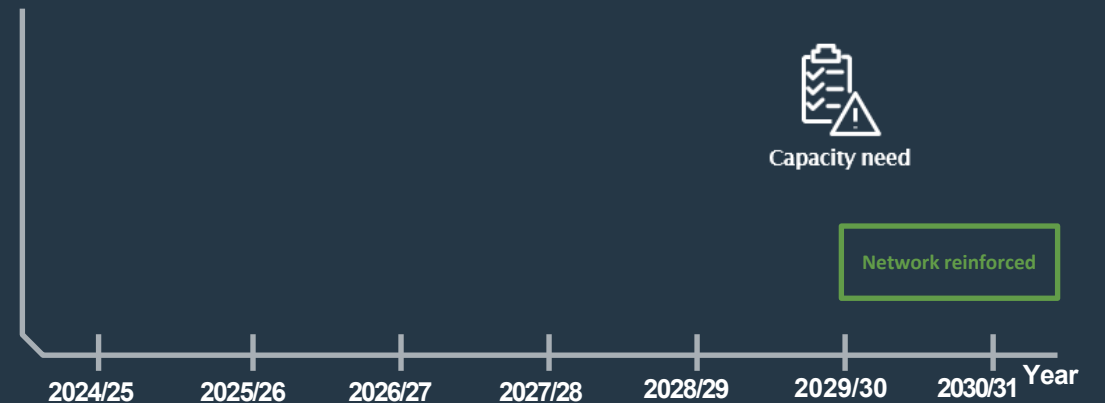


Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	-	-	-	-	-	-	-
ST	-	-	-	-	-	-	-
LTW	-	-	-	-	-	-	-
FS	-	-	-	-	-	-	-

Constraint management timeline





DNOA Outcome Report

Southampton City Centre (Chapel PSS)

Scheme description

- Reinforce the existing switchboard at Chapel PSS and reinforce a portion of the existing 33kV supply circuit to increase capacity in the city centre area. Postcode(s): SO14, SO15.
- Local authority: Southampton.
- Load related – circuit thermal overload during FCO conditions due to forecasted demand growth.

Proposed option

- Flexibility/Asset solutions: Use of flexibility ahead of two stage reinforcement. Initially, reinforce the existing transformer breakers and bus section breakers with higher rated units. Later reinforce section of the 33kV circuit.
- This option addresses the forecasted security of supply issues on this part of the EHV network out to 2044.
- Capacity released: 17.3MVA



System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability price: £108/MW/h
- Utilisation price: £133/MWh

Reinforcement timeline

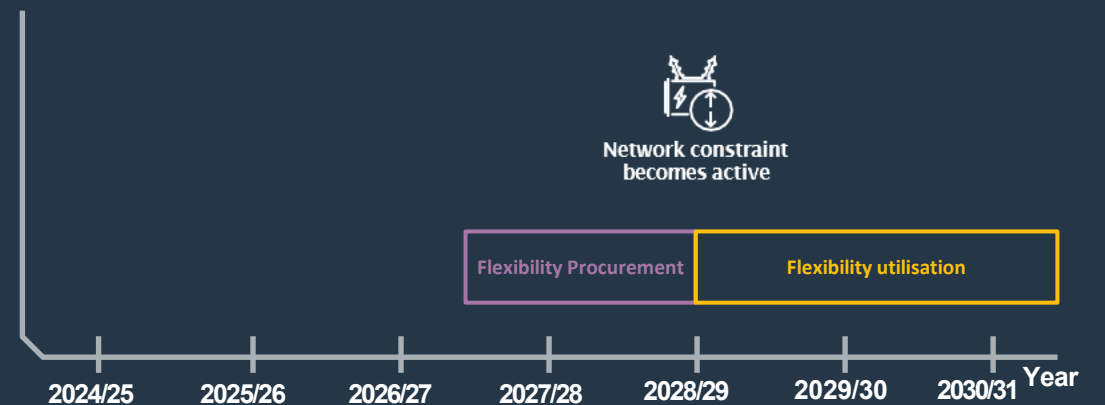
- Flexibility solution utilised from start of 2028/29 until end of 2032/33 for the switchboard and later in 2033/34 for the 33kV circuit.
- Reinforcement delivery by end of 2031/32 for the switchboard and 2033/34 for the 33kV circuit reinforcement.

Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	-	-	-	-	0.07	0.31	0.62
ST	-	-	-	-	-	-	-
LTW	-	-	-	0.04	0.26	0.58	0.95
FS	-	-	-	-	-	-	-

Constraint management timeline





Wallingford (Wallingford PSS)

Scheme description

- The reinforcement of the Wallingford PSS will increase capacity in the Wallingford area. Postcode(s): OX10, OX11, OX18.
- Local Authority: South Oxfordshire.
- Load related – substation overload during FCO conditions due to forecasted demand growth.

Proposed option

- Flexibility/Asset Solution: Use of flexibility ahead of reinforcement of the existing 33/11kV transformers.
- This option addresses the forecasted demand at Wallingford PSS out to 2039.
- Capacity released: 15MVA.



