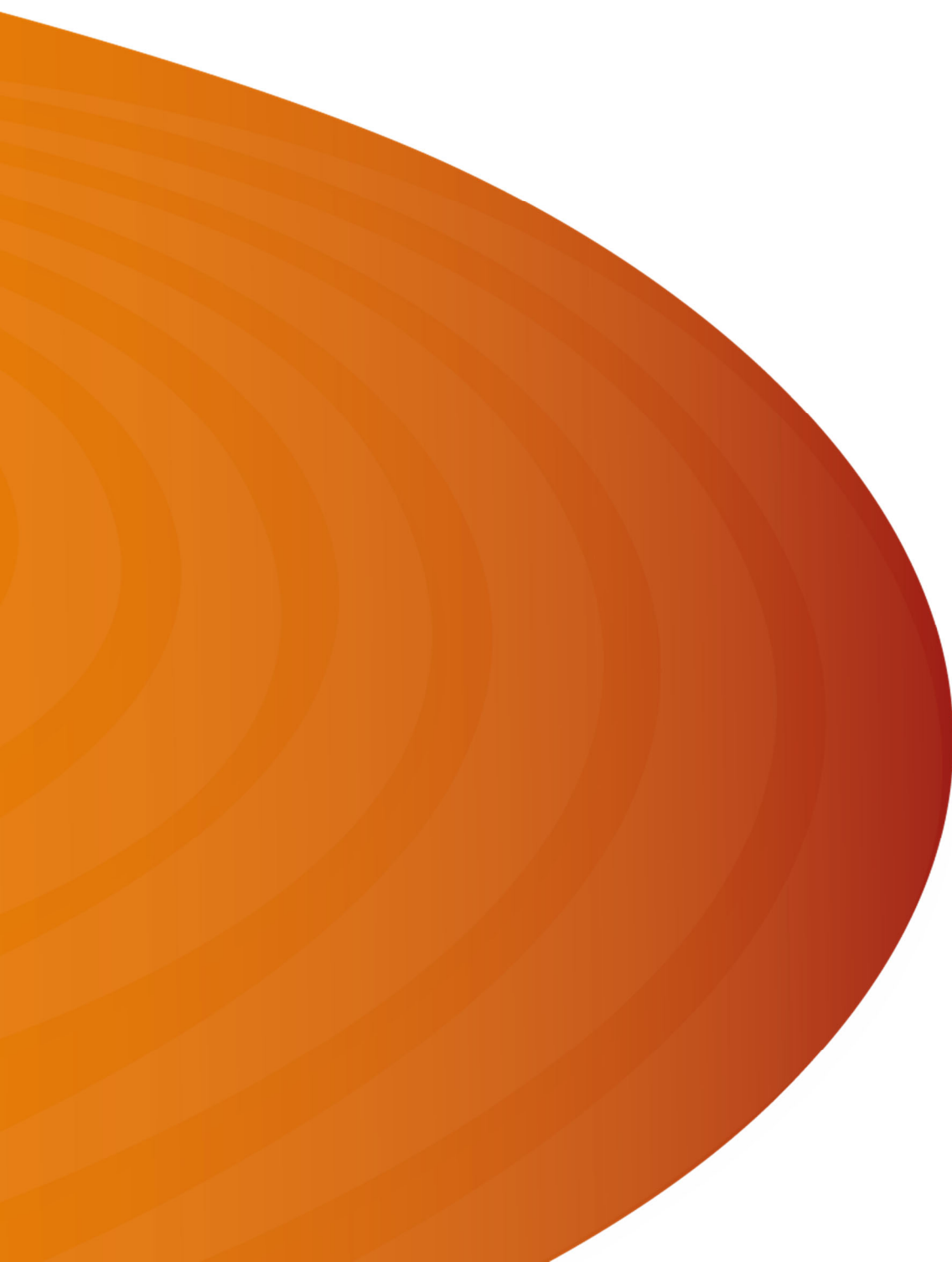


# Distribution Network Options Assessment (DNOA) Reports

December 2025 update



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## 1. Introduction

UK Power Networks' vision is to ensure the right level of network capacity is provided to our customers, in the right place, at the right time, and at the lowest overall cost to customers. Two years on from establishing the UK's first independent DSO we remain focused on delivering the best outcomes for our current and future customers, which is backed up by best practice in DSO governance and driving cross-industry action to drive whole system benefits. We were first to set up an independent DSO Supervisory Board in 2023, 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 are and will continue to publish new granular data on our capacity needs and investment decision making throughout the RIIO-ED2 period.

