

Distribution Network Options Assessment (DNOA) Reports

MARCH 2025 | THIRD EDITION



CHAPTER 01

Executive Summary

UK Power Networks' vision is to deliver a fit for purpose electricity network for the energy transition to Net Zero at the lowest cost to our customers. To do that, we set up GB's first independent Distribution System Operator (DSO) in 2023 with appropriate governance to ensure that decisions on provision of future network capacity are made in the interest of all UK Power Networks customers. Hence, we were the first to set up an independent DSO Supervisory Board, as part of our operating model. Our DSO will be at the heart of facilitating the lowest cost transition to Net Zero, whilst supporting clean economic growth.

Also, we will continue to publish new granular data on our capacity needs and investment decision making throughout the RII0-ED2 period.

In March 2024 we published the 2024 DNOA Methodology and Reports documents. The Reports document contained the results of the DNOA process following the flexibility tender round 9 (TR9) that ran during the fourth quarter of 2023. In November 2024 we published an update to the reports based on the results of the flexibility tender round 10 (TR10).

The process to produce the 2025 DNOA recommendations started in September 2024, with the issuance of load growth forecasts. The network capacity shortfall drove the flexibility requirements of flexibility tender round 11 (TR11) which ran in 2024 Q4. Our Distribution Future Energy Scenarios (DFES) were updated to reflect the new Future Energy Scenarios (FES) issued by the National Energy System Operator (NESO) in 2024.

Last year Ofgem directed Gas and Electricity Transmission companies to develop their final RII0-3 Business Plans based on Holistic Transition (HT).

During the last quarter of 2024, we decided to change our best view scenario from Consumer Transformation (CT) in the old DFES to HT in the new DFES. Our forecasts have been updated to reflect the lower uptake of electric vehicles and heat pumps compared to previous projections. This year we have incorporated high confidence local insights into our best view forecast. The above have impacted our load growth forecasts.

The reports are organised by license area and type of need. Based on the type of scheme, we take a different approach to show the results. There is a single page published for each EHV/HV demand scheme. The page presents the main information used in the reviewing process. In the data tables showing flexibility requirements, we have four rows. One row shows the requirements under the old DFES CT scenario, on which the TR11 requirements were based. The other three rows show the HT scenario, a minimum growth scenario and a maximum growth scenario. The max scenario assumes high load growth but with limited optimisation to smooth out demand peaks, whilst the min scenario will have lower growth alongside high levels of optimisation and energy efficiency. For LV demand, we present the results in table format, due to the high volume.



In this document, we are presenting reports for the sites where flexibility was identified as a technically feasible solution and the market was tested in the latest flexibility tender event. We are publishing alongside this report, a full list of sites where we will consider investment decisions out to 2050 to give greater transparency of our system needs. This list will be regularly updated going forwards.

In the table below, we provide a quick overview of the results for the EHV/HV sites.

Type	Site / Name	License Area	Constraint Year	DNOA Stage	DNOA Result
Demand	Abberton Coggeshall	EPN	2031	Remove	Need postponed
	Aldreth	EPN	2025	Flexibility	Flexibility procurement
	Alresford	EPN	2029	Signposting	Signposting
	Amphill	EPN	2028	Signposting	Signposting
	Austin Canons	EPN	2035	Remove	Need postponed
	Barsham	EPN	2026	Flexibility	Flexibility procurement
	Basildon	EPN	2030	Signposting	Signposting
	Beresford Avenue	EPN	2025	Flexibility	Flexibility procurement

The numbers are as follows:

EHV/HV demand: **60 sites**

LV demand: **385 sites**

Type	Site / Name	License Area	Constraint Year	DNOA Stage	DNOA Result
Demand	Bramford Diss Thetford	EPN	2025	Flexibility	Flexibility procurement
	Brandon	EPN	2027	Flexibility	Flexibility dispatch
	Brington	EPN	2025	Flexibility	Flexibility procurement
	Brockenhurst Mill Hill	EPN	2025	Flexibility	Flexibility procurement
	Caister	EPN	2026	Flexibility	Flexibility procurement
	Cheddington	EPN	2030	Signposting	Signposting
	Chelmsford East	EPN	2027	Flexibility	Flexibility procurement
	Cockfosters	EPN	2025	Reinforcement	Reinforcement completed



Type	Site / Name	License Area	Constraint Year	DNOA Stage	DNOA Result
Demand	Croydon	EPN	2025	Flexibility	Flexibility procurement
	Diss Grid	EPN	2027	Flexibility	Flexibility dispatch
	Feltwell	EPN	2025	Flexibility	Flexibility procurement
	Godmanchester	EPN	2025	Flexibility	Flexibility procurement
	Grays	EPN	2028	Signposting	Signposting
	Guyhirn	EPN	2025	Flexibility	Flexibility procurement
	Halstead	EPN	2028	Signposting	Signposting
	Hendon Way	EPN	2025	Flexibility	Flexibility procurement
	Kenninghall	EPN	2025	Flexibility	Flexibility procurement
	Kimbolton	EPN	2025	Flexibility	Flexibility procurement
	Kimms Belt	EPN	2026	Flexibility	Flexibility procurement
	Kings Lynn South Grid	EPN	2031	Remove	Need postponed
	Laxfield	EPN	2025	Flexibility	Flexibility procurement
	Manton Lane	EPN	2030	Signposting	Signposting

Type	Site / Name	License Area	Constraint Year	DNOA Stage	DNOA Result
Demand	March Primary	EPN	2026	Flexibility	Flexibility procurement
	Marston Road	EPN	2025	Flexibility	Flexibility dispatch
	Melbourn Primary	EPN	2037	Remove	Need postponed
	North Drive	EPN	2025	Flexibility	Flexibility procurement
	Ongar	EPN	2030	Signposting	Signposting
	Reed	EPN	2025	Flexibility	Flexibility procurement
	Selwyn Road	EPN	2025	Flexibility	Flexibility procurement
	Stickfast Lane	EPN	2025	Flexibility	Flexibility procurement
	Takeley	EPN	2025	Flexibility	Flexibility procurement
	Thaxted Local	EPN	2025	Flexibility	Flexibility procurement
	Thorpe Grid	EPN	2026	Flexibility	Flexibility procurement
	Tiptree	EPN	2030	Signposting	Signposting
	Waddesdon	EPN	2025	Flexibility	Flexibility procurement
	West Horndon	EPN	2026	Flexibility	Flexibility procurement



Type	Site / Name	License Area	Constraint Year	DNOA Stage	DNOA Result
Demand	White Roding	EPN	2025	Flexibility	Flexibility procurement
	Bow	LPN	2026	Flexibility	Flexibility procurement
	Ruxley	LPN	2036	Remove	Need postponed
	Willesden Grid	LPN	2025	Flexibility	Flexibility procurement
	Angmering	SPN	2030	Signposting	Signposting
	Capel Switching Station	SPN	2025	Flexibility	Flexibility dispatch
	D.W.S.	SPN	2027	Flexibility	Flexibility procurement
	Leysdown	SPN	2025	Flexibility	Flexibility procurement
	Little Chart	SPN	2029	Signposting	Signposting
	Rainham	SPN	2031	Remove	Need postponed
	Ripe	SPN	2025	Flexibility	Flexibility procurement
	Rye Grid	SPN	2040	Remove	Need postponed

Type	Site / Name	License Area	Constraint Year	DNOA Stage	DNOA Result
Demand	Sevington	SPN	2026	Flexibility	Flexibility procurement
	Sittingbourne Town	SPN	2030	Signposting	Signposting
	Smeeth	SPN	2025	Flexibility	Flexibility procurement
	St Helier	SPN	2025	Flexibility	Flexibility procurement
	Sutton B	SPN	2025	Flexibility	Flexibility procurement
	Tunbridge Wells Group	SPN	2025	Flexibility	Flexibility procurement
	West Weybridge	SPN	2025	Flexibility	Flexibility procurement
	Warehorne	SPN	2029	Signposting	Signposting
	Warehorne Group	SPN	2025	Flexibility	Flexibility procurement
	Wittersham	SPN	2025	Flexibility	Flexibility procurement
	Wrotham	SPN	2026	Flexibility	Flexibility procurement

CHAPTER 02

EHV/HV Demand Results

In this chapter we present the detailed reports for the results of the DNOA process of the EHV/HV demand sites.

Eastern Power Networks (EPN) Results

PAGE 07

London Power Networks (LPN) Results

PAGE 48

South Eastern Power Networks (SPN) Results

PAGE 50

Aldreth

Area: EPN

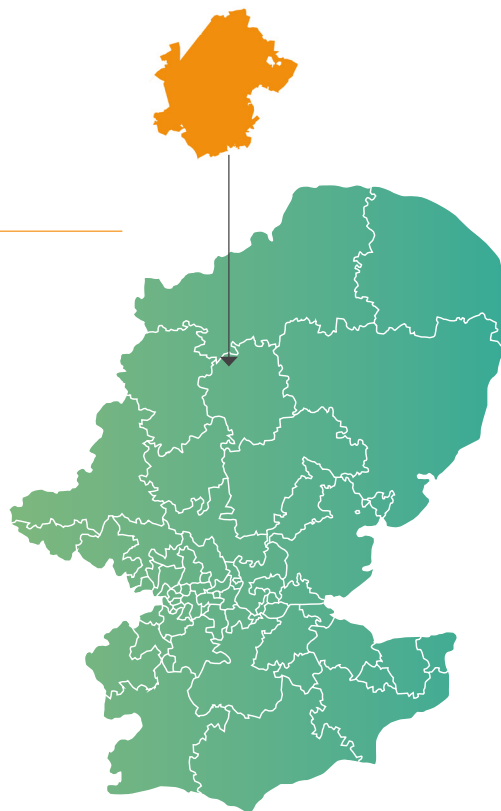
Postcode: CB6 3PJ

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited switchgear capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £10,000 - £14,400
Customers served 7,716	Current status Flexibility procurement	Local authority East Cambridgeshire South Cambridgeshire

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.8	1.4	2.2	2.9	3.7
HT	0.2	0.5	0.8	1.2	1.7
Min					
Max	1.0	1.5	2.2	2.9	3.5
FLEX	>100%	>100%	70%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Alresford

Area: EPN

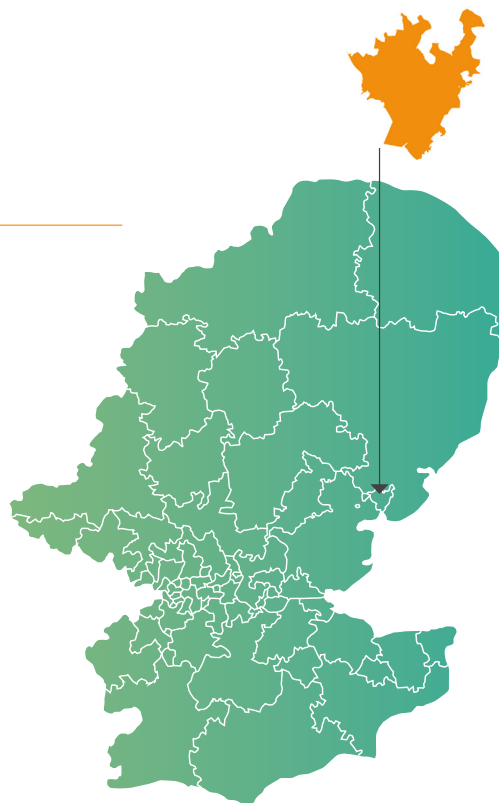
Postcode: CO7 8DG

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the existing transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2029	Flex revenue range £/MW
Customers served 8,525	Current status Signposting	Local authority Tendring

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)		0.8	1.7	2.7	3.6
HT					0.3
Min					
Max		0.2	1.0	1.6	2.3
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Amphthill

Area: EPN

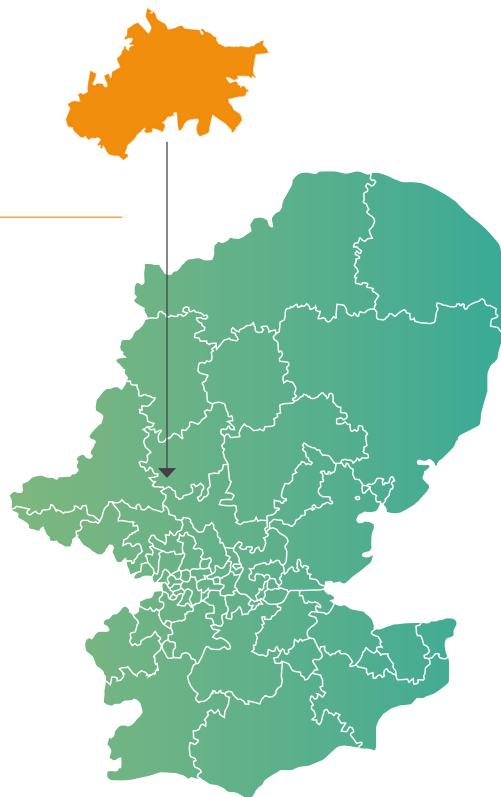
Postcode: MK45 2BQ

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the 33/11 kV transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2028	Flex revenue range £/MW
Customers served 7,828	Current status Signposting	Local authority Central Bedfordshire

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			0.6	1.3	2.1
HT				0.2	1.1
Min					
Max			0.5	1.4	2.4
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Barsham

Area: EPN

Postcode: NR34 8HF

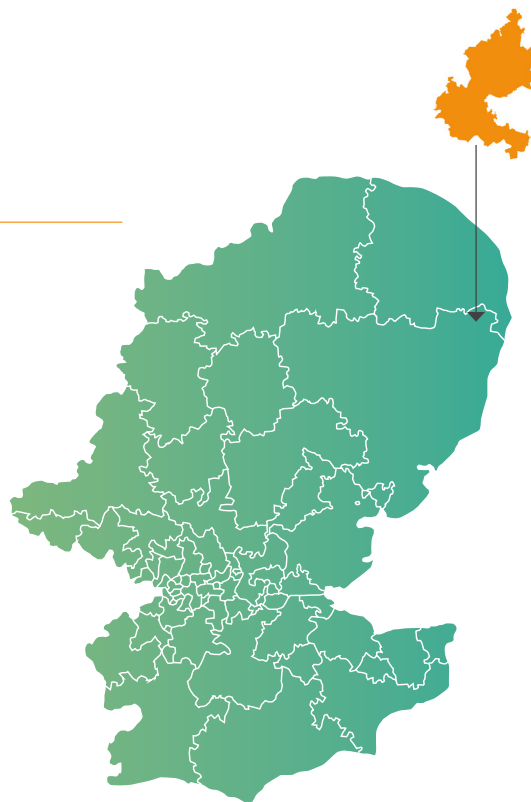
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing 33/11 kV transformers
- Replace the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2026	Flex revenue range £/MW £102,300 - £146,100
Customers served 3,014	Current status Flexibility procurement	Local authority East Suffolk South Norfolk

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028
					

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)		0.4	0.7	1.2	1.3
HT		0.2	0.7	1.0	1.1
Min					
Max	0.4	0.9	1.5	1.9	2.1
FLEX			20%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Basildon

Area: EPN

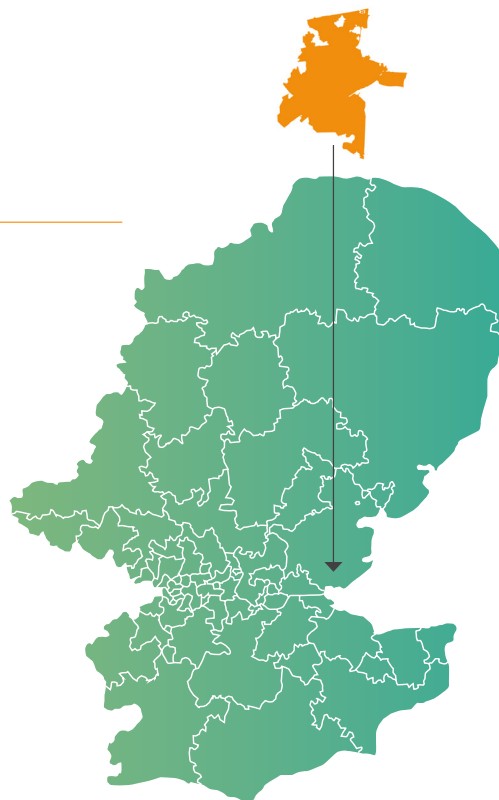
Postcode: SS16 4NW

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited circuit capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the 33 kV cables through Basildon Local Primary.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2030	Flex revenue range £/MW
Customers served 16,465	Current status Signposting	Local authority Basildon

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			0.7	1.8	2.9
HT					
Min					
Max					
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Beresford Avenue

Area: EPN

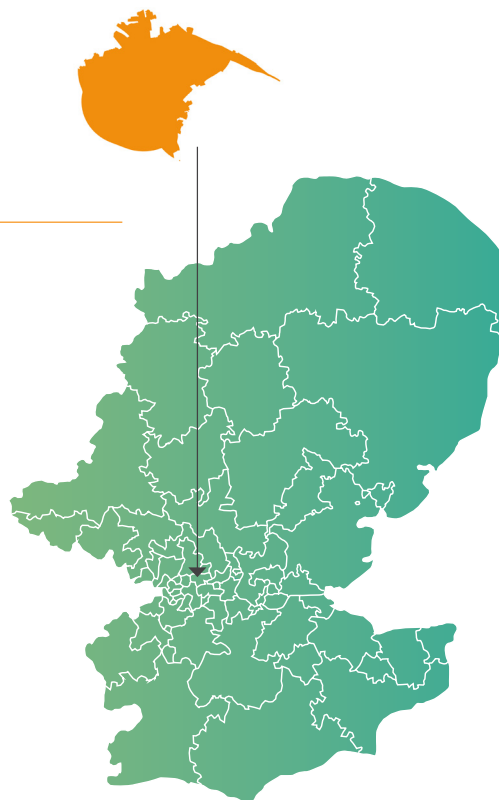
Postcode: HA0 1NX

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the 33/11 kV transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £7,100 - £10,600
Customers served 6,357	Current status Flexibility procurement	Local authority Brent Ealing

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.9	2.5	3.9	5.3	5.7
HT	0.3	1.7	3.4	5.1	5.7
Min					0.4
Max	1.7	3.4	4.8	6.3	6.5
FLEX			<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Bramford Diss Thetford

Area: EPN

Postcode: IP22 4AU

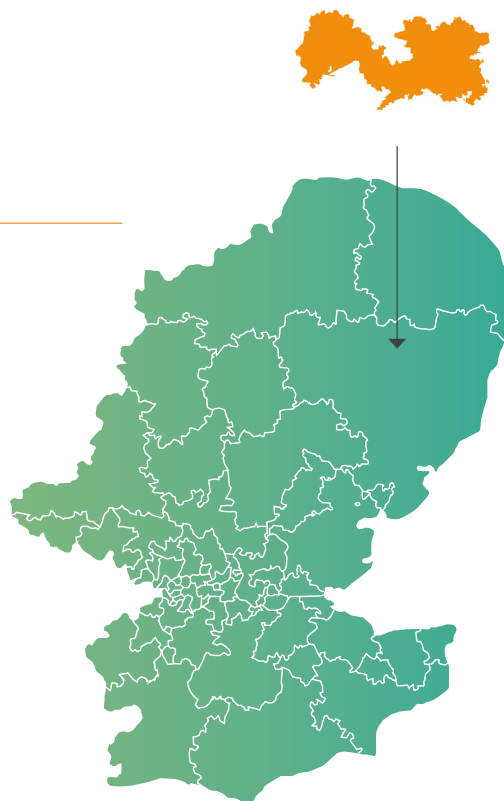
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited circuit capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the 132 kV oil filled cables between Bramford GSP
- Build overhead lines towards Diss & Thetford.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2025	Flex revenue range £/MW £3,100 - £4,800
Customers served 55,481	Current status Flexibility procurement	Local authority South Norfolk