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System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability: £123/MW/h
- Utilisation: £169/MWh

Reinforcement timeline

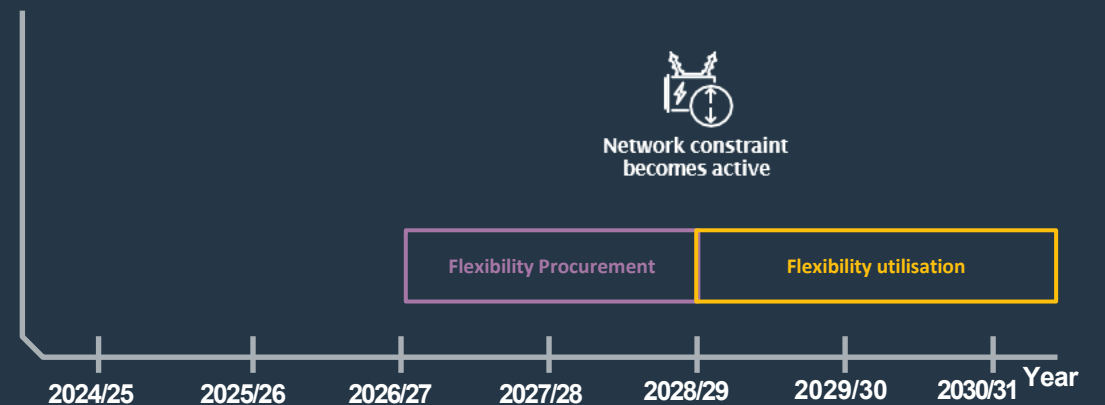
- Flexibility solution utilised from 2028/29 to 2030/31.
- Reinforcement delivery by end of 2030/31.

Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	-	-	-	-	0.47	1.2	1.67
ST	-	-	-	-	-	-	-
LTW	-	-	-	0.17	0.89	1.48	2.38
FS	-	-	-	-	-	-	-

Constraint management timeline





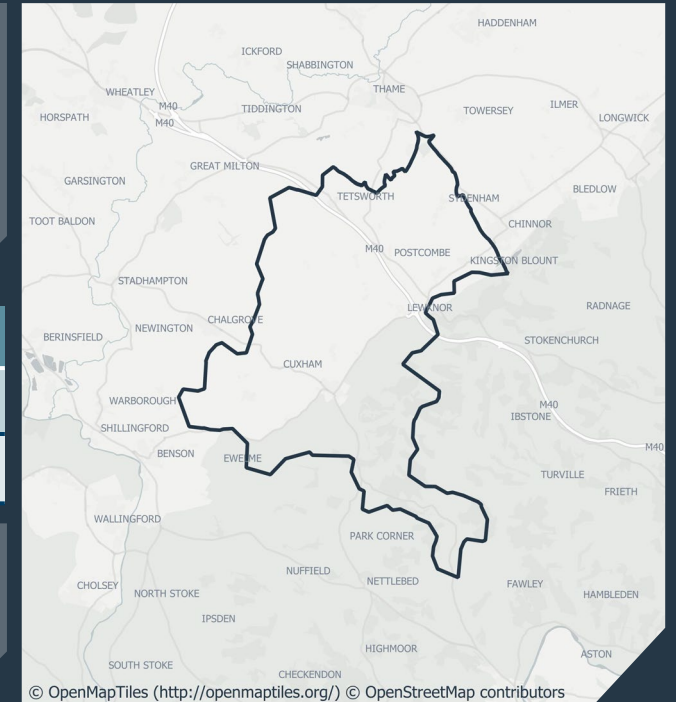
Watlington (Watlington PSS)

Scheme description

- The reinforcement of the Watlington PSS will increase capacity in the South Oxfordshire area. Postcode(s): HP14, OX10, OX39, OX44, OX49, OX9, RG4, RG9.
- Local Authority: South Oxfordshire.
- Load related – substation overload during FCO conditions due to forecasted demand growth.

Proposed option

- Flexibility/Asset Solution: Flexibility ahead of reinforcement of current 2 x 33/11kV transformers.
- This option addresses the forecasted demand at Watlington PSS out to 2050.
- Capacity released: 7.5MVA.



System need requirement

J	F	M	A	M	J	J	A	S	O	N	D

DNOA History

2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

Indicative flexibility price (if available):