### Our priorities

**1** Delivering trust and confidence in decision-making

**2** Planning the right network for 2050

**3** Sharing insights for whole system benefits

The Distribution Network Options Assessment (DNOA) report is part of a suite of documents about network planning that are published by the DSO in our open data portal<sup>1</sup> and the DNOA page<sup>2</sup>. These other documents are:

- Distribution Future Energy Scenarios (DFES): Presenting our forecast for load growth in short term to long term
- Long Term Development Statement (LTDS) describes each distribution network with detailed tables, description and diagrams, and looking forward with a load forecast and network developments for five years ahead. The LTDS is published at the end of May and November each year.
- Network Development Report (NDR) includes infrastructure and flexibility services proposals in the best-view plan for the next ten years, and is updated every two years
- Network Scenario Headroom Reports (NSHR) are published annually, indicating unused substation capacity for demand and generation in the Distribution Future Energy Scenarios to 2050.
- The Network Development Plan Methodology explains how the unused capacity (headroom) in the NSHR was calculated and how network requirements in the NDRs are decided.
- Long term system needs file provides a comprehensive long-term perspective on system requirements, utilizing the most up-to-date forecasts available at the time of release. An updated version of this file will be issued whenever there are significant changes to our forecasts. The data reflects the best view scenario, currently represented by the "Holistic Transition" pathway. The analysis extends through 2050 and encompasses the sites included in our Load Index regulatory submission.

In March 2025 we published the 2025 DNOA Methodology and Reports documents. The Reports document contained the results of the DNOA process following the flexibility tender that ran during the fourth quarter of 2024 (TR11).

In August 2025, the activities of the flexibility tender round 12 (TR12), that run from May to end of July 2025, were completed. Hence, in this document we are providing an update on our flexibility procurement following the completion of TR12 in relation to the DNOA recommendations made in March 2025.

The DNOA process to produce the 2026 recommendations is ongoing. During winter 2025/26, the market test for flexibility is ongoing as part of flexibility tender round 13 (TR13)<sup>3</sup>. The competition will close at the end of January 2026. The tender results will be fed back to the DNOA process. New recommendations shall be finalised and published at the end of March.

<sup>1</sup> [UK Power Networks - Open Data Portal](#)

<sup>2</sup> [UK Power Networks - Distribution Network Options Assessment \(DNOA\)](#)

<sup>3</sup> [Tender Hub - UKPN DSO \(ukpowernetworks.co.uk\)](#)

## 2. HV Demand flexibility procurement results

In the table below, we provide an update of the flexibility procurement results for the HV sites. The first 5 columns are taken from the previous publication. We have added a new column indicating changes on sites that we had recommended further flexibility procurement on the previous publication.

A short explanation of the comments on the new column is below:

- “No change”: We were not able to procure any flexibility for this site.
- “Flexibility requirement fully satisfied”: We were able to fully procure for our needs as identified in the previous DNOA cycle
- “Added more flexibility capacity”: We were able to procure some flexibility; however it was not enough to fully provide for our capacity needs.

During the last DNOA cycle, we looked at the network risks of sites where flexibility was not enough and for all sites the network risk was manageable. Therefore, the results of the latest tender do not introduce any new risk, on the contrary there is only possibility for risk reduction via further flexibility procurement.

| Site / Name            | License area | Constraint Year | DNOA Result | DNOA Stage              | Dec 2025 – End of year update           |
|------------------------|--------------|-----------------|-------------|-------------------------|---|
| Aldreth                | EPN          | 2025            | Flexibility | Flexibility procurement | Flexibility requirement fully satisfied |
| Alresford              | EPN          | 2029            | Signposting | Signposting             | -                                       |
| Ampthill               | EPN          | 2028            | Signposting | Signposting             | -                                       |
| Barsham                | EPN          | 2026            | Flexibility | Flexibility procurement | Added more flexibility capacity         |
| Basildon               | EPN          | 2030            | Signposting | Signposting             | -                                       |
| Beresford Avenue       | EPN          | 2025            | Flexibility | Flexibility procurement | Added more flexibility capacity         |
| Bramford Diss Thetford | EPN          | 2025            | Flexibility | Flexibility procurement | Added more flexibility capacity         |
| Brandon                | EPN          | 2027            | Flexibility | Flexibility dispatch    | -                                       |
| Brington               | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Brockenhurst Mill Hill | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Caister                | EPN          | 2026            | Flexibility | Flexibility procurement | Added more flexibility capacity         |
| Cheddington            | EPN          | 2030            | Signposting | Signposting             | -                                       |
| Chelmsford East        | EPN          | 2027            | Flexibility | Flexibility procurement | Flexibility requirement fully satisfied |
| Croydon                | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Diss Grid              | EPN          | 2027            | Flexibility | Flexibility dispatch    | -                                       |
| Feltwell               | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Godmanchester          | EPN          | 2025            | Flexibility | Flexibility procurement | Flexibility requirement fully satisfied |
| Grays                  | EPN          | 2028            | Signposting | Signposting             | -                                       |
| Guyhirn                | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Halstead               | EPN          | 2028            | Signposting | Signposting             | -                                       |
| Hendon Way             | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |

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| Site / Name             | License area | Constraint Year | DNOA Result | DNOA Stage              | Dec 2025 – End of year update           |
|-------------------------|--------------|-----------------|-------------|-------------------------|---|
| Kenninghall             | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Kimbolton               | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Kimms Belt              | EPN          | 2026            | Flexibility | Flexibility procurement | No change                               |
| Laxfield                | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Manton Lane             | EPN          | 2030            | Signposting | Signposting             | -                                       |
| March                   | EPN          | 2026            | Flexibility | Flexibility procurement | Flexibility requirement fully satisfied |
| Marston Road            | EPN          | 2025            | Flexibility | Flexibility dispatch    | -                                       |
| North Drive             | EPN          | 2025            | Flexibility | Flexibility procurement | Added more flexibility capacity         |
| Ongar                   | EPN          | 2030            | Signposting | Signposting             | -                                       |
| Reed                    | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Selwyn Road             | EPN          | 2025            | Flexibility | Flexibility procurement | Flexibility requirement fully satisfied |
| Stickfast Lane          | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Takeley                 | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Thaxted Local           | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Thorpe Grid             | EPN          | 2026            | Flexibility | Flexibility procurement | Flexibility requirement fully satisfied |
| Tiptree                 | EPN          | 2030            | Signposting | Signposting             | -                                       |
| Waddesdon               | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| West Horndon            | EPN          | 2026            | Flexibility | Flexibility procurement | No change                               |
| White Roding            | EPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Bow                     | LPN          | 2026            | Flexibility | Flexibility procurement | Added more flexibility capacity         |
| Willesden Grid          | LPN          | 2025            | Flexibility | Flexibility procurement | Added more flexibility capacity         |
| Angmering               | SPN          | 2030            | Signposting | Signposting             | -                                       |
| Capel Switching Station | SPN          | 2025            | Flexibility | Flexibility dispatch    | -                                       |
| D.W.S.                  | SPN          | 2027            | Flexibility | Flexibility procurement | No change                               |
| Leysdown                | SPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Little Chart            | SPN          | 2029            | Signposting | Signposting             | -                                       |
| Ripe                    | SPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Sevington               | SPN          | 2026            | Flexibility | Flexibility procurement | Flexibility requirement fully satisfied |
| Sittingbourne Town      | SPN          | 2030            | Signposting | Signposting             | -                                       |
| Smeeth                  | SPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| St Helier               | SPN          | 2025            | Flexibility | Flexibility procurement | Added more flexibility capacity         |
| Sutton B                | SPN          | 2025            | Flexibility | Flexibility procurement | Added more flexibility capacity         |
| Tunbridge Wells Group   | SPN          | 2025            | Flexibility | Flexibility procurement | Added more flexibility capacity         |

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| Site / Name     | License area | Constraint Year | DNOA Result | DNOA Stage              | Dec 2025 – End of year update           |
|-----------------|--------------|-----------------|-------------|-------------------------|---|
| West Weybridge  | SPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Warehorne       | SPN          | 2029            | Signposting | Signposting             | -                                       |
| Warehorne Group | SPN          | 2025            | Flexibility | Flexibility procurement | Added more flexibility capacity         |
| Wittersham      | SPN          | 2025            | Flexibility | Flexibility procurement | No change                               |
| Wrotham         | SPN          | 2026            | Flexibility | Flexibility procurement | Flexibility requirement fully satisfied |

### 3. HV Generation flexibility procurement results

Since 2024 we have changed our procurement approach for generation constraints from long-term to the Day Ahead market. In the table below we show the sites where we procured further flexibility since the previous DNOA publication

| Site / Name    | Dec 2025 – End of year update  |
|----------------|--------------------------------|
| Bramford       | Added New Flexibility Capacity |
| Burnham Thorpe | Added New Flexibility Capacity |
| Farcet 1       | Added New Flexibility Capacity |
| Hempton Grid   | Added New Flexibility Capacity |
| Landbeach 2    | Added New Flexibility Capacity |
| Little Barford | Added New Flexibility Capacity |
| March Grid     | Added New Flexibility Capacity |
| Richborough 1  | Added New Flexibility Capacity |
| Worstead       | Added New Flexibility Capacity |

## 4. LV Demand flexibility procurement results

In the table below, we present the updates for the LV demand sites. More information can be found at UKPN DSO website, in the flexibility hub section. The first 5 columns are taken from the previous publication.

| Area | Substation Name                 | Constraint year | Deferred Transformer size (kVA) | DNOA March 2025 Result                    | Dec 2025 – End of year update           |
|------|---------------------------------|-----------------|---------------------------------|---|---|
| EPN  | Abbeyfields - Bishops Stortford | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Anglefield Road                 | 2026            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Beauchamp Close                 | 2026            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Bracecamp Close                 | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Braemar Crescent                | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Brookfields                     | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Burgundy                        | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Bury Street Ruislip             | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Carter Road – Drayton           | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Chepstow Close                  | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Chequers                        | 2027            | 315                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Clements Hall Lane              | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Coral Drive                     | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Curthwaite Gardens              | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Davis Road                      | 2027            | 1000                            | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Ditchling                