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	10.3	13.3	16.8	20.2	23.4
HT	5.4	8.4	10.8	13.3	15.8
Min	0.3			0.4	1.6
Max	9.9	14.3	18.3	22.2	25.7
FLEX	>100%	>100%	20%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Brandon

Area: EPN

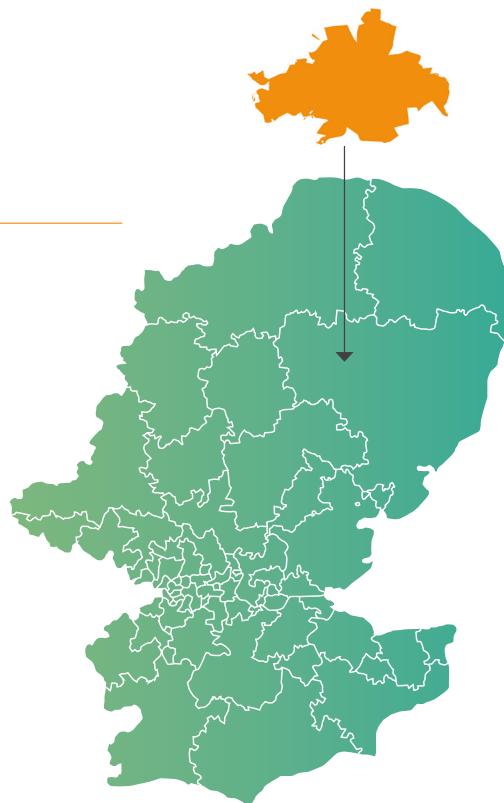
Postcode: IP27 OSD

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site a proposed solution is to replace the transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2027	Flex revenue range £/MW £23,900 - £118,500
Customers served 7,464	Current status Flexibility dispatch	Local authority West Suffolk Breckland

Approved DNOA recommendation:



We were able to procure flexibility to fulfil all our requirements in the tendered period through our Autumn 2024 flexibility tender. We will use flexibility to manage the constraint.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.3	0.7	1.0	1.3	1.6
HT			0.2	0.4	0.7
Min					
Max	0.1	0.6	1.0	1.4	1.8
FLEX			100%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Brington

Area: EPN

Postcode: PE28 5AD

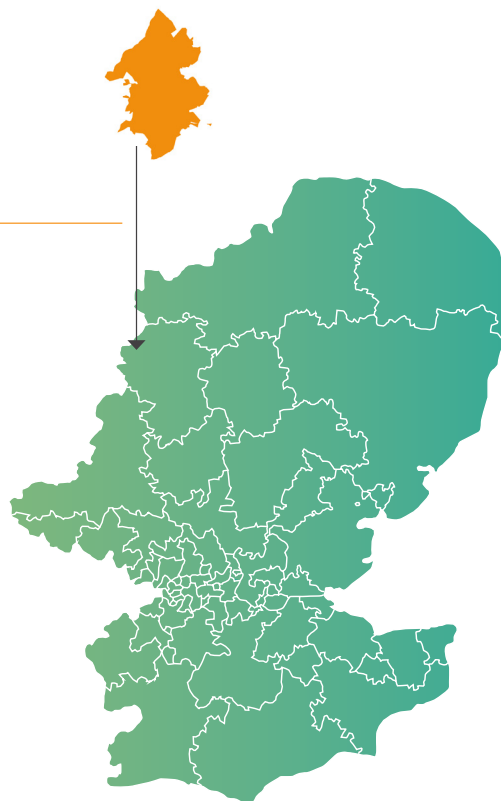
Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing 33/11 kV transformer at Kimbolton
- Install a new 11 kV circuit between Brington and Kimbolton.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £6,300 - £12,800
Customers served 1,724	Current status Flexibility procurement	Local authority Huntingdonshire

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	3.4	3.6	3.9	4.1	4.3
HT	3.2	3.3	3.5	3.5	3.7
Min	3.0	3.0	3.0	3.0	3.1
Max	3.4	3.6	3.8	3.9	4.1
FLEX	<10%	<10%	<10%		

Key:



Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Brockenhurst Mill Hill

Area: EPN

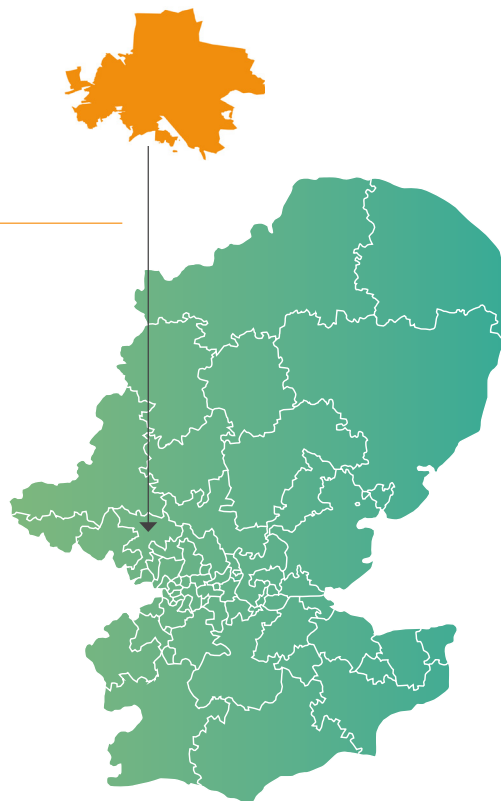
Postcode: NW7 2JD

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the 33/11 kV transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £2,400 - £4,900
Customers served 5,825	Current status Flexibility procurement	Local authority Barnet

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	4.0	4.7	5.5	6.3	7.1
HT	3.1	3.5	3.7	4.1	4.5
Min	1.8	1.5	1.3	1.2	1.4
Max	4.1	5.0	5.7	6.5	7.2
FLEX			20%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Caister

Area: EPN

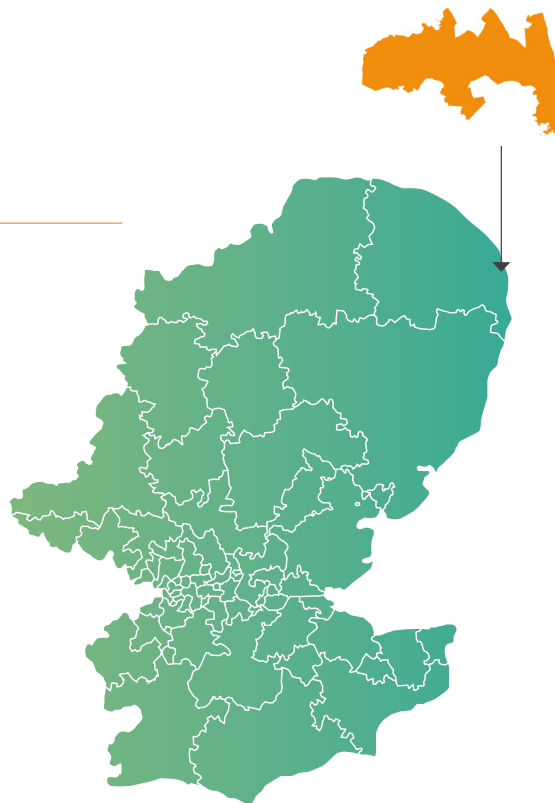
Postcode: NR30 5TE

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site a proposed solution is to increase the 11kV circuit capacity between Caister and Great Yarmouth Grid to allow demand to be transferred from Caister to Gt Yarmouth.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2026	Flex revenue range £/MW £13,400 - £22,600
Customers served 10,293	Current status Flexibility procurement	Local authority Great Yarmouth

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.1	0.5	1.2	1.8	2.5
HT		0.1	0.6	1.1	1.7
Min					
Max	0.2	0.8	1.5	2.2	2.8
FLEX			30%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Cheddington

Area: EPN

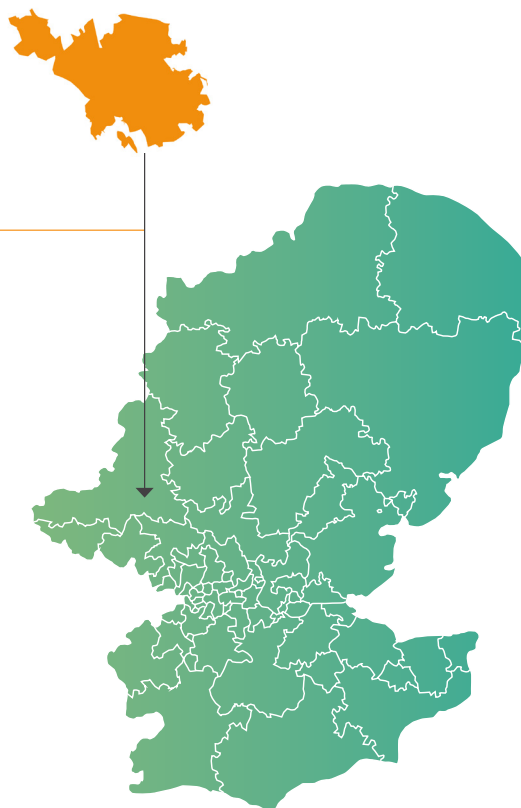
Postcode: LU7 9DY

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the 33/11 kV transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2030	Flex revenue range £/MW
Customers served 4,344	Current status Signposting	Local authority Buckinghamshire Central Bedfordshire

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			0.2	0.6	0.9
HT					
Min					
Max					
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Chelmsford East

Area: EPN

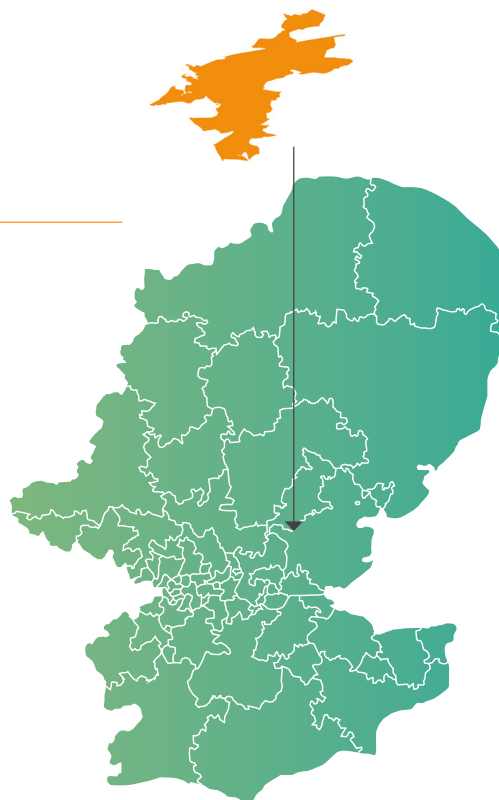
Postcode: CM2 7AQ

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the 33/11 kV transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2027	Flex revenue range £/MW £24,500 - £59,300
Customers served 5,601	Current status Flexibility procurement	Local authority Chelmsford

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)		0.5	1.6	2.0	2.5
HT			0.7	1.0	1.3
Min					
Max		0.6	2.0	2.4	2.9
FLEX			40%		

Key:



Legend:

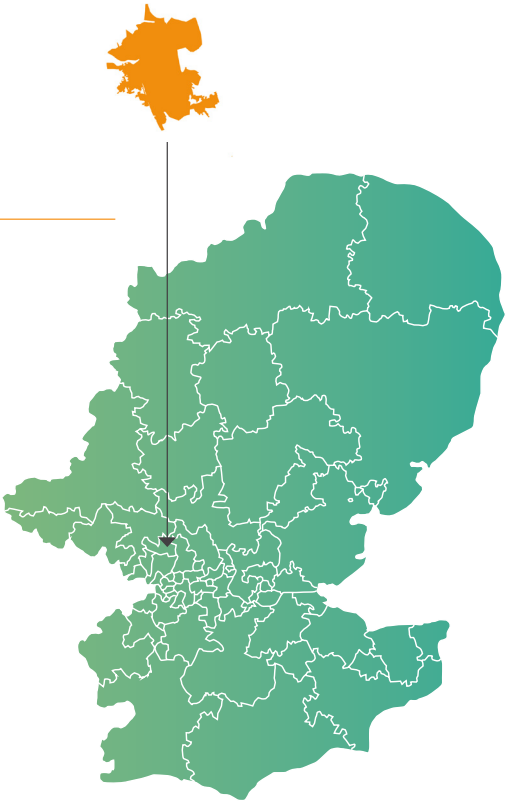
CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Cockfosters

Area: EPN
Postcode: EN4 9ED

Constraint description:
The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:
In order to increase capacity at the site a proposed solution is to replace the lower capacity transformer at Cockfosters Primary.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season

Constraint year

Flex revenue range £/MW

Customers served
13,443

Current status
Reinforcement completed

Local authority
Enfield
Barnet

Approved DNOA recommendation:



Reinforcement of the site was completed, therefore the need has been removed and we won't award flexibility.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)					
HT					
Min					
Max					
FLEX					

Key:

Signposting

Reinforcement

Flexibility

Legend: CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Croydon

Area: EPN

Postcode: SG8 0DN

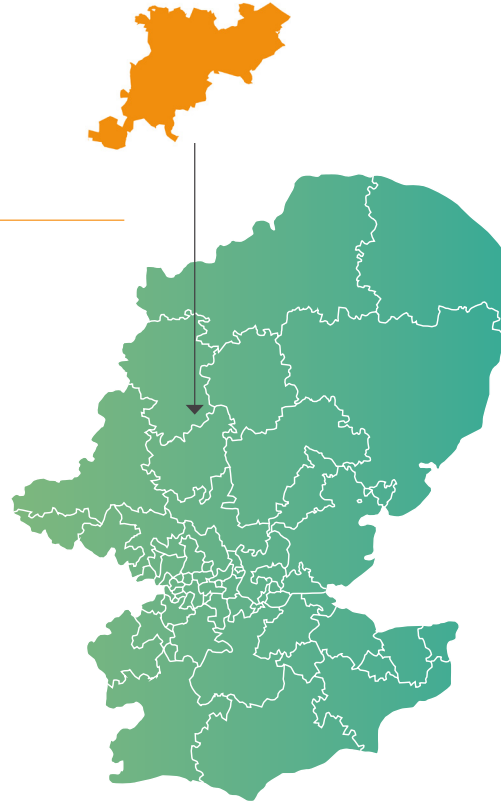
Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer
- Install an additional transformer.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £18,200 - £26,800
Customers served 2,114	Current status Flexibility procurement	Local authority South Cambridgeshire Central Bedfordshire

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	1.3	1.5	1.7	2.0	2.3
HT	1.0	1.1	1.3	1.4	1.5
Min	0.7	0.8	0.8	0.8	0.9
Max	1.2	1.4	1.6	1.8	2.0
FLEX	40%	30%	20%		

Key:



Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Diss Grid

Area: EPN

Postcode: IP22 4AU

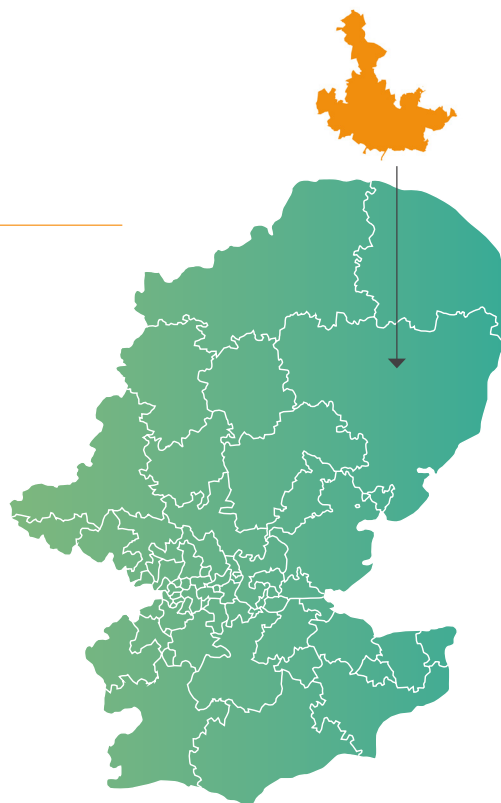
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer
- Replace the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2027	Flex revenue range £/MW £72,200 - £103,200
Customers served 8,715	Current status Flexibility dispatch	Local authority South Norfolk Mid Suffolk

Approved DNOA recommendation:



We were able to procure flexibility to fulfil all our requirements in the tendered period through our Autumn 2024 flexibility tender. We will use flexibility to manage the constraint.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)		0.1	1.0	1.8	2.6
HT			0.3	0.9	1.8
Min					
Max		0.1	1.0	2.0	3.0
FLEX			>100%		

Key:

Signposting	Reinforcement	Flexibility

Legend: CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Feltwell

Area: EPN

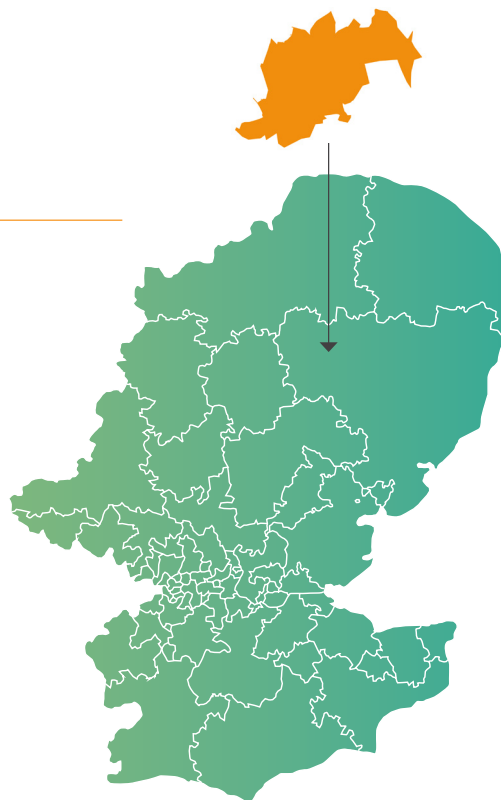
Postcode: IP26 4DN

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site a proposed solution is to install additional interconnection capacity to Brandon Primary.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £101,400 - £120,800
Customers served 1,421	Current status Flexibility procurement	Local authority King's Lynn West Norfolk

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.3	0.3	0.3	0.4	0.4
HT	0.2	0.1	0.1	0.1	
Min	0.1	0.1			
Max	0.4	0.4	0.4	0.4	0.5
FLEX			60%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Godmanchester

Area: EPN

Postcode: PE29 2AB

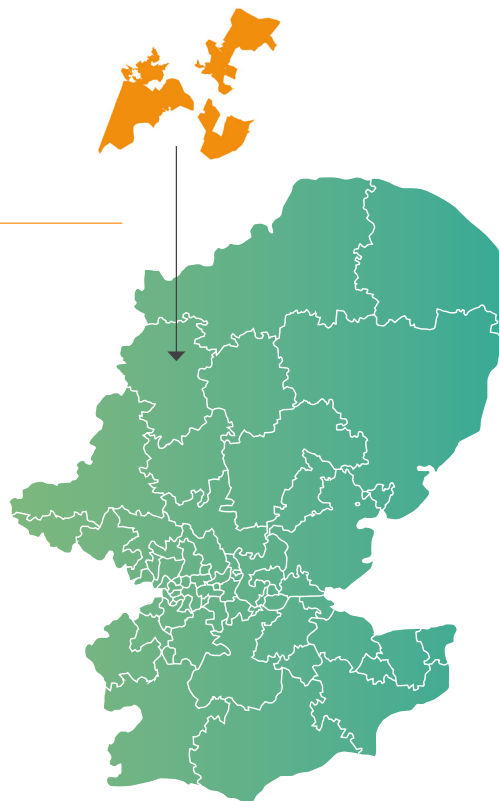
Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install an additional 33/11 kV transformers
- Extend the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £17,700 - £52,700
Customers served 6,616	Current status Flexibility procurement	Local authority Huntingdonshire

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.7	1.3	1.9	2.6	3.3
HT	0.1	0.4	0.7	1.1	1.5
Min					
Max	0.6	1.1	1.6	2.3	2.9
FLEX	>100%	>100%	40%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Grays

Area: EPN

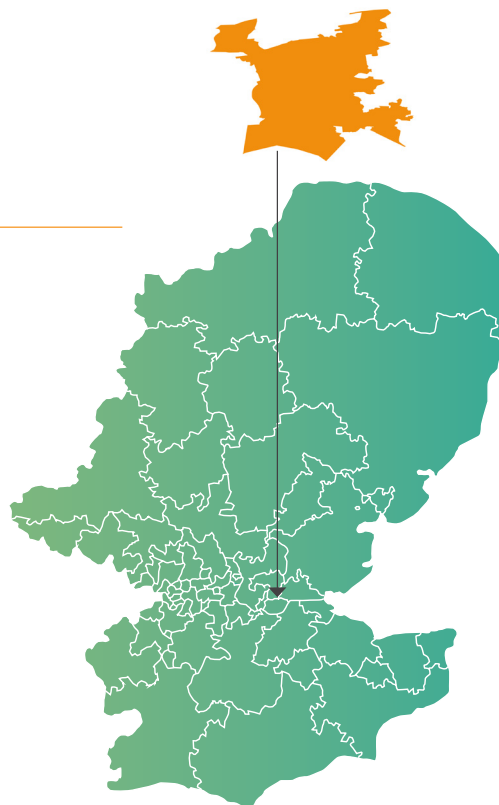
Postcode: RM17 6NF

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited circuit capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to overlay 33 kV cable to increase the 33 kV circuit rating.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2028	Flex revenue range £/MW
Customers served 11,923	Current status Signposting	Local authority Thurrock

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			1.6	3.2	4.8
HT				1.2	2.5
Min					
Max		0.5	2.3	4.1	5.7
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Guyhirn

Area: EPN

Postcode: PE13 4EG

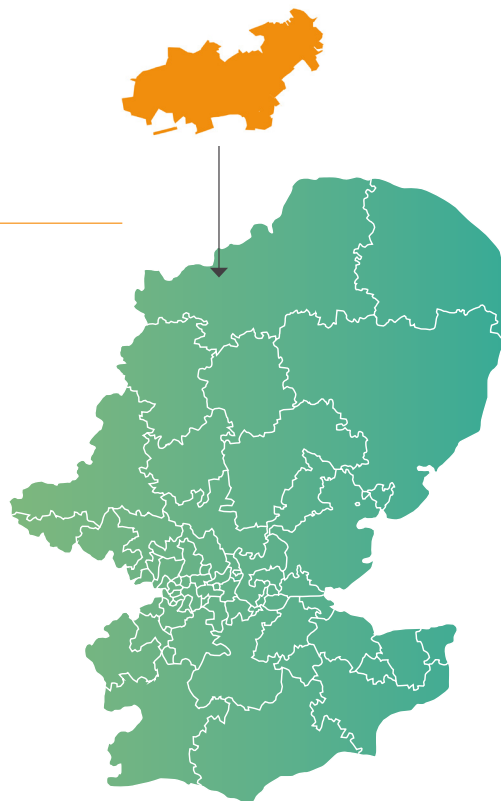
Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install an additional 33/11kV transformer
- Extend the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £54,500 - £81,100
Customers served 1,561	Current status Flexibility procurement	Local authority Fenland

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	1.1	1.3	1.5	1.8	2.1
HT	0.9	1.0	1.1	1.2	1.4
Min	0.7	0.7	0.7	0.7	0.8
Max	1.1	1.3	1.5	1.7	1.9
FLEX	20%	30%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Halstead

Area: EPN

Postcode: CO9 1LH

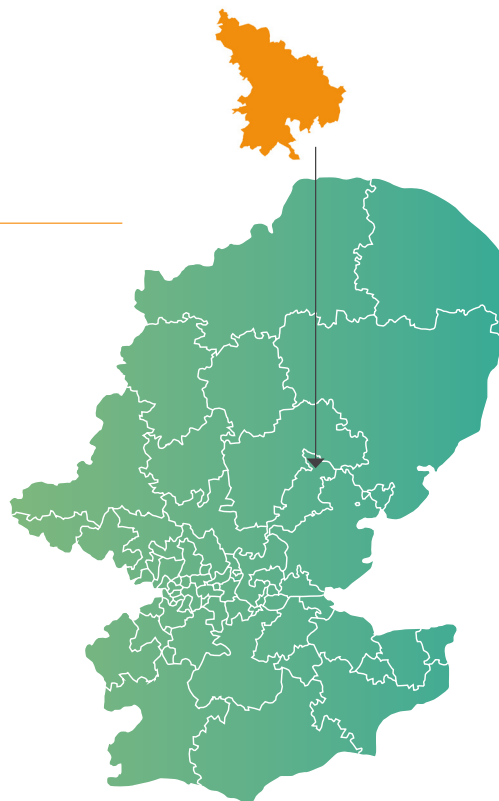
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer
- Replace the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2028	Flex revenue range £/MW
Customers served 12,433	Current status Signposting	Local authority Braintree

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			1.2	2.5	3.8
HT				0.3	1.2
Min					
Max		0.4	1.4	2.7	3.8
FLEX					

Key:



Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Hendon Way

Area: EPN

Postcode: NW11 9RR

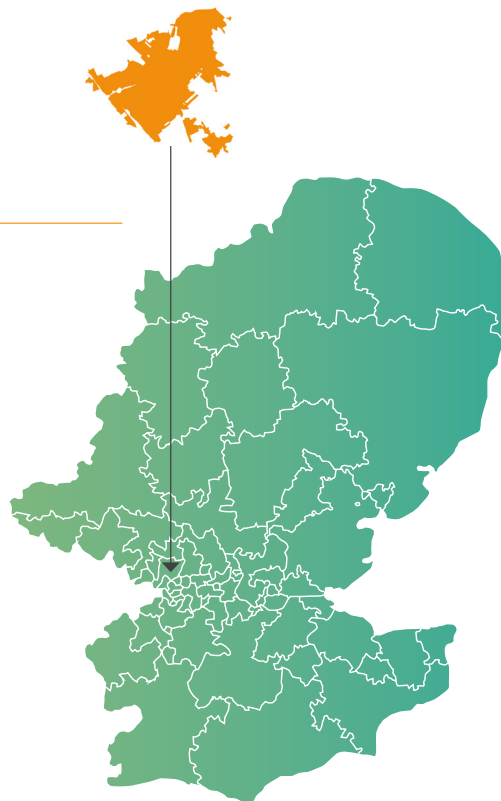
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer
- Extend the 11 kV switchgear
- Install a new 33 kV circuit from Hendon Grid.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £52,600 - £76,400
Customers served 19,691	Current status Flexibility procurement	Local authority Barnet

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	1.3	2.0	2.6	3.2	3.9
HT	1.3	2.0	2.6	3.1	3.7
Min	0.2	0.2	0.2	0.3	0.5
Max	2.2	3.2	4.1	5.0	5.8
FLEX	60%	60%	<10%		

Key:



Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Kenninghall

Area: EPN

Postcode: NR16 2EL

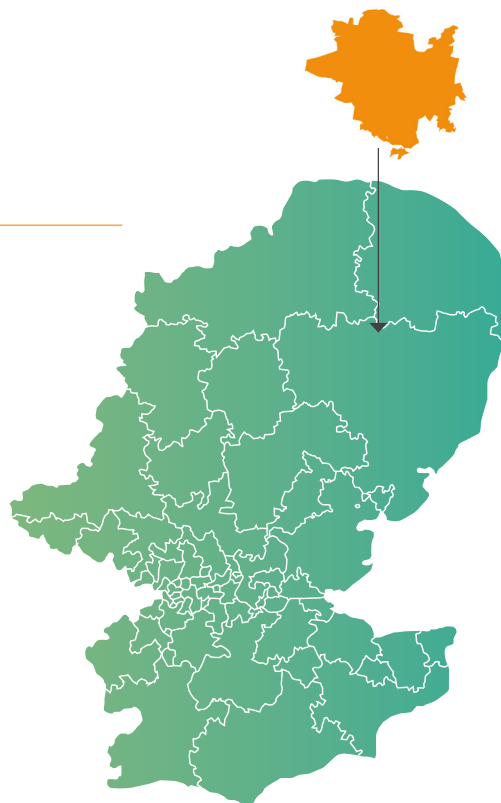
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer tapchanger capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer
- Replace the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £15,200 - £22,400
Customers served 4,475	Current status Flexibility procurement	Local authority Breckland

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	2.7	2.7	3.0	3.4	3.7
HT	2.3	2.2	2.1	2.1	2.1
Min	2.2	2.0	1.8	1.8	1.7
Max	2.8	2.9	3.0	3.2	3.3
FLEX	20%	50%	20%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Kimbolton

Area: EPN

Postcode: PE28 0JF

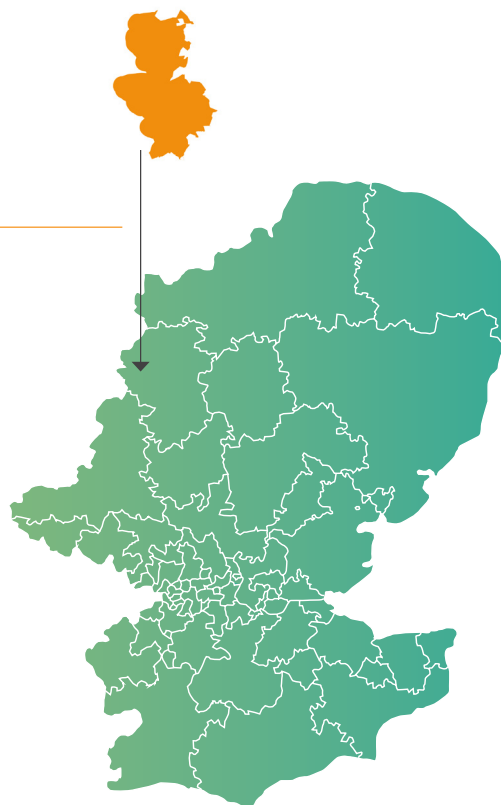
Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer at Kimbolton
- Reinforce the 11 kV circuits between Kimbolton and Brington.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2025	Flex revenue range £/MW £18,100 - £26,400
Customers served 1,591	Current status Flexibility procurement	Local authority Huntingdonshire Bedford

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	2.4	2.4	2.4	2.4	2.5
HT	2.5	2.6	2.6	2.6	2.6
Min	2.5	2.5	2.5	2.4	2.4
Max	2.8	2.8	2.8	2.8	2.8
FLEX	<10%	20%	<10%		

Key:

Signposting	Reinforcement	Flexibility

Legend: CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Kimms Belt

Area: EPN

Postcode: IP24 3EU

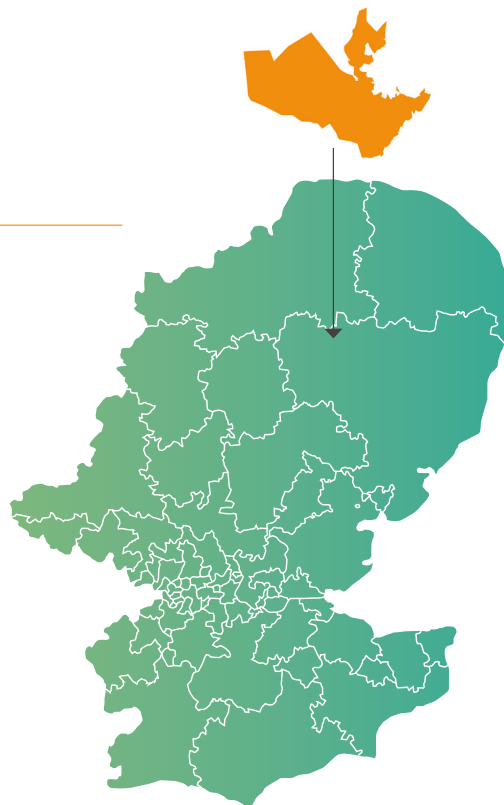
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer
- Replace the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2026	Flex revenue range £/MW £44,200 - £63,300
Customers served 2,942	Current status Flexibility procurement	Local authority Breckland

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)		0.3	1.2	2.1	2.9
HT		0.8	1.8	2.7	3.4
Min					
Max		1.2	2.3	3.3	4.1
FLEX		50%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Laxfield

Area: EPN

Postcode: IP13 8EW

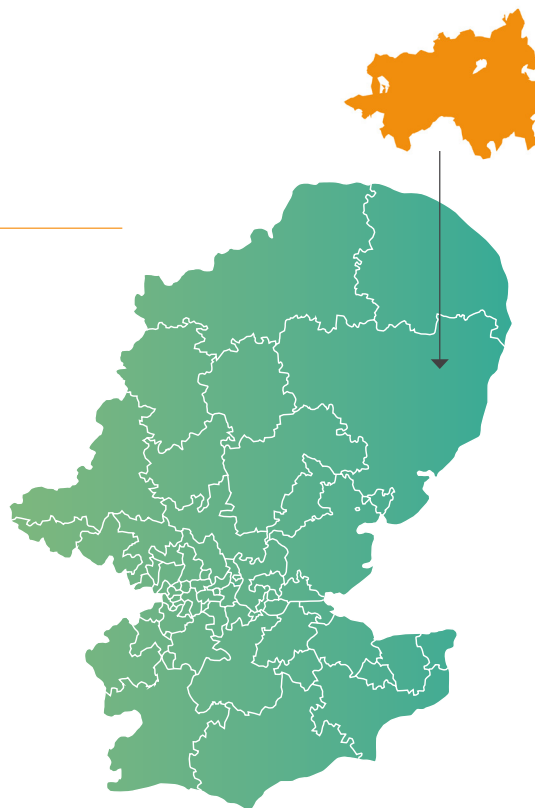
Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install an additional transformer
- Extend the 33 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £31,000 - £47,700
Customers served 1,967	Current status Flexibility procurement	Local authority Mid Suffolk East Suffolk

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028
					

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	1.4	1.4	1.6	1.9	2.2
HT	1.5	1.5	1.6	1.6	1.7
Min	1.5	1.4	1.5	1.5	1.6
Max	1.7	1.8	1.8	1.9	2.0
FLEX	20%	20%	<10%		

Key:

		
Signposting	Reinforcement	Flexibility

Legend: CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Manton Lane

Area: EPN

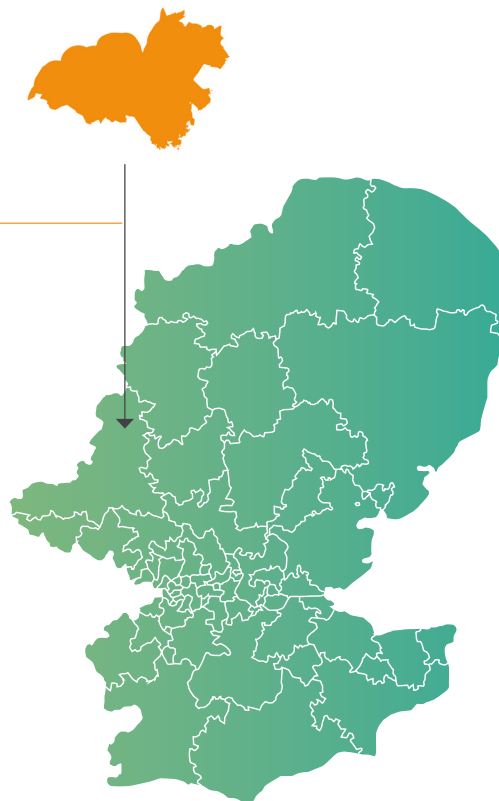
Postcode: MK41 7PX

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited current transformer capacity fitted to switchgear.

Traditional solution:

In order to increase capacity at the site a proposed solution is to replace the current transformers fitted to 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2030	Flex revenue range £/MW
Customers served 13,589	Current status Signposting	Local authority Bedford

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)		0.5	1.2	2.1	2.9
HT					
Min					
Max					
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

March Primary

Area: EPN

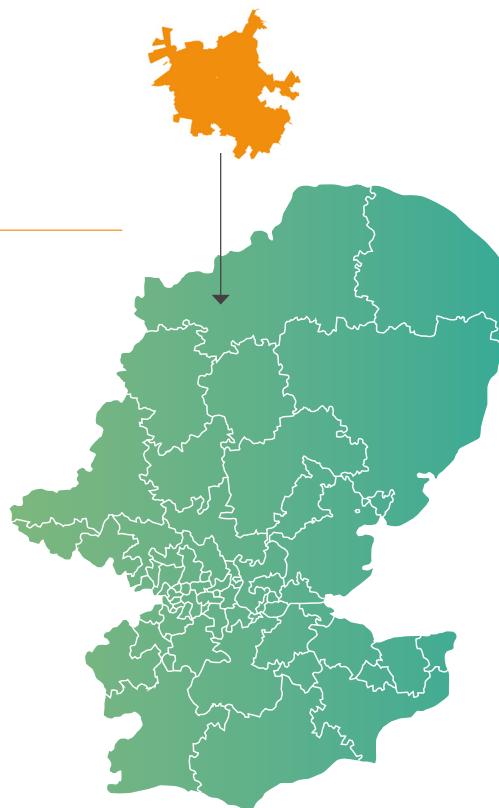
Postcode: PE15 9LT

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to install a 33/11 kV transformer at March Grid 132/33 kV site.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2026	Flex revenue range £/MW £6,300 - £35,300
Customers served 12,649	Current status Flexibility procurement	Local authority Fenland

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.8	1.3	1.9	2.2	2.6
HT		0.3	0.7	0.8	1.0
Min					
Max	0.8	1.4	2.2	2.5	3.1
FLEX		>100%	80%		

Key:



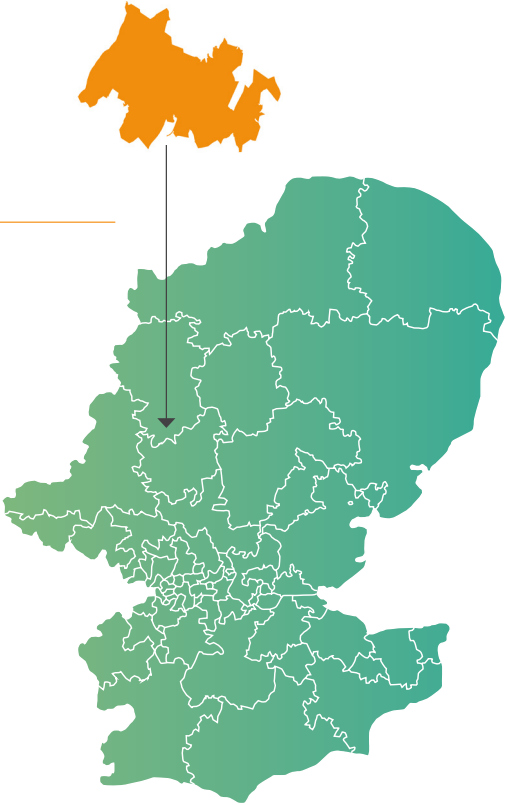
Legend: CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Marston Road

Area: EPN
Postcode: MK43 9EJ

Constraint description:
The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:
In order to increase capacity at the site a proposed solution is to replace the 33/11 kV transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season

Winter

Constraint year

2025

Flex revenue range $\pounds/\text{MW}$

£21,200 - £35,900

Customers served

4,971

Current status

Flexibility dispatch

Local authority

Central Bedfordshire Bedford

Approved DNOA recommendation:



We were able to procure flexibility to fulfil all our requirements in the tendered period through our Autumn 2024 flexibility tender. We will use flexibility to manage the constraint.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	1.4	1.9	2.3	2.8	3.4
HT	0.7	0.9	0.9	1.0	1.2
Min	0.4	0.5	0.3	0.3	0.3
Max	1.2	1.6	1.8	2.3	2.9
FLEX			>100%		

Key:

Signposting

Reinforcement

Flexibility

Legend: CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

North Drive

Area: EPN

Postcode: HP21 9AN

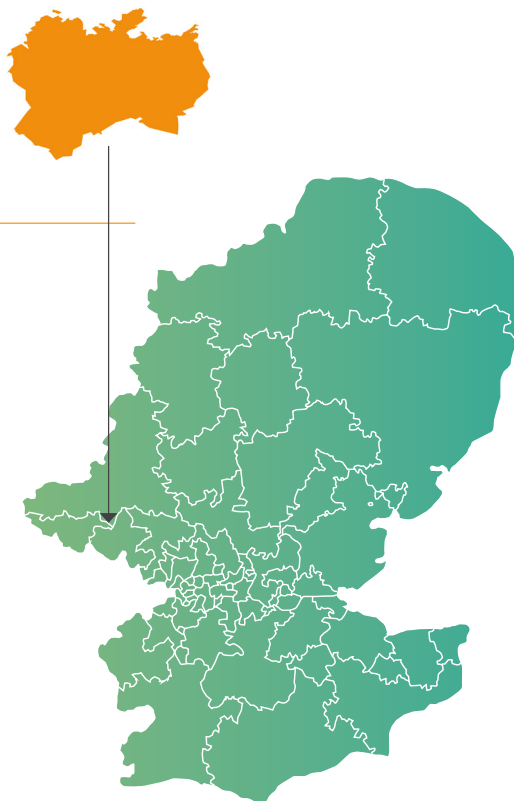
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the 33/11 kV transformer
- Replace the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £16,300 - £24,800
Customers served 10,183	Current status Flexibility procurement	Local authority Buckinghamshire

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	2.4	2.8	3.3	3.8	4.3
HT	1.7	1.7	1.8	2.1	2.4
Min	1.2	0.9	0.7	0.6	0.7
Max	2.4	2.7	3.2	3.8	4.3
FLEX			30%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Ongar

Area: EPN

Postcode: CM5 9BU

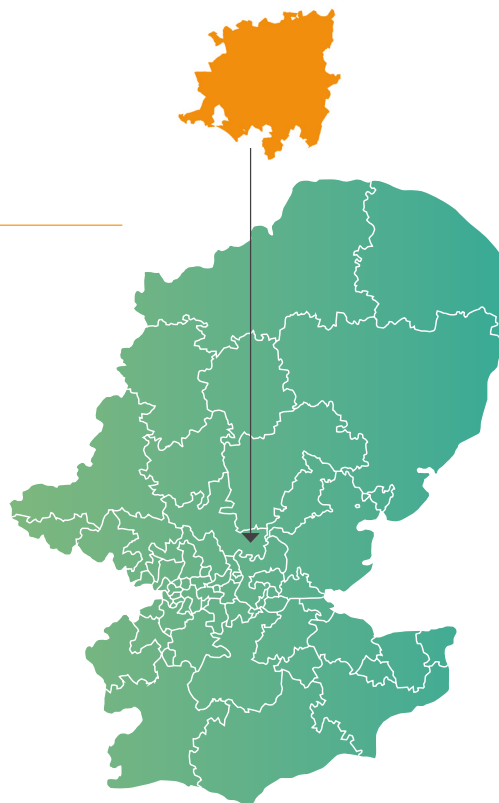
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the 33/11 kV transformer
- Extend the 33 kV circuits.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2030	Flex revenue range £/MW
Customers served 9,452	Current status Signposting	Local authority Epping Forest Brentwood

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)		0.2	1.1	1.9	2.9
HT					
Min					
Max					
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Reed

Area: EPN

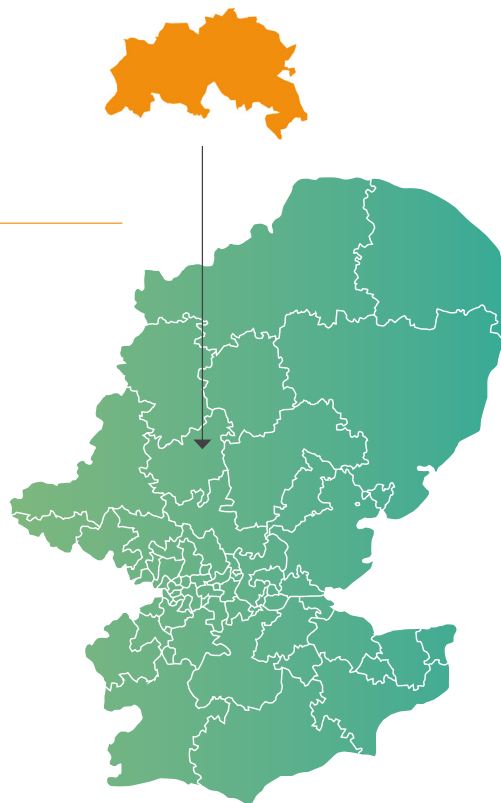
Postcode: SG8 8BD

Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to install a new 11 kV circuit between Reed and Royston.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £5,600 - £9,000
Customers served 2,196	Current status Flexibility procurement	Local authority North Hertfordshire East Hertfordshire

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	4.9	5.1	5.5	5.8	6.2
HT	4.7	5.0	5.2	5.3	5.5
Min	4.1	4.1	4.1	4.2	4.2
Max	5.0	5.3	5.7	6.0	6.1
FLEX	<10%	<10%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Selwyn Road

Area: EPN

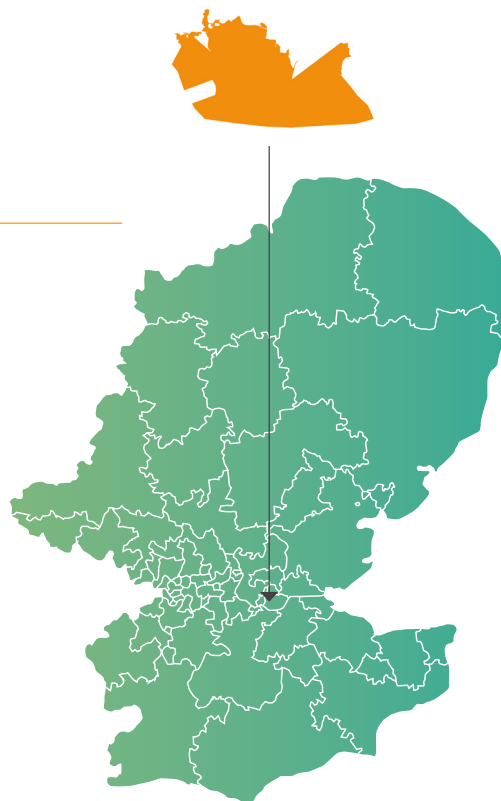
Postcode: RM18 7BP

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the existing transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2025	Flex revenue range £/MW £16,700 - £24,000
Customers served 7,970	Current status Flexibility procurement	Local authority Thurrock

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	1.9	2.0	2.3	2.6	3.0
HT	1.5	1.7	1.8	2.0	2.3
Min	1.2	1.2	1.2	1.1	1.3
Max	1.9	2.2	2.4	2.7	3.1
FLEX	>100%	>100%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Stickfast Lane

Area: EPN

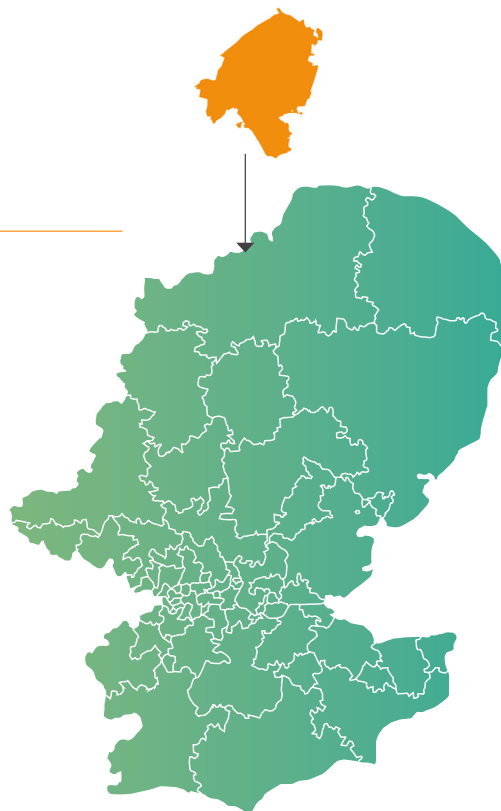
Postcode: PE14 7LF

Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to install a new transformer at 33/11 kV substation or an existing reserved site.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £23,100 - £35,100
Customers served 2,758	Current status Flexibility procurement	Local authority King's Lynn & West Norfolk, South Holland

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	2.0	2.1	2.4		0.2
HT	1.8	1.8	1.8		
Min	1.8	1.7	1.7		
Max	2.1	2.1	2.2		
FLEX	20%	20%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Takeley

Area: EPN

Postcode: CM22 6RJ

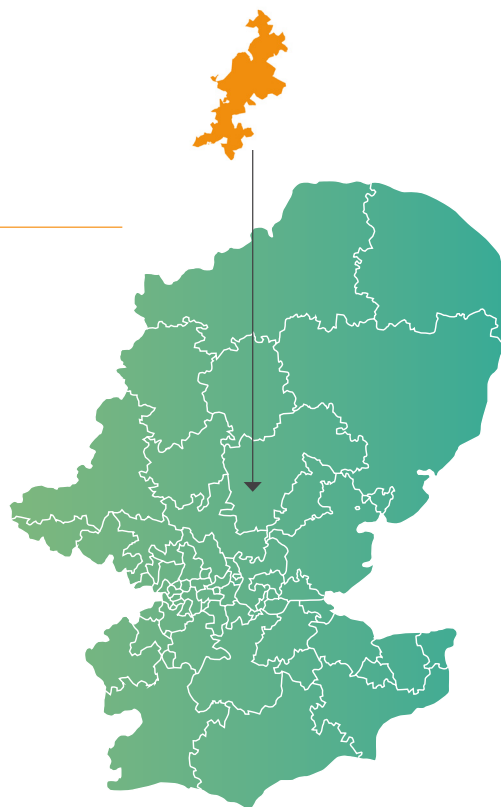
Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install a 33/11 kV transformer
- Extend the 33 kV circuit to Takeley.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £28,400 - £102,600
Customers served 3,558	Current status Flexibility procurement	Local authority Uttlesford

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.9	1.1	1.5	1.9	2.4
HT	0.6	0.7	0.9	1.1	1.3
Min					
Max	1.1	1.4	1.7	2.1	2.5
FLEX	100%	>100%	60%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Thaxted Local

Area: EPN

Postcode: CM6 2RD

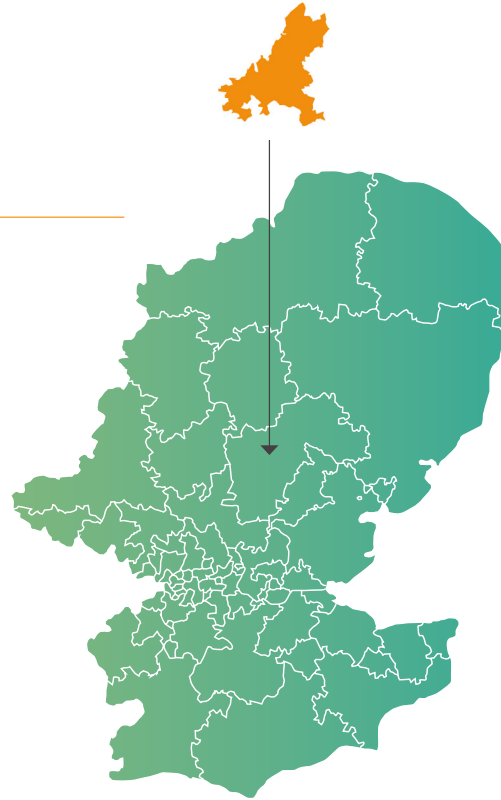
Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing 33/11 kV transformer
- Replace the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £4,800 - £8,100
Customers served 3,098	Current status Flexibility procurement	Local authority Uttlesford

For more information, please get in touch via email to networkoptionsassessment@ukpowernetworks.co.uk

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	4.2	4.3	4.6	4.9	5.2
HT	3.8	3.8	3.8	3.8	3.9
Min	3.6	3.5	3.4	3.3	3.4
Max	4.2	4.3	4.5	4.7	4.9
FLEX	20%	20%	<10%		

Key:



Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Thorpe Grid

Area: EPN

Postcode: NR1 2EE

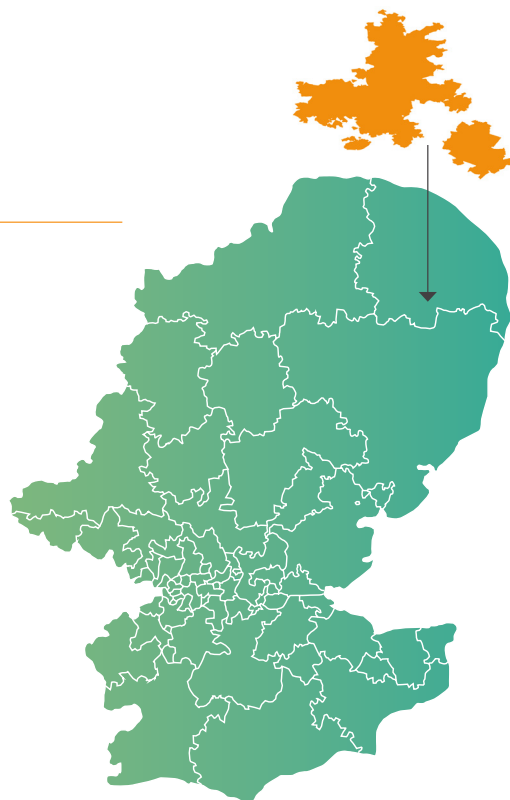
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install additional 33 kV switchgear
- Install a third 132/33 kV transformer
- Reconfigure the 33 kV network in order to transfer demand to Trowse Grid.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2026	Flex revenue range £/MW £2,600 - £3,900
Customers served 72,283	Current status Flexibility procurement	Local authority Norwich

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	4.9	8.7	13.9	19.1	24.6
HT		0.3	1.8	5.0	8.9
Min					
Max	2.3	5.7	9.9	15.3	20.3
FLEX			80%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Tiptree

Area: EPN

Postcode: CO5 0LG

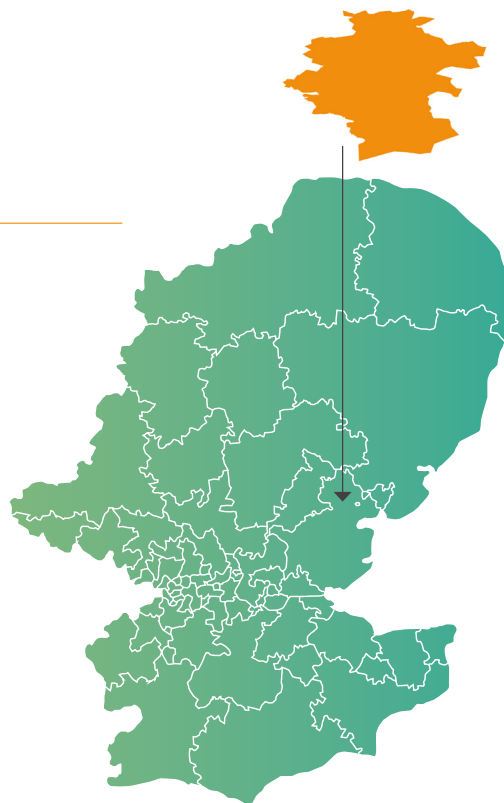
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing 33/11 kV transformer
- Rebuild the 33 kV overhead lines.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2030	Flex revenue range £/MW
Customers served 6,599	Current status Signposting	Local authority Maldon Colchester

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			0.3	0.8	1.3
HT					
Min					
Max					
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Waddesdon

Area: EPN

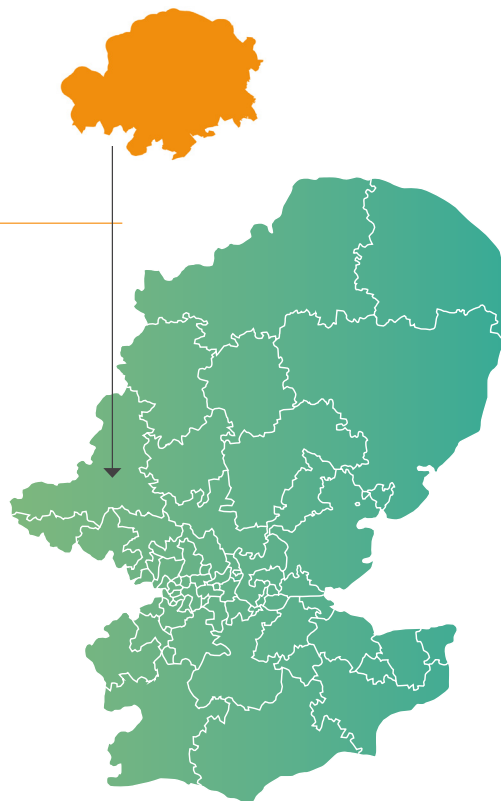
Postcode: HP18 0JR

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace 33/11 kV transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £16,100 - £24,900
Customers served 5,563	Current status Flexibility procurement	Local authority Buckinghamshire

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	2.4	3.0	3.3	3.6	4.2
HT	1.9	2.4	2.2	2.2	2.2
Min	1.4	1.5	1.3	1.2	1.1
Max	2.7	3.4	3.5	3.7	4.0
FLEX			20%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

West Horndon

Area: EPN

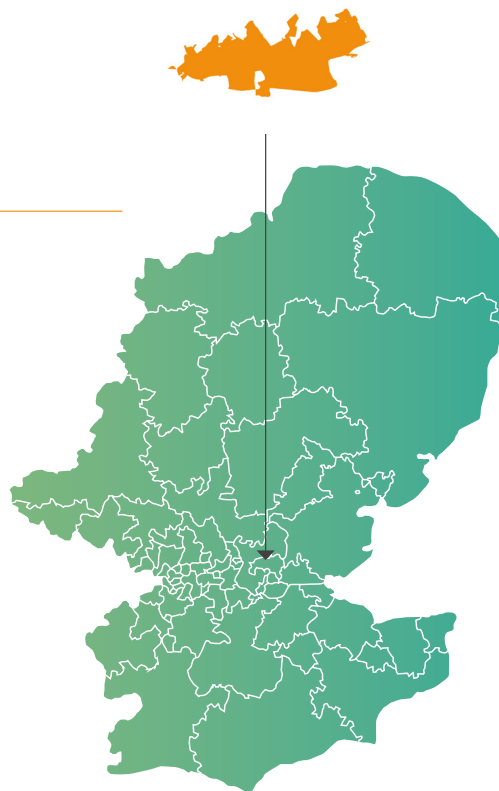
Postcode: CM13 3XL

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace 33/11 kV transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2026	Flex revenue range £/MW £42,500 - £108,500
Customers served 1,433	Current status Flexibility procurement	Local authority Brentwood Basildon

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)		0.5	1.0	1.4	1.8
HT		0.7	1.2	1.6	2.1
Min				0.1	0.4
Max	0.2	0.9	1.4	1.9	2.3
FLEX		40%	<10%		

Key:



Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

White Roding

Area: EPN

Postcode: CM6 1RF

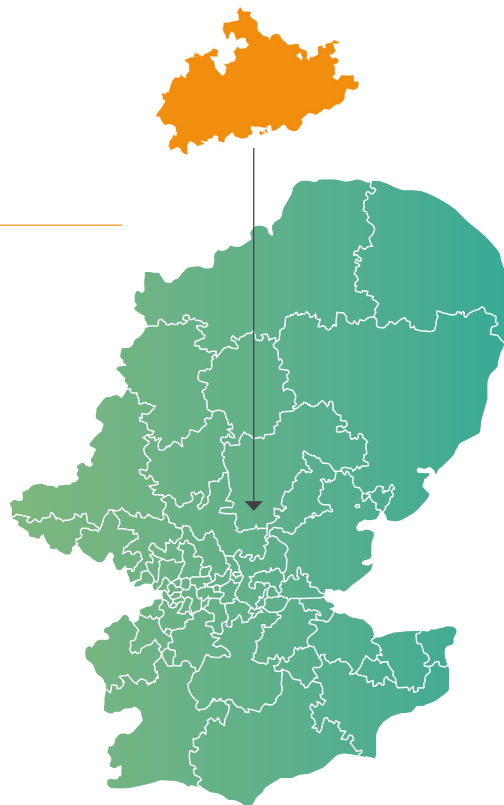
Constraint description:

The site has a single transformer, and it is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install an additional 33/11 kV transformer
- Extend the 11 kV switchgear
- Install an additional 33 kV circuit to White Roding.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £22,000 - £34,800
Customers served 2,737	Current status Flexibility procurement	Local authority Uttlesford Epping Forest

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	3.5	3.5	3.7	3.9	4.2
HT	3.2	3.1	3.0	3.0	3.2
Min	3.1	3.0	2.9	2.9	2.9
Max	3.5	3.5	3.5	3.7	4.0
FLEX			<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Bow

Area: LPN

Postcode: E15 2GN

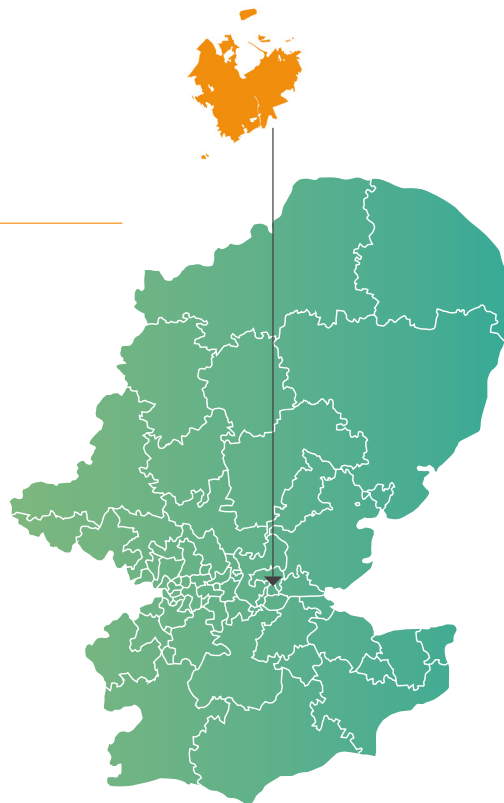
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install a third 132/11 kV transformer
- Extend 132 kV switchboard at Bow GIS.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2026	Flex revenue range £/MW £27,000 - £39,200
Customers served 28,024	Current status Flexibility procurement	Local authority Newham Tower Hamlets

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			1.5	2.7	2.9
HT		1.1	2.7	4.2	4.5
Min					
Max	0.8	4.2	6.6	8.7	9.4
FLEX		90%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Willesden Grid

Area: LPN

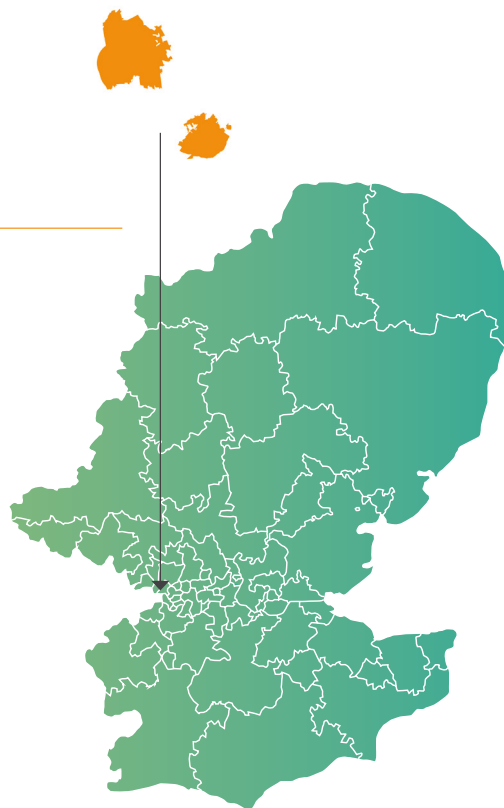
Postcode: NW10 6PE

Constraint description:

There is a deficiency in capacity within the Scottish and Southern Energy Networks' service area in West London.

Traditional solution:

In order to increase capacity at the site the traditional solution is to ensure a whole systems approach to solve the network limitation.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £17,000 - £26,900
Customers served 108,256	Current status Flexibility procurement	Local authority Ealing

Approved DNOA recommendation:



We are procuring as much flexibility as possible to support the growth of demand in West London's SSEN network.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	25	25	25		
HT	25	25	25		
Min	25	25	25		
Max	25	25	25		
FLEX	<10%	<10%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Angmering

Area: SPN

Postcode: BN16 3AA

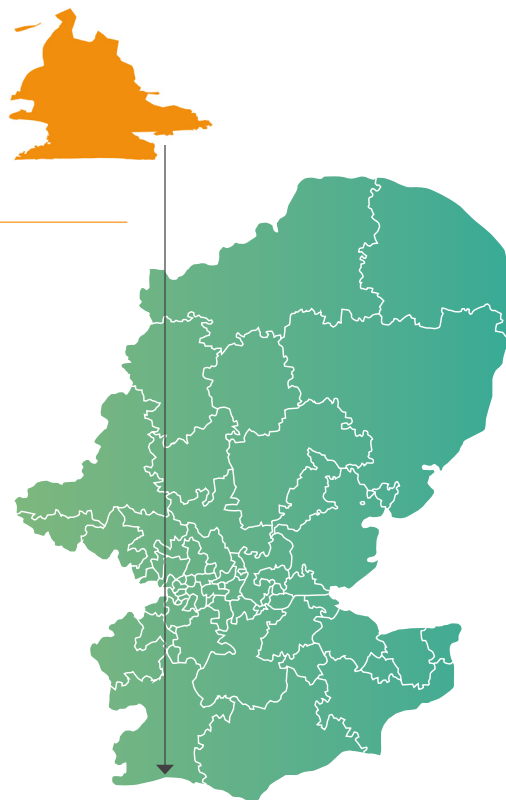
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited circuit capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Combine existing cables
- Install a new cable route from Worthing Grid to Angmering
- Install new 33/11 kV transformers
- Replace the 11 kV panel switchboard.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2030	Flex revenue range £/MW
Customers served 14,004	Current status Signposting	Local authority Arun

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			1.1	1.9	2.6
HT					
Min					
Max					
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Capel Switching Station

Area: SPN

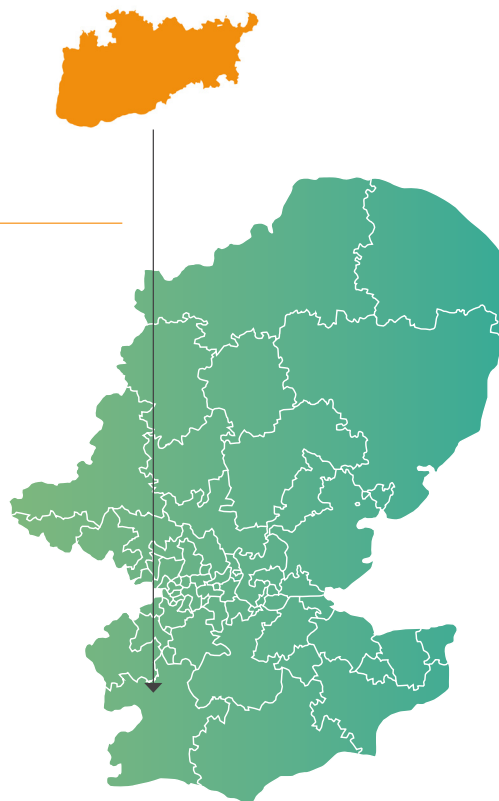
Postcode: RH5 5LE

Constraint description:

The forecasted load is anticipated to exceed the circuit's capacity. Proactive measures are taken to ensure the network can accommodate the expected load.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace overhead lines with extra high voltage cables.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £31,200 - £44,900
Customers served 14,398	Current status Flexibility dispatch	Local authority Mole Valley

Approved DNOA recommendation:



We were able to procure flexibility to fulfil all our requirements in the tendered period through our Autumn 2024 flexibility tender. We will use flexibility to manage the constraint.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	2.7	3.2	4.2	5.3	6.4
HT	0.7	0.4	0.3	0.6	1.1
Min	0.2				
Max	2.3	2.7	3.2	4.2	5.1
FLEX	>100%	>100%	>100%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

D.W.S

Area: SPN

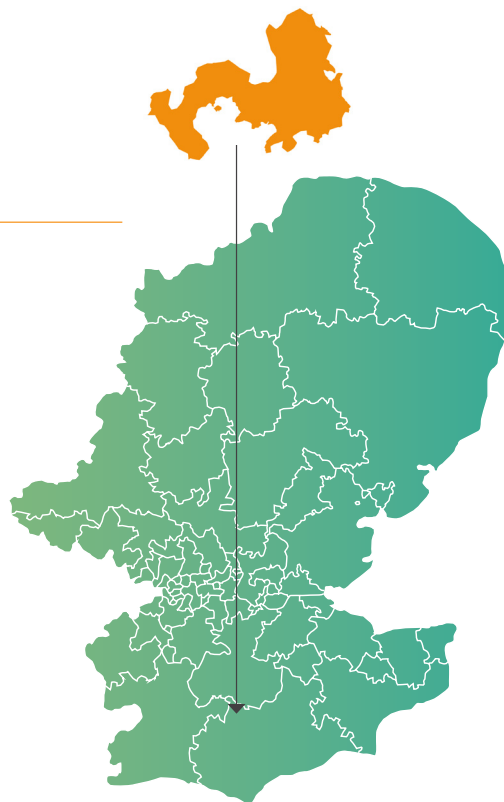
Postcode: TN22 3JJ

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to overlay cable on 33/6.6 kV Crowborough Town.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2027	Flex revenue range £/MW £52,100 - £92,900
Customers served 738	Current status Flexibility procurement	Local authority Wealden

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.1	0.2	0.3	0.5	0.7
HT			0.1	0.2	0.3
Min					
Max	0.1	0.2	0.3	0.5	0.6
FLEX			50%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Leysdown

Area: SPN

Postcode: ME12 4NA

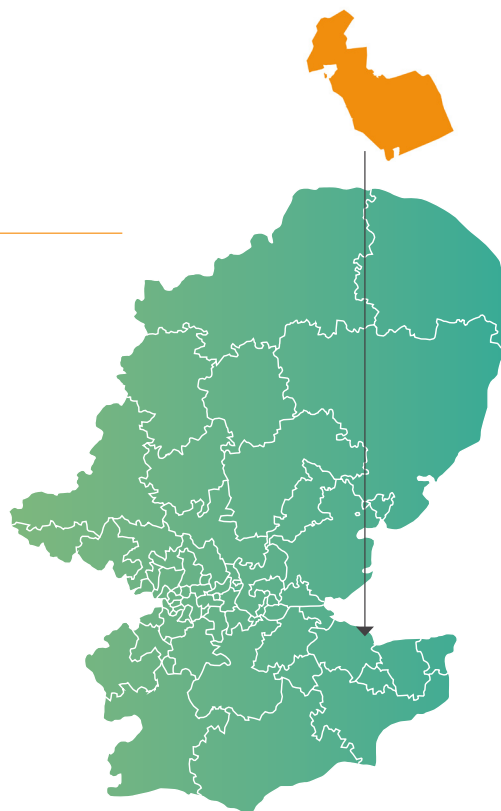
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer
- Install an additional transformer
- Replace the 6.6 kV switchgear
- Increase the capacity of the 33 kV circuits.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £181,300 - £286,900
Customers served 1,068	Current status Flexibility procurement	Local authority Swale

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.4	0.5	0.5	0.6	0.6
HT	0.3	0.3	0.3	0.3	0.3
Min	0.2	0.2	0.2	0.2	0.2
Max	0.4	0.5	0.5	0.6	0.6
FLEX	>100%	<10%	<10%		

Key:



Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Little Chart

Area: SPN

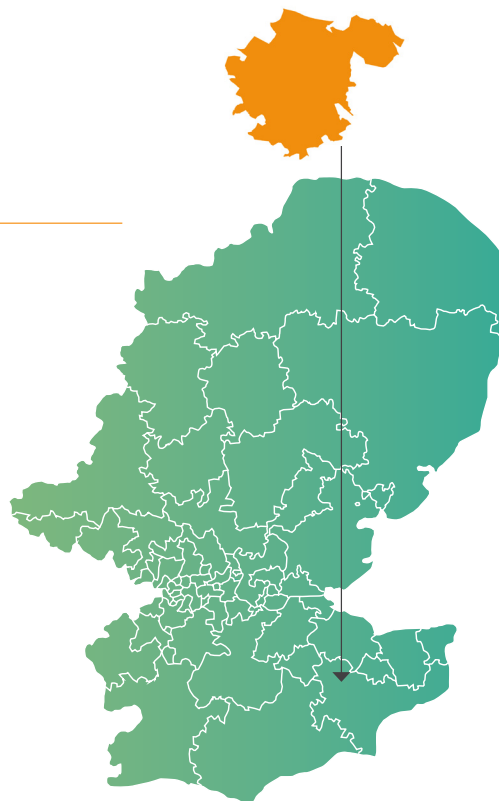
Postcode: TN27 0PS

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the existing transformers.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2029	Flex revenue range £/MW
Customers served 2,990	Current status Signposting	Local authority Ashford

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			0.1	0.5	1.0
HT					0.1
Min					
Max			0.2	0.5	0.9
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Ripe

Area: SPN

Postcode: BN8 6AY

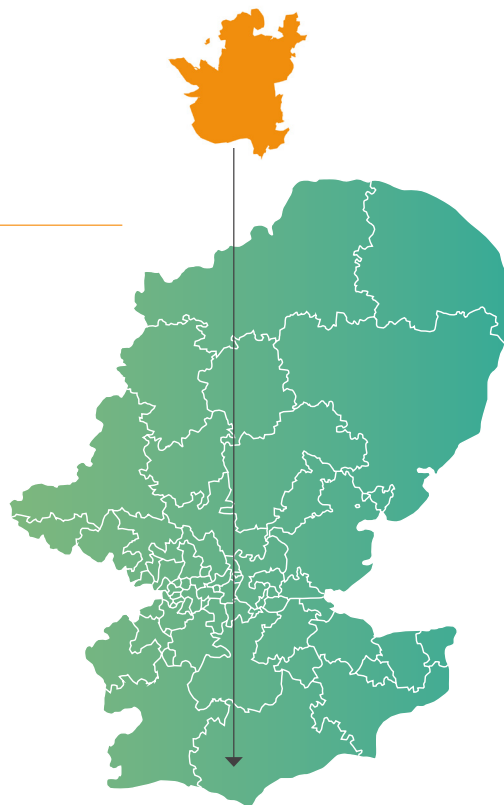
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer
- Replace the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £18,000 - £26,500
Customers served 2,043	Current status Flexibility procurement	Local authority Wealden

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	3.3	3.5	3.7	3.9	3.7
HT	3.2	3.3	3.5	3.6	3.7
Min	2.9	3.0	2.9	2.9	3.0
Max	3.4	3.6	3.8	4.0	4.1
FLEX	<10%	<10%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Sevington

Area: SPN

Postcode: TN24 0HT

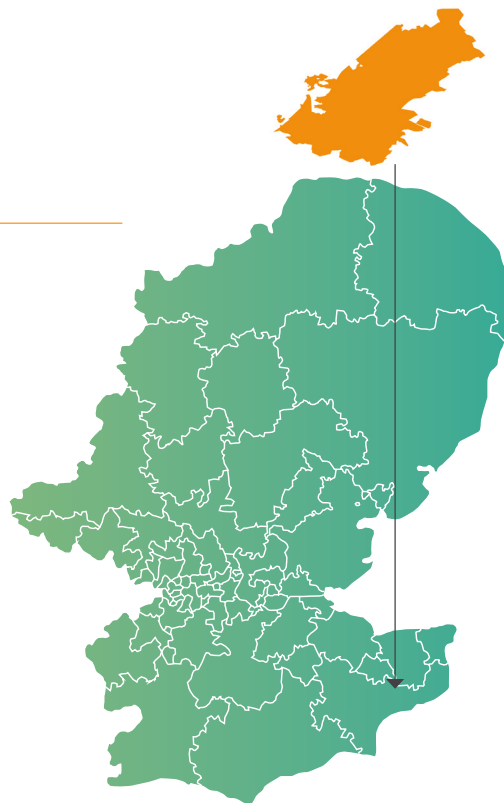
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer and switchgear capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install a 33 kV switchboard
- Install a third 33/11 kV transformer
- Extend 11 kV board extension.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2026	Flex revenue range £/MW £27,200 - £36,900
Customers served 9,232	Current status Flexibility procurement	Local authority Ashford

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	1.0	1.5	2.1	2.4	2.8
HT		0.2	0.5	0.6	0.8
Min					
Max	1.1	1.7	2.4	2.8	3.1
FLEX			80%		

Key:



Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Sittingbourne Town

Area: SPN

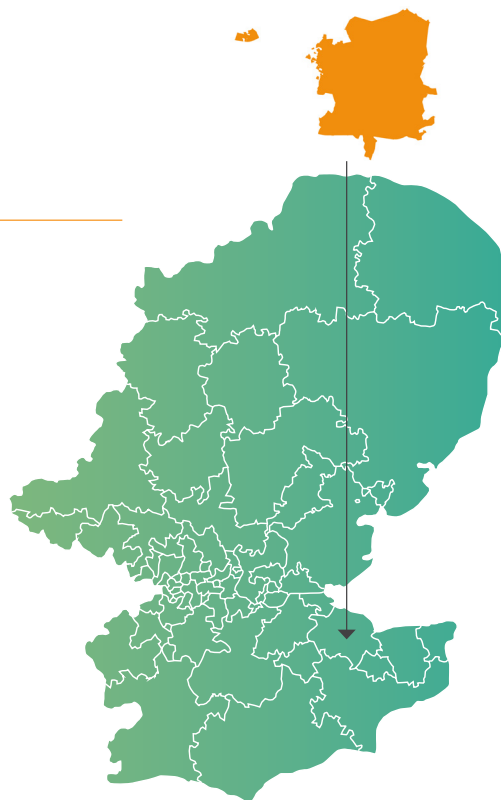
Postcode: ME10 3NN

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited circuit capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to rebuild a dual overhead circuit.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2030	Flex revenue range £/MW
Customers served 8,181	Current status Signposting	Local authority Swale

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	1.2	1.7	2.1	2.4	2.7
HT					
Min					
Max					
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Smeeth

Area: SPN

Postcode: TN25 6SY

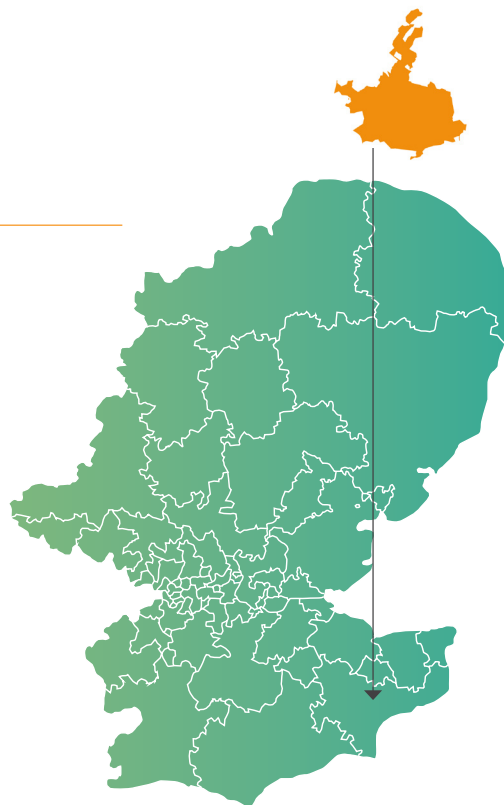
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer
- Install a second transformer
- Replace the 11 kV switchgear.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Summer	Constraint year 2025	Flex revenue range £/MW £166,700 - £239,200
Customers served 444	Current status Flexibility procurement	Local authority Ashford

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.5	0.5	0.5	0.5	0.6
HT	0.5	0.5	0.5	0.5	0.5
Min	0.5	0.5	0.5	0.5	0.5
Max	0.5	0.5	0.5	0.5	0.6
FLEX	60%	60%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

St Helier

Area: SPN

Postcode: SM1 3TY

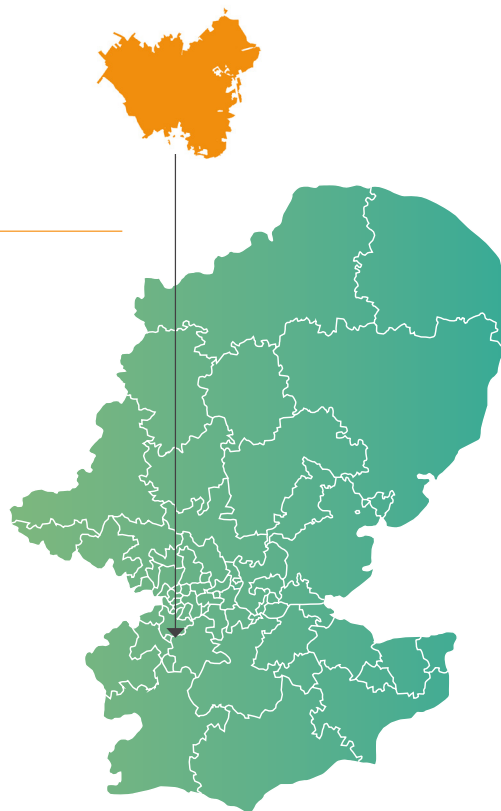
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformer
- Replace the 11 kV switchgear
- Increase the capacity of the 33 kV circuits.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £77,700 - £105,000
Customers served 18,110	Current status Flexibility procurement	Local authority Sutton

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028
					

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			0.8	1.6	2.6
HT	0.5	0.9	1.1	2.4	3.4
Min					
Max	1.8	2.7	3.4	5.0	6.2
FLEX	>100%	>100%	30%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Sutton B

Area: SPN

Postcode: SM1 4SL

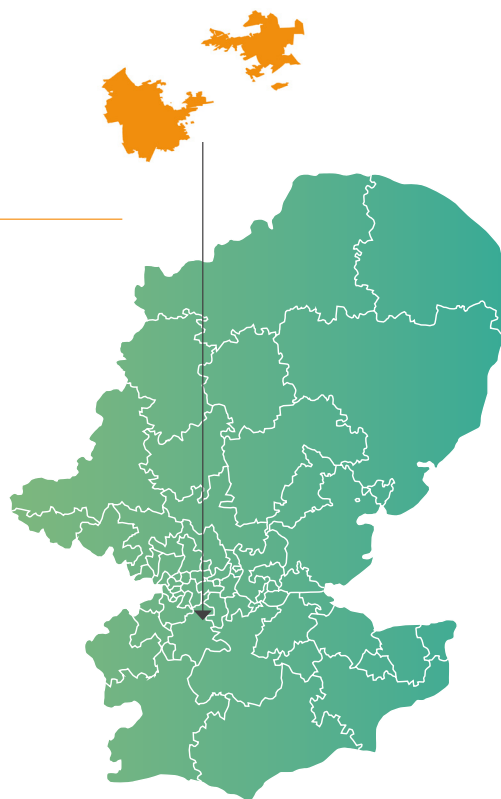
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited switchgear capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the panel boards at Sutton A
- Replace the distribution RMUs.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £31,500 - £39,000
Customers served 15,960	Current status Flexibility procurement	Local authority Sutton

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)			0.3	1.1	2.0
HT	0.3	0.9	1.3	2.6	3.7
Min					
Max	1.2	2.2	3.1	4.8	6.0
FLEX			20%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Tunbridge Wells Group

Area: SPN

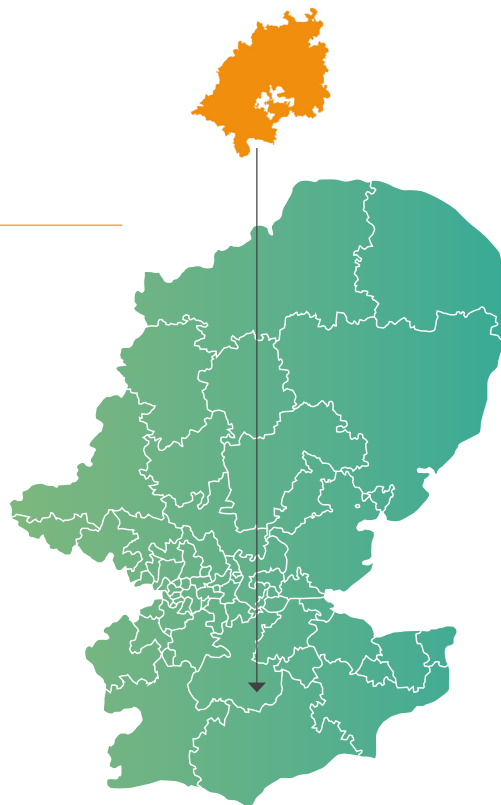
Postcode: TN2 3GG

Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited circuit capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is to replace the 132 kV conductors in the existing circuits.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2025	Flex revenue range £/MW £12,100 - £23,100
Customers served 15,539	Current status Flexibility procurement	Local authority Tunbridge Wells

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	16.9	20.6	25.4	28.3	30.9
HT	8.0	9.6	11.4	12.2	13.1
Min	0.9	0.15		0.1	
Max	14.9	19.1	23.4	26.3	29.3
FLEX			30%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

West Weybridge

Area: SPN

Postcode: KT15 3AS

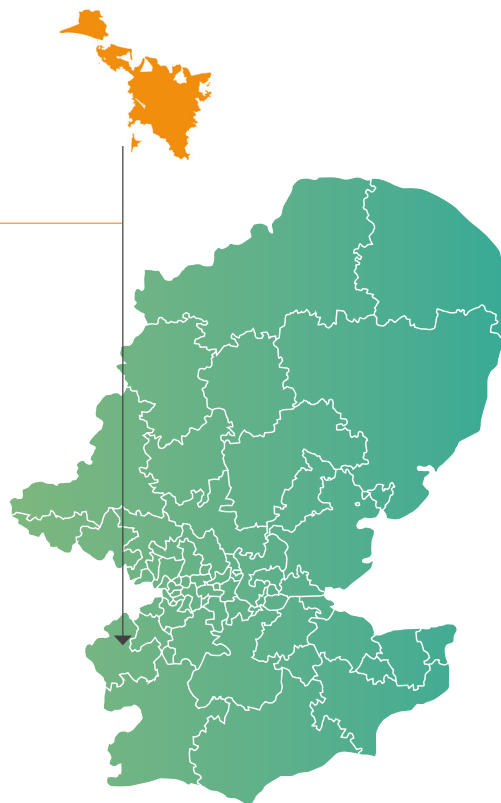
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install a 132 kV circuit
- Extend the 11 kV switchgear panel
- Install a grid transformer
- Extend the 33 kV switchgear panel.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £14,100 - £23,800
Customers served 14,463	Current status Flexibility procurement	Local authority Runnymede Surrey Heath

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	8.1	0.6	3.2	4.6	5.4
HT	4.8			0.2	0.8
Min	0.4				
Max	7.2	0.4	3.3	4.9	5.9
FLEX	30%				

Key:

Signposting	Reinforcement	Flexibility

Legend: CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Warehorne

Area: SPN

Postcode: TN26 2JX

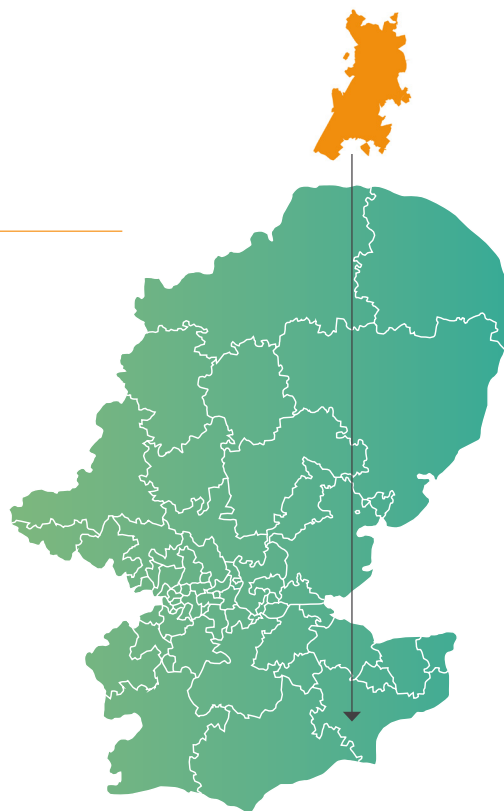
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install an additional transformer
- Replace the 11 kV switchgear
- Install the 33 kV circuit.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2029	Flex revenue range £/MW
Customers served 1,736	Current status Signposting	Local authority Ashford Folkestone and Hythe

Approved DNOA recommendation:



The latest load forecasts have postponed the needs to years 3 to 5. We will award flexibility proactively and monitor the updated forecast.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)		0.1	0.4	0.6	1.0
HT					0.2
Min					
Max					
FLEX					

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Warehorne Group

Area: SPN

Postcode: Mixed

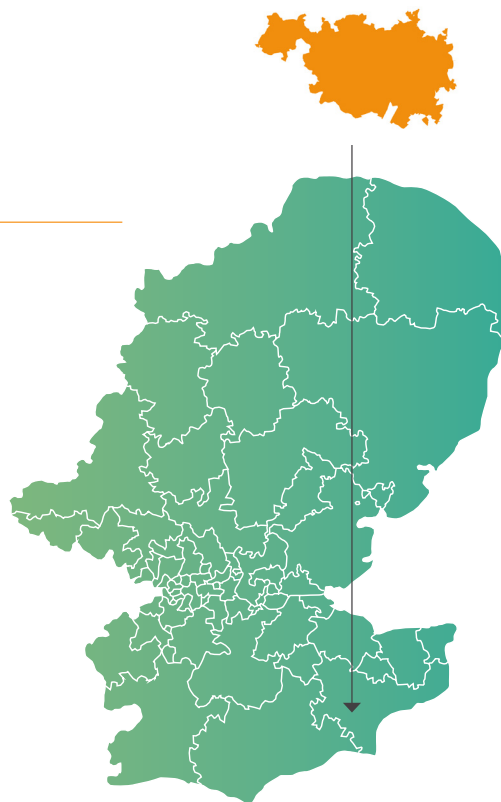
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited circuit capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Install an additional transformer
- Replace the 11 kV switchgear
- Increase the capacity of the 33 kV circuit.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £8,300 - £13,000
Customers served 11,030	Current status Flexibility procurement	Local authority N/A

Approved DNOA recommendation:



We were not able to procure sufficient flexibility for the first year through our Autumn 2024 flexibility tender. The procured flexibility will reduce the need to a level that can be managed via network adjustment. We aim to procure more flexibility in the upcoming tender events.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	8.3	8.7	9.9	11.1	12.5
HT	6.7	6.7	7.1	7.5	8.3
Min	6.3	5.9	5.6	5.5	5.5
Max	7.7	8.5	9.3	10.4	11.4
FLEX	40%	40%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

Wittersham

Area: SPN

Postcode: TN30 7HG

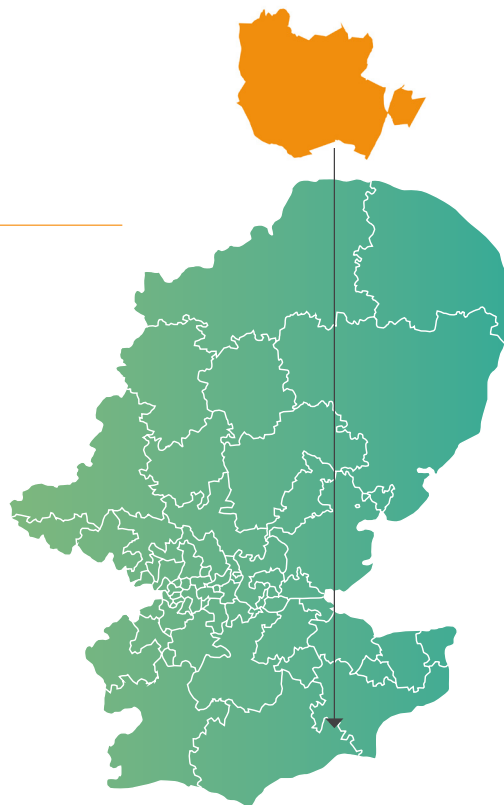
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited interconnection capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformers
- Replace the 6.6 kV switchgear
- Increase the capacity of the 33 kV circuit.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter/Summer	Constraint year 2025	Flex revenue range £/MW £70,000 - £104,200
Customers served 1,045	Current status Flexibility procurement	Local authority Ashford

Approved DNOA recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNOA result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	1.0	1.1	1.1	1.2	1.3
HT	1.0	1.0	1.0	1.0	1.0
Min	1.0	1.0	1.0	1.0	1.0
Max	1.1	1.1	1.1	1.2	1.2
FLEX	20%	20%	<10%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024
HT: Holistic Transition FLEX: Flexibility Procurement Progress

Wrotham

Area: SPN

Postcode: TN15 7RR

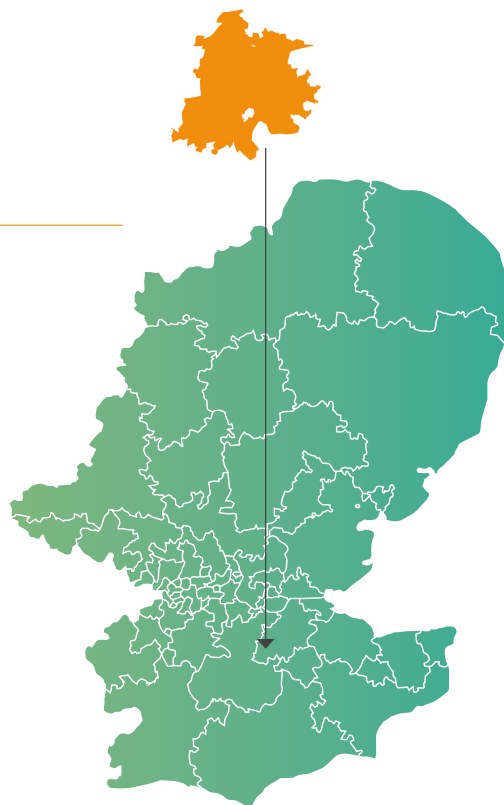
Constraint description:

The site is expected to be overloaded under an N-1 outage condition due to limited transformer capacity.

Traditional solution:

In order to increase capacity at the site the traditional solution is:

- Replace the existing transformers
- Replace the 11 kV switchgear
- Increase the capacity of the 33 kV circuit.



The maps are for indicative purposes. Please use the postcodes for accurate location information.

Constraint season Winter	Constraint year 2026	Flex revenue range £/MW £68,700 - £142,900
Customers served 7,966	Current status Flexibility procurement	Local authority Tonbridge and Malling

Approved DNO recommendation:



We have partially fulfilled the system needs through our Autumn 2024 flexibility tender. We will continue procuring flexibility in the next events to fulfil the system needs.

DNO result history:

2023	2024	2025	2026	2027	2028

Flex requirement per year for each scenario (MW) and flex procurement progress (%)

	2025/ 2026	2026/ 2027	2027/ 2028	2028/ 2029	2029/ 2030
CT (old DFES)	0.7	1.6	2.8	3.8	4.9
HT		0.3	0.9	1.5	2.3
Min					
Max	0.8	1.6	2.6	3.6	4.6
FLEX		>100%	50%		

Key:



Signposting



Reinforcement



Flexibility

Legend:

CT: Consumer Transformer from DFES 2024

HT: Holistic Transition FLEX: Flexibility Procurement Progress

CHAPTER 02

List of removed sites

In the table below we present a list of sites that had identified needs in the previous DNOA publication, however we did not include them in this annual cycle. This can be either because the network demand has reduced or because reinforcement work has increased the capacity of the network and the need is resolved.

Area	Site/Name	DNOA 2025 Removal Reasoning
EPN	Aylesbury East Group	Updated forecast
EPN	East Enfield	Updated forecast
EPN	Halesworth	Updated forecast
EPN	Hilton	Updated forecast
EPN	Rainbow Lane	Updated forecast
EPN	Rickmansworth	Updated forecast
EPN	St Anthony St	Updated forecast
EPN	Trowse Grid	Updated forecast
EPN	Uplands Park	Updated forecast
EPN	Wisbech Railway	Updated forecast
EPN	Worstead	Updated forecast

Area	Site/Name	DNOA 2025 Removal Reasoning
LPN	Lithos Road	Need appears after 3 years so we will likely include in DNOA 2026
LPN	Whiston Road	Constraint resolved
SPN	Barming	Updated forecast
SPN	Capel	Updated forecast
SPN	Cobham	Updated forecast
SPN	Croydon B	Updated forecast
SPN	Edenbridge	Updated forecast
SPN	Hurstpierpoint	Updated forecast
SPN	Medway Grid	Updated forecast
SPN	Steel Cross	Updated forecast
SPN	Wingham	Updated forecast

CHAPTER 03

EHV/HV Signposting sites

In the table below we provide a list of substations where needs are expected to materialise in the next five years and are likely to be included in the next DNOA cycles.

Licence Area	Site/Name	Postcode
EPN	Alresford	CO7 8DG
	Amptill	MK45 2BQ
	Arbury	CB4 2QT
	Basildon	SS16 4NW
	Broxbourne	EN10 6QS
	Bury Grid	IP33 2AX
	Bury St	N9 9LD
	Central Tottenham	N15 5ER
	Chaul End	LU4 8EY
	Cheddington	LU7 9DY
	Cherry Tree	RM8 3LE
	Cromer	NR27 9LW
	Diss Grid	IP22 4AU
	Grays	RM17 6NF
	Halstead	CO9 1LH

Licence Area	Site/Name	Postcode
EPN	High Street	CM14 4XN
	Hilton	CB23 4JB
	Ilmer Grid	HP27 9QX
	Long Road	NR33 9DF
	Luton St Marys	LU1 3JJ
	Manton Lane	MK41 7PX
	March Grid	PE15 9RH
	Ongar	CM5 9BU
	Playfield	IP33 3DJ
	South Chingford	E4 9TB
	Stowmarket Grid	IP6 8RS
	Tiptree	CO5 0LG
	Trowse Grid	NR14 8SL
	Watsons Rd	N22 8HR
	Welwyn Grid	AL7 4SR



Licence Area	Site/Name	Postcode
LPN	Bankside D	SE1 9TG
	Bengeworth Road	SE5 9AJ
	Brixton	SW9 7QF
	Eltham Grid	SE9 2RE
	Eltham High Street	SE9 1TS
	Exeter Road	E17 7TA
	Glaucus Street	E3 3QH
	Hatchard Road	N19 4NY
	Lithos Road	NW3 6ES
	Redbridge Supergrid	IG4
	Sewell Road	SE2
	Verney Road	SE16 3DH
	Waterloo Road	E10 7HU
	Winlaton	BR1 5PZ
SPN	Addington Grid	CR0 9HY
	Addington Local	CR0 5AR
	Angmering	BN16 3AA
	Ashford Ruckinge Group	TN23 7HQ
	Aylesford	ME20 7JH

Licence Area	Site/Name	Postcode
SPN	Croydon B	CR0 3RL
	Goddards Green	BN6 9LD
	Gravesend South	DA11 8NZ
	Kingston	KT2 5UT
	Little Chart	TN27 0PS
	Norbury	SW16 4RE
	North Cheam	KT4 8TF
	Rainham	ME8 0PR
	Rosherville	DA11 9LN
	Shirley	CR0 8TE
	Sittingbourne Grid	ME9 8BX
	Sittingbourne Town	ME10 3NN
	St Helier	SM1 3TY
	Staplehurst	TN12 0SU
	Surbiton	KT5 9AL
	Sutton A	SM1 4SL
	Sutton Grid	SM1 4SL
	Warehorne	TN26 2JX



CHAPTER 03

Whole Systems Use Cases

As we mention in the DNOA Methodology document, our role as a DSO is to coordinate effectively with other sectors within the whole electricity system. This coordinated approach aims to support the efficient use of existing network capacity across distribution and transmission networks and identify opportunities for whole system solutions to be developed and delivered for the benefit of all GB consumers.

In this DNOA report document, we include an update on our MW Dispatch solution and the West London capacity release works.

MW Dispatch solution ²

We're collaborating with National Energy System Operator (NESO) to assist them in managing their network while enabling our Distributed Energy Resources (DERs) customers to earn new revenue streams by opening them up to NESO market.

This is one of the first industry implementations of this kind that addresses Transmission-Distribution coordination and Whole System approach.

MW Dispatch solution integrates the DER assets to the Control centres at UK Power Networks and NESO using advanced cloud and Web API based technologies.

Through coordination and data exchange between NESO and UK Power Networks control rooms, the project will enable NESO's Control room to reduce excess generation from the network at the time of transmission system constraint, by instructing the UK Power Networks solution which will dispatch the available DERs.

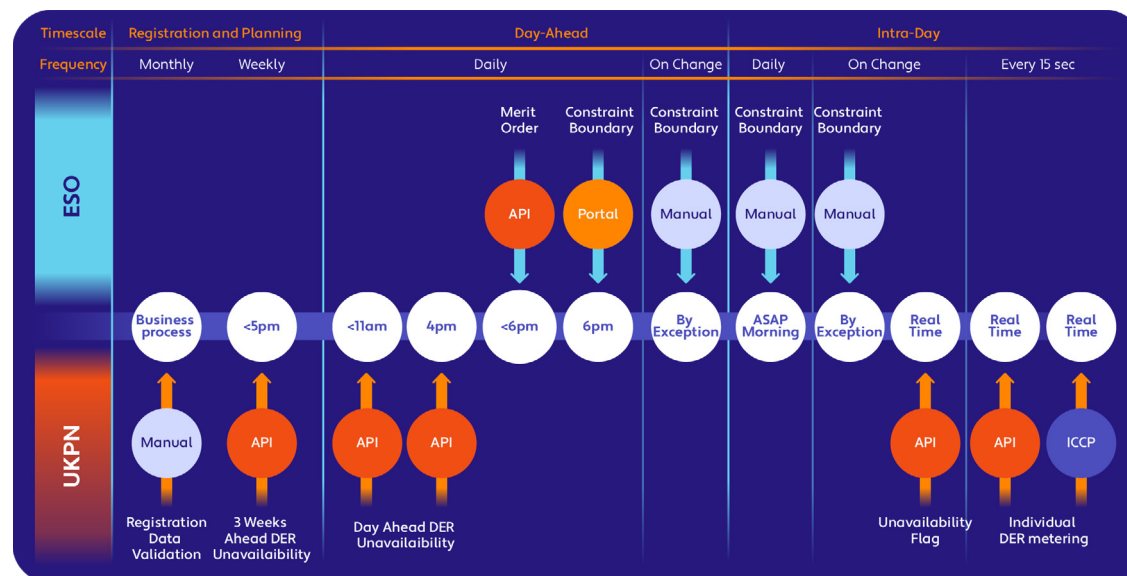
The added benefit is that this solution enables customers to receive constraint payments for the electricity they would have otherwise generated. This will, in turn, provide a cheaper alternative to the existing constraint management process used within the balancing mechanism, helping to reduce the whole system costs benefitting the bill payers.

Historically, coordination was achieved by slow and cumbersome methods, such as telephone calls and manual actions. With this solution, high response speeds and automation can be possible for more efficient use of the network.

² <https://dso.ukpowernetworks.co.uk/mw-dispatch>

Initial customer projects with generation and battery assets have already been onboarded. The technical solution delivery has been completed in

2024. Additionally, a trial test run was successfully completed at the second part of the year. The solution went live in March 2025.



West London

The purpose of Willesden Grid flexibility procurement is to temporarily create capacity at Willesden Grid Supply Point in West London. This will mitigate connection delays experienced by customers within SSEN's region until it can be reduced from 2028 as NGET and SSEN construction provides additional capacity. The 25MVA of flexibility are part of a collection of interventions in the West London area to release capacity close to 200 MVA.

Other interventions to release capacity are load transfers and reinforcement of substations (Kimberley and Gibbons Rd). So far 10MVA have been released.

This was achieved by transferring existing demand from Willesden 66kV to Willesden 132kV. Substation reinforcements are forecasted to be completed in the next 2-3 years and will be reassessed annually alongside the procurement of flexibility.

If the full flexibility is not procured, then the DNO has an option to accelerate the construction of the reinforcement works at both Gibbon's Road and Willesden. The DNOA will review the PLE output for this area and should capacity fall short of what is required then we will reprofile delivery.

CHAPTER 04

LV Demand Results

In this chapter we present the detailed reports for the results of the DNOA process of the EHV/HV generation sites.

CHAPTER 04

LV Demand Results

In the table below, we present the results of the DNOA process for the LV demand sites for this year. More information can be found at UK Power Networks DSO website, in the flexibility hub section³.

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	A14 Bar Hill Padmount	2025	200	0	Procure more flex in future tender events
	Abbeyfields-Bishops Stortford	2027	800	0	Procure more flex in future tender events
	Admirals Way-Hethersett	2026	800	0	Procure more flex in future tender events
	Aldham Rd	2026	500	0	Procure more flex in future tender events
	Alexandra Rd Waking	2026	800	0	Procure more flex in future tender events
	Anglefield Rd	2026	800	0	Procure more flex in future tender events
	Applecross Wk	2027	500	0	Procure more flex in future tender events
	Argyle Rd-Harrow Ha1	2027	800	0	Procure more flex in future tender events
	Arundel Way	2025	1000	20	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Ash Gv-Chelmsford	2026	800	0	Procure more flex in future tender events
	Aylward Dr	2027	800	0	Procure more flex in future tender events
	Back To Back	2025	200	0	Procure more flex in future tender events
	Ballands Field	2025	800	14	Procure more flex in future tender events
	Barbara Av	2026	800	0	Procure more flex in future tender events
	Beauchamp Cl	2026	500	0	Procure more flex in future tender events
	Bee Primary 33/11Kv Local Pad	2027	200	0	Procure more flex in future tender events
	Berkeley Nursery	2027	200	0	Procure more flex in future tender events
	Billingsfield Cottages	2025	500	0	Procure more flex in future tender events

³ Tender Hub - UKPN DSO (<https://dso.ukpowernetworks.co.uk/flexibility/tender-hub>)



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Birch Rd Layer	2025	315	0	Procure more flex in future tender events
	Bishopscroft	2025	800	0	Procure more flex in future tender events
	Blois Rd	2027	800	0	Procure more flex in future tender events
	Boat Yard	2027	200	0	Procure more flex in future tender events
	Boby Rd	2027	500	0	Procure more flex in future tender events
	Bonham Rd	2026	800	0	Procure more flex in future tender events
	Bourne End Rd	2025	200	0	Procure more flex in future tender events
	Bowls Pavilion	2025	200	0	Procure more flex in future tender events
	Bracecamp Cl	2027	500	0	Procure more flex in future tender events
	Brackett	2025	315	0	Procure more flex in future tender events
	Braemar Cres	2027	800	0	Procure more flex in future tender events
	Bramley Rd	2027	800	0	Procure more flex in future tender events
	Brewers End	2027	200	0	Procure more flex in future tender events
	Bridge- West Stow	2027	200	0	Procure more flex in future tender events
	Bridgedown Golf Ps	2025	200	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Broad oak Av	2027	800	0	Procure more flex in future tender events
	Brooke Ln	2025	500	0	Procure more flex in future tender events
	Broomstick Cnr	2027	315	0	Procure more flex in future tender events
	Brownfields No 2	2027	800	0	Procure more flex in future tender events
	Browning Pl	2027	500	0	Procure more flex in future tender events
	Brunswick Pl	2027	500	0	Procure more flex in future tender events
	Burgundy	2027	500	0	Procure more flex in future tender events
	Burns Cl- Peterborough Pe1	2027	1315	0	Procure more flex in future tender events
	Bury St Ruislip	2027	500	0	Procure more flex in future tender events
	Bushey Hall Tech	2027	500	0	Procure more flex in future tender events
	Butts End	2027	800	0	Procure more flex in future tender events
	Car Park- Filby	2027	315	0	Procure more flex in future tender events
	Caraway Rd- Fulbourn	2027	500	10	Sufficient flexibility procured
	Carey Rd	2027	1000	0	Procure more flex in future tender events
	Carter Rd- Drayton	2027	500	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Cathodeon Crystals	2025	800	12	Procure more flex in future tender events
	Cattle Market-Kings Lynn	2027	500	0	Procure more flex in future tender events
	Cavalry Playing Field	2026	800	0	Procure more flex in future tender events
	Cedar Dr-Hullbridge	2025	1000	0	Procure more flex in future tender events
	Chalet- Welwyn	2025	1000	0	Procure more flex in future tender events
	Chalkney House	2027	315	10	Sufficient flexibility procured
	Chaney Rd	2027	500	0	Procure more flex in future tender events
	Chelmer Rd-Witham	2026	500	0	Procure more flex in future tender events
	Chepstow CI	2027	500	0	Procure more flex in future tender events
	Cherry Bounce	2027	500	0	Procure more flex in future tender events
	Chestnut Fm-Bressingham	2026	315	0	Procure more flex in future tender events
	Chevington PI	2027	500	0	Procure more flex in future tender events
	Chilton Way West	2026	1000	0	Procure more flex in future tender events
	Christchurch Street	2025	800	0	Procure more flex in future tender events
	Church Ln- Thorley	2025	315	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Church Road Ps	2025	200	0	Procure more flex in future tender events
	Clements Hall Ln	2027	800	0	Procure more flex in future tender events
	Clitterhouse Rd	2026	2000	0	Procure more flex in future tender events
	Constable Ave West	2027	800	0	Procure more flex in future tender events
	Coral Dr	2027	800	0	Procure more flex in future tender events
	Corfe Av	2027	800	0	Procure more flex in future tender events
	Cory Environmental	2026	200	0	Procure more flex in future tender events
	Crawley CI	2026	1000	0	Procure more flex in future tender events
	Creeting Road	2027	315	0	Procure more flex in future tender events
	Cromwell Pk-Chatteris	2025	800	0	Procure more flex in future tender events
	Crosspaths	2027	1000	10	Sufficient flexibility procured
	Crown Grn	2027	200	0	Procure more flex in future tender events
	Culverdown	2026	500	0	Procure more flex in future tender events
	Culvers Nursery	2025	315	0	Procure more flex in future tender events
	Cumberland Av 122	2025	1000	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Cunningham Avenue	2026	1500	0	Procure more flex in future tender events
	Curthwaite Gdns	2027	800	0	Procure more flex in future tender events
	Daiglen Dr North	2026	800	0	Procure more flex in future tender events
	Dairy Crest Selinas Ln	2025	800	0	Procure more flex in future tender events
	Dam Fm	2027	800	0	Procure more flex in future tender events
	Darwin Rd-Ipswich	2027	1315	0	Procure more flex in future tender events
	Davidson Gdns	2026	500	0	Procure more flex in future tender events
	Davis Rd	2027	1000	0	Procure more flex in future tender events
	Dell	2025	200	0	Procure more flex in future tender events
	Devizes Av	2027	500	0	Procure more flex in future tender events
	Doctors Housing Bas Hosp	2025	315	0	Procure more flex in future tender events
	Downer Rd North	2027	800	0	Procure more flex in future tender events
	Drake Rd Underpass	2027	500	0	Procure more flex in future tender events
	Dukesmead Caravan Site	2027	800	0	Procure more flex in future tender events
	Dunmow Primary Local	2026	200	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Dunsham Ln	2025	800	0	Procure more flex in future tender events
	Eagle Cl- Luton West	2026	1000	0	Procure more flex in future tender events
	Earith Rd-Willingham	2027	800	0	Procure more flex in future tender events
	Earl Howe Rd	2027	800	0	Procure more flex in future tender events
	East Mercia Est	2025	800	0	Procure more flex in future tender events
	East St- South Stifford	2025	800	0	Procure more flex in future tender events
	Eastwood Dr-Colchester	2025	500	0	Procure more flex in future tender events
	Edgehill Manor	2025	200	0	Procure more flex in future tender events
	Eighth Av	2026	800	0	Procure more flex in future tender events
	Elm Laundry	2026	800	0	Procure more flex in future tender events
	Elycroft	2027	800	0	Procure more flex in future tender events
	Empire House	2027	800	0	Procure more flex in future tender events
	Enterprise 2000	2027	500	0	Procure more flex in future tender events
	Fairfield Way	2027	800	0	Procure more flex in future tender events
	Felmongers	2026	800	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Fen Lane	2025	200	0	Procure more flex in future tender events
	Field House Farm	2025	200	0	Procure more flex in future tender events
	Fields End	2027	500	0	Procure more flex in future tender events
	Finchams Cl	2026	800	10	Procure more flex in future tender events
	Flitt Leys Close	2027	315	0	Procure more flex in future tender events
	Flowerpot Ln	2027	500	0	Procure more flex in future tender events
	Furrowfields Way	2027	500	0	Procure more flex in future tender events
	Gainsborough Dr- Halesworth	2026	500	0	Procure more flex in future tender events
	Gainsborough Dr- Lawford	2027	800	0	Procure more flex in future tender events
	Goffsmill	2027	800	0	Procure more flex in future tender events
	Goldhanger Cross	2027	800	0	Procure more flex in future tender events
	Goldington Grn	2027	800	10	Sufficient flexibility procured
	Grange Fm H E	2027	800	0	Procure more flex in future tender events
	Grasmere Av- Hullbridge	2027	500	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Grays Court	2027	800	0	Procure more flex in future tender events
	Great Hornead Bury	2025	200	0	Procure more flex in future tender events
	Greenhaze Ln	2025	800	0	Procure more flex in future tender events
	Grenville Way- Thame	2027	500	0	Procure more flex in future tender events
	Hainault Av Primary Local Pad 2	2027	315	0	Procure more flex in future tender events
	Hale Cl	2027	500	10	Sufficient flexibility procured
	Hall Fm	2025	200	0	Procure more flex in future tender events
	Hallet Road	2026	800	0	Procure more flex in future tender events
	Hallfield Fm	2025	315	0	Procure more flex in future tender events
	Harrowden Primary Local Pad	2027	200	0	Procure more flex in future tender events
	Hartford Rd- Huntingdon	2026	1500	0	Procure more flex in future tender events
	Haskard Rd	2026	800	0	Procure more flex in future tender events
	Hayling Cl	2025	800	0	Procure more flex in future tender events
	Heath Fm Buildings	2025	200	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Heathcote Garden	2027	1315	10	Procure more flex in future tender events
	Helen Cl	2027	800	0	Procure more flex in future tender events
	Henson Rd	2027	1000	0	Procure more flex in future tender events
	Herns Way Mast	2025	200	0	Procure more flex in future tender events
	Hertford Rd Ro 19	2026	800	0	Procure more flex in future tender events
	Hgv Test Centre	2025	200	0	Procure more flex in future tender events
	High Oaks	2027	1315	14	Procure more flex in future tender events
	High Rd Hockley	2027	500	0	Procure more flex in future tender events
	Highwood Grange	2026	500	0	Procure more flex in future tender events
	Hillcroft Cres 184	2027	800	10	Sufficient flexibility procured
	Hillesden Ave	2026	500	0	Procure more flex in future tender events
	Hillside Rd-Northwood	2026	800	0	Procure more flex in future tender events
	Hilltop Rd	2025	800	0	Procure more flex in future tender events
	Hitchin Rd- Arlesey	2027	500	10	Sufficient flexibility procured
	Hollow Rd- Bury St Edmunds	2025	200	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Holly Cl-Biggleswade	2027	500	0	Procure more flex in future tender events
	Honey Lane	2027	800	0	Procure more flex in future tender events
	Honeybourne	2027	800	0	Procure more flex in future tender events
	Hornbeam Spring-Knebworth	2025	315	0	Procure more flex in future tender events
	Horsebeck Way	2026	500	0	Procure more flex in future tender events
	Housing Sharpenhoe	2027	200	0	Procure more flex in future tender events
	Hullbridge Rd South	2027	800	0	Procure more flex in future tender events
	Jenyns School	2025	200	0	Procure more flex in future tender events
	Keeley Grn	2025	500	0	Procure more flex in future tender events
	Kelling Rd Est	2027	500	0	Procure more flex in future tender events
	Kempson Roundabout	2027	315	0	Procure more flex in future tender events
	Kempson Way	2026	800	0	Procure more flex in future tender events
	Kenninghall West	2026	315	0	Procure more flex in future tender events
	Kenton Primary Local Pad	2025	200	0	Procure more flex in future tender events
	Kesgrave Social Club	2025	315	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Kestral Dr	2025	800	0	Procure more flex in future tender events
	Kestrel Gv 30	2027	800	0	Procure more flex in future tender events
	Kilsmore	2026	800	0	Procure more flex in future tender events
	King George V1 Ave	2027	500	0	Procure more flex in future tender events
	Kings Loke Caravan Pk	2025	200	0	Procure more flex in future tender events
	Kings Rd- Holt	2027	500	0	Procure more flex in future tender events
	Kingsfield S/S	2025	500	0	Procure more flex in future tender events
	Knights Cl	2027	800	16	Sufficient flexibility procured
	Knights Way- Gt Dunmow	2027	800	0	Procure more flex in future tender events
	Lambs Ln- Cottenham	2027	500	0	Procure more flex in future tender events
	Lancer Way	2027	800	10	Sufficient flexibility procured
	Langley Hill	2027	500	0	Procure more flex in future tender events
	Lantree Cres	2025	500	0	Procure more flex in future tender events
	Larkfield Road	2027	500	0	Procure more flex in future tender events
	Lichfield Rd	2026	800	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Little Rose	2026	800	10	Procure more flex in future tender events
	Littlebury Cr	2027	800	0	Procure more flex in future tender events
	Llanover Rd	2025	800	0	Procure more flex in future tender events
	Local	2026	1315	10	Procure more flex in future tender events
	Longfurlong	2026	800	16	Procure more flex in future tender events
	Lt Downham Vill	2026	800	0	Procure more flex in future tender events
	Lufkins Fm- Dedham	2027	200	0	Procure more flex in future tender events
	Lynmouth Dr	2027	800	0	Procure more flex in future tender events
	Main Rd- Boreham	2027	500	0	Procure more flex in future tender events
	Main St- Weston Turville	2026	500	0	Procure more flex in future tender events
	Malt House Farm	2025	200	0	Procure more flex in future tender events
	Mandean Ln	2027	500	0	Procure more flex in future tender events
	Manor Rd Flats	2027	500	0	Procure more flex in future tender events
	Maple Way	2027	800	0	Procure more flex in future tender events
	Mapleton Rd	2027	2500	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Mat Dawson Cl	2027	1000	0	Procure more flex in future tender events
	Meadow Valley	2026	200	0	Procure more flex in future tender events
	Meadowfields	2027	315	0	Procure more flex in future tender events
	Medical Centre	2025	500	0	Procure more flex in future tender events
	Melksham Dr 22	2027	800	0	Procure more flex in future tender events
	Melton Pk- Melton	2027	500	10	Sufficient flexibility procured
	Middle Way-Long Melford	2027	500	0	Procure more flex in future tender events
	Mill Rd	2027	315	0	Procure more flex in future tender events
	Milton Hall Entry Rd P1	2025	200	0	Procure more flex in future tender events
	Monkfield Lane	2026	800	14	Procure more flex in future tender events
	Moore Av- Tilbury	2027	800	0	Procure more flex in future tender events
	Mop End Energis	2025	200	0	Procure more flex in future tender events
	Mount Pk Rd	2025	800	0	Procure more flex in future tender events
	Muirfield Rd	2027	1000	0	Procure more flex in future tender events
	New Bridge Crossing	2027	200	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	New England Irrigation	2025	200	0	Procure more flex in future tender events
	Newcastle Ave	2027	1000	0	Procure more flex in future tender events
	Newlands Rd 35	2027	800	0	Procure more flex in future tender events
	Nicholas Rd-Becontree	2026	800	0	Procure more flex in future tender events
	Norfolk Rd-Maldon	2027	800	0	Procure more flex in future tender events
	Norgate Way	2026	800	0	Procure more flex in future tender events
	North Chase	2026	1000	16	Procure more flex in future tender events
	North Cres Ro 91	2026	800	0	Procure more flex in future tender events
	Northchurch	2025	800	0	Procure more flex in future tender events
	Northfield Rd-Mundesley	2025	500	0	Procure more flex in future tender events
	Nursery Cl-Stevenage	2026	1000	0	Procure more flex in future tender events
	Nutcroft	2027	800	0	Procure more flex in future tender events
	Old Football Club	2027	315	0	Procure more flex in future tender events
	Old Highway	2027	1000	0	Procure more flex in future tender events
	Old Rectory	2027	200	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Orange Sewage Works Mast	2025	315	0	Procure more flex in future tender events
	Orion Court	2026	500	0	Procure more flex in future tender events
	Osbourne Square	2027	800	0	Procure more flex in future tender events
	Park House-Southill	2027	315	0	Procure more flex in future tender events
	Park Rd- Sawston	2026	800	0	Procure more flex in future tender events
	Parklands- Maldon	2027	800	0	Procure more flex in future tender events
	Parsonage Ln-Bishops Stortford	2025	800	0	Procure more flex in future tender events
	Paxfords 57	2027	1315	0	Procure more flex in future tender events
	Pennyfarthings	2026	500	0	Procure more flex in future tender events
	Peveral Cl	2027	1315	10	Procure more flex in future tender events
	Philip Court	2025	200	0	Procure more flex in future tender events
	Plantation Rd-Nth Walsham	2027	800	0	Procure more flex in future tender events
	Plantsman Cl	2027	800	0	Procure more flex in future tender events
	Plovers Way	2025	500	0	Procure more flex in future tender events
	Plumstead Rd Est	2027	1315	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Porlock Av	2027	800	0	Procure more flex in future tender events
	Priory Fm	2027	200	0	Procure more flex in future tender events
	Puller Rd	2027	800	0	Procure more flex in future tender events
	Quay Headings	2025	200	0	Procure more flex in future tender events
	Ranch House	2025	200	0	Procure more flex in future tender events
	Redhill Lane	2026	1000	15	Procure more flex in future tender events
	Renhold Road Lights	2025	200	0	Procure more flex in future tender events
	Rettendon Housing Est	2027	800	0	Procure more flex in future tender events
	Ringland Ln Sw Stn	2027	315	0	Procure more flex in future tender events
	Rochford Av	2027	500	0	Procure more flex in future tender events
	Rosedale Way	2026	1000	0	Procure more flex in future tender events
	Rowden F	2027	200	0	Procure more flex in future tender events
	Rowell Wk	2027	500	10	Sufficient flexibility procured
	Rowhedge Quay	2026	800	0	Procure more flex in future tender events
	Rspb Pump	2025	200	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Russell Rd-Toddington	2026	1000	0	Procure more flex in future tender events
	Rustens Manor Rd	2026	800	0	Procure more flex in future tender events
	Ruston Grove	2027	800	0	Procure more flex in future tender events
	School- Rockland All Saints	2027	315	0	Procure more flex in future tender events
	Sevenoaks CI	2025	500	0	Procure more flex in future tender events
	Sextons Meadows	2027	500	0	Procure more flex in future tender events
	Sheering Rd- Harlow	2025	800	0	Procure more flex in future tender events
	Shenley Lane Switching Station	2025	200	0	Procure more flex in future tender events
	Sherwood Way Garages	2026	800	0	Procure more flex in future tender events
	Sidney Rd	2026	500	0	Procure more flex in future tender events
	Silk Mill Way	2027	500	0	Procure more flex in future tender events
	Silver Hill-Kings Lynn	2027	800	0	Procure more flex in future tender events
	Sishes End	2027	800	0	Procure more flex in future tender events
	Smiths Green	2025	315	0	Procure more flex in future tender events
	South	2026	315	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Southwood Rd	2026	800	0	Procure more flex in future tender events
	St Martins Grn	2027	800	0	Procure more flex in future tender events
	St Mary St	2026	800	0	Procure more flex in future tender events
	Stagsden Rd H/E	2025	1000	12	Procure more flex in future tender events
	Station-Pampisford	2026	200	0	Procure more flex in future tender events
	Stewart CI	2027	500	0	Procure more flex in future tender events
	Steynings Av	2025	800	0	Procure more flex in future tender events
	Stockers Est	2025	800	0	Procure more flex in future tender events
	Stoneyfield Common	2027	800	0	Procure more flex in future tender events
	Surlingham Rd-Surlingham	2027	315	0	Procure more flex in future tender events
	Sutton Rd	2025	315	0	Procure more flex in future tender events
	Swallow Way	2027	500	0	Procure more flex in future tender events
	Swallowfields-Carlton Colville	2026	800	10	Procure more flex in future tender events
	Telford Way	2027	500	0	Procure more flex in future tender events
	Tendring Ave Opp No35	2026	1000	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	The Cross Local Tx	2025	200	0	Procure more flex in future tender events
	The Ferry Project	2026	315	0	Procure more flex in future tender events
	The Slades	2027	500	0	Procure more flex in future tender events
	The St	2027	315	0	Procure more flex in future tender events
	The Street-Bramerton	2027	200	0	Procure more flex in future tender events
	Thetford Road	2025	200	0	Procure more flex in future tender events
	Thrigby Ln	2027	200	0	Procure more flex in future tender events
	Tollgate Fm- Great Blakenham	2027	800	0	Procure more flex in future tender events
	Towgood Way	2026	800	20	Sufficient flexibility procured
	Tudor Dr	2026	800	0	Procure more flex in future tender events
	Turnpike Cnr- Rettendon	2025	200	0	Procure more flex in future tender events
	Turpins Cl	2026	800	0	Procure more flex in future tender events
	Twigdens Housing	2026	1000	26	Procure more flex in future tender events
	Valley Farm Offices	2025	200	0	Procure more flex in future tender events
	Village-Brandeston	2027	315	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
EPN	Visonic	2025	500	0	Procure more flex in future tender events
	Waldemar Av	2025	800	0	Procure more flex in future tender events
	War Memorial-Great Witchingham	2027	800	0	Procure more flex in future tender events
	Warwick Cl-Thundersley	2027	500	0	Procure more flex in future tender events
	Water Ln- Stansted Mountfitchet	2027	800	0	Procure more flex in future tender events
	Wennington New	2027	200	0	Procure more flex in future tender events
	West Dr- Caldecote	2026	500	0	Procure more flex in future tender events
	Whiteheath Ave	2025	500	0	Procure more flex in future tender events
	Widmore Dr	2026	1315	0	Procure more flex in future tender events
	Wilberforce Rd- Norwich	2027	500	0	Procure more flex in future tender events
	Woodlands Rd- Costessey	2025	800	0	Procure more flex in future tender events
LPN	Ada St West	2025	800	0	Procure more flex in future tender events
	Ann St North	2027	1000	0	Procure more flex in future tender events
	Bastable Ave Adj 174	2027	1000	0	Procure more flex in future tender events
	Camberwell New Rd Bus Garage	2025	1315	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
LPN	Cleveland Gdns Hallfield Est	2025	800	0	Procure more flex in future tender events
	Huddlestone Rd	2025	800	0	Procure more flex in future tender events
	Manor Rd R/O 134	2027	1000	0	Procure more flex in future tender events
	Maria Terr Opp 10	2025	800	0	Procure more flex in future tender events
	Park Parade Willows Yd	2025	1315	0	Procure more flex in future tender events
	Parkside Rd	2026	1800	0	Procure more flex in future tender events
	Poplars Rd	2025	800	0	Procure more flex in future tender events
	St Michaels Rd	2027	1315	0	Procure more flex in future tender events
	Station Rd Elgar Tel Exch	2025	800	0	Procure more flex in future tender events
	Temple Hill Sq	2025	1315	0	Procure more flex in future tender events
	Wavertree Rd Wavertree Ct	2025	800	0	Procure more flex in future tender events
SPN	Windsor Rd 1	2027	800	0	Procure more flex in future tender events
	Argos Works	2027	315	0	Procure more flex in future tender events
	Batts Farm	2027	315	0	Procure more flex in future tender events
	Bending Crescent	2026	1000	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
SPN	Brookfields	2027	800	0	Procure more flex in future tender events
	Cambridge Road	2026	1000	0	Procure more flex in future tender events
	Canterbury Road West Blean	2025	315	0	Procure more flex in future tender events
	Chapel Street Minster	2027	800	0	Procure more flex in future tender events
	Chequers	2027	315	0	Procure more flex in future tender events
	Chilham Road	2026	1000	0	Procure more flex in future tender events
	Colgate Micro	2026	315	0	Procure more flex in future tender events
	Crawley Down Road	2025	800	10	Procure more flex in future tender events
	Ditchling	2027	800	0	Procure more flex in future tender events
	Dobson Road	2027	800	0	Procure more flex in future tender events
	Douglas Road	2027	315	0	Procure more flex in future tender events
	East Malling	2027	800	0	Procure more flex in future tender events
	Eastchurch Yse	2027	800	0	Procure more flex in future tender events
	Egerton Forstal	2027	315	0	Procure more flex in future tender events
	Eyston Drive	2025	1000	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
SPN	Fairlight Road	2027	800	0	Procure more flex in future tender events
	Fonhill School	2026	200	0	Procure more flex in future tender events
	Gadby Road	2027	500	0	Procure more flex in future tender events
	Glebe Close	2027	500	0	Procure more flex in future tender events
	Golf Club Littlestone	2027	500	0	Procure more flex in future tender events
	Highlands Inn	2026	315	0	Procure more flex in future tender events
	Hilltop Road	2025	1000	0	Procure more flex in future tender events
	Iwade	2027	800	0	Procure more flex in future tender events
	Kingsnorth Road	2027	1315	10	Sufficient flexibility procured
	Lancaster Avenue	2027	800	0	Procure more flex in future tender events
	Lested House	2027	200	0	Procure more flex in future tender events
	Lock Barn Micro	2026	315	0	Procure more flex in future tender events
	London Road Upper Horsebridge	2027	500	0	Procure more flex in future tender events
	Lower Road	2027	800	10	Sufficient flexibility procured
	Malling Terrace	2027	800	0	Procure more flex in future tender events

Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
SPN	Merton Walk	2027	1000	0	Procure more flex in future tender events
	Normanton	2025	200	0	Procure more flex in future tender events
	Ockenden Lane	2026	800	0	Procure more flex in future tender events
	Orchard Heights	2025	1000	14	Procure more flex in future tender events
	Pellingham Drive	2026	800	0	Procure more flex in future tender events
	Phyllis Farm Micro	2027	315	0	Procure more flex in future tender events
	Plumley Close	2027	800	0	Procure more flex in future tender events
	Portland Square Cade Street	2026	200	0	Procure more flex in future tender events
	Rochester Crescent	2026	1000	0	Procure more flex in future tender events
	Roman Way	2027	1000	10	Sufficient flexibility procured
	Rushmore Hill	2027	500	0	Procure more flex in future tender events
	Rydens Grove	2025	800	0	Procure more flex in future tender events
	Selhurst Well	2027	1000	0	Procure more flex in future tender events
	Shakespeare Road	2027	1000	0	Procure more flex in future tender events
	Silverlands	2025	315	0	Procure more flex in future tender events



Area	Substation Name	Constraint Year	Deferred Transformer Size (kVA)	TR11 Flex Capacity Awarded (kW)	DNOA Result
SPN	Sowell Street	2027	800	0	Procure more flex in future tender events
	St Peters Hospital Housing	2026	800	0	Procure more flex in future tender events
	Starrs Green	2025	800	0	Procure more flex in future tender events
	Sundridge Square	2027	800	0	Procure more flex in future tender events
	Swanscombe Street	2027	1315	0	Procure more flex in future tender events
	Towers View East	2025	1800	0	Procure more flex in future tender events
	Walton Road (Church Farm School)	2025	1000	0	Procure more flex in future tender events
	Woodlands	2027	1000	0	Procure more flex in future tender events
	Yelsted Road	2026	200	0	Procure more flex in future tender events

CHAPTER 05

Definitions and acronyms





CHAPTER 05

Definitions and acronyms

Term	Definition
API	Application Programming Interface
CT	Consumer Transformation
DER	Distributed Energy Resources
DFES	Distribution Future Energy Scenarios
DG	Distribution Generation
DNO	Distribution Network Operator
DNOA	Distribution Network Options Assessment
DSO	Distribution System Operator
EHV	Extra High Voltage
EPN	Eastern Power Networks
NESO	National Electricity System Operator
ETO	Electricity Transmission Owner

Term	Definition
FES	Future Energy Scenarios
GB	Great Britain
GIS	Gas Insulated Switchgear
GSP	Grid Supply Point
HV	High Voltage
LA	Local Authority
LAEP	Local Area Energy Planning
LPN	London Power Networks
LV	Low Voltage
SPN	South Eastern Power Networks
SSEN	Scottish and Southern Electricity Networks
UKPN	UK Power Networks