- Availability price: £108/MW/h
- Utilisation price: £133/MWh

Reinforcement timeline

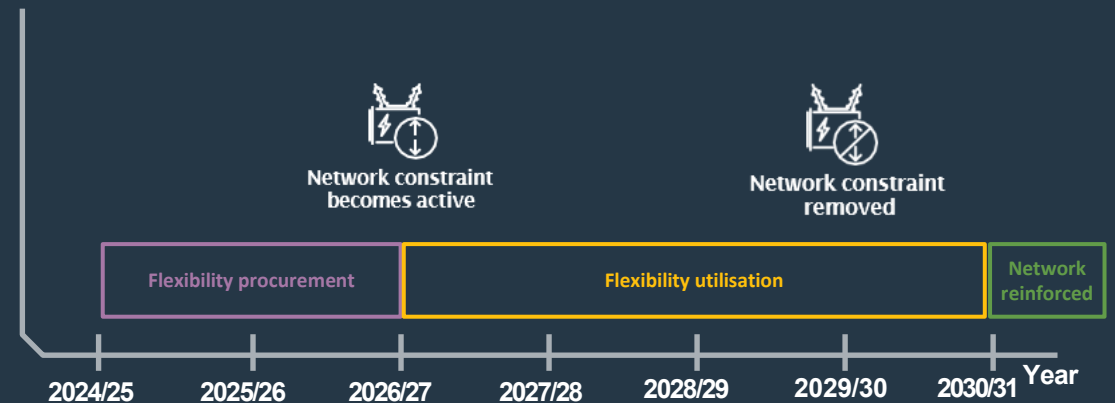
- Flexibility solution utilised from start of 2026/27 until end of 2029/30.
- Reinforcement delivery by the end of 2029/30.

Estimated peak MW outside firm network capacity under each scenario

Grey text relates to estimated peak MW without reinforcement delivery

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31
CT	-	-	0.03	0.22	0.49	0.72	-(1.04)
ST	-	-	-	-	0.15	0.303	-(0.50)
LTW	-	-	0.04	0.30	0.58	0.90	-(1.29)
FS	-	-	-	-	-	-	-

Constraint management timeline





Glossary

Term	Description
Aggregators	A new type of energy service provider which can increase or moderate the electricity consumption of a group of consumers according to total electricity demand on the grid.
BSP	Bulk Supply Point.
CMZ	Constraint Managed Zones . These zones make use of technologies providing flexibility to alleviate network constraints, deploying them as an alternative to traditional network reinforcement in the management of peak demand.
Data triage	Systematically find issues which should inhibit open data, identify the 'least impact' mitigation technique(s) and make the process transparent.
Decarbonisation	Reducing the carbon intensity in terms of emissions per unit of electricity generated.
DER	Distributed Energy Resources. Any resource on the distribution system that produces or stores electricity. This can include distributed generation, storage, heat pumps and electric vehicles as well as other technologies.
Digital System Map/ Digital Twin	A digital representation of a real-world entity or system.
DNO	Distribution Network Operator
DNOA	Distribution Network Options Assessment
DSO	Distribution Systems Operator. The directorate within SSEN that supports a more flexible network operation. Uniquely placed to ensure simple and consistent access to new markets for our active customers through maximising the utilisation of our existing electrical and communication networks.
DSOAB	DSO Advisory Board
DSAP	Digital Strategy and Action Plan
FCO	First Circuit Outage. Conditions following loss of a circuit from the intact network.
FSO	Future System Operator. Ofgem intend to set up an expert, independent FSO with responsibilities across both the electricity and gas systems and the ability to expand its remit to additional energy vectors when needed. The FSO will be in the public sector, with operational independence from government.
GDN	Gas Distribution Network
GSP	Grid Supply Point
GW	Gigawatt
HV	High Voltage
IDNO	Independent Distribution Network Operator
kWh	Kilowatt hour
LAEP	Local Area Energy Plan. A data-driven and whole energy system, evidence-based approach that sets out to identify the most effective route for the local area to contribute towards meeting the national net zero target, as well as meeting its local net zero target.
LCT	Low Carbon Technologies

Term	Description
LENZA	Local Energy Net Zero Accelerator. SSEN's tool for supporting local authority LAEPs.
LEO(N)	Local Energy Oxfordshire (Neighbourhood)
LTDS	Long Term Development Statements. Designed to help to identify and evaluate opportunities for entering into arrangements with us relating to use of system or connection.
LV	Low Voltage
MW	Megawatt
NDP	Network Development Plan
NeRDA	Near Real-Time Data Access
NESO	National Energy System Operator. The National Energy System Operator for Great Britain, making sure that Great Britain has the essential energy it needs by ensuring supply meets demand.
NIA	Network Innovation Allowance
NMF	Neutral Market Facilitator will provide a market for trading use of Distributed Energy Resources (DERs).
Open Data	Data in a machine-readable format that can be freely used, shared and built on by anyone, anywhere, for any purpose.
PSS	Primary Substation
RIIO-ED2	Current price control for Electricity Distribution (2023-2028)
RIIO-ED3	The next price control for Electricity Distribution (2028-2033)
RESP	Regional Energy Strategic Plan
SCO	Second Circuit Outage. Loss of a circuit during the event of an already planned or unplanned network outage.
SEPD	Southern Electric Power Distribution
SHEPD	Scottish Hydro Electric Power Distribution
SIF	Strategic Innovation Fund
SME	Small Medium Size Enterprise
SSEN	Scottish and Southern Electricity Networks
TO	Transmission Owner
TOM	Target Operating Model
VFES	Vulnerability Future Energy Scenarios
VIVID	Vulnerability Identification Via Informative Data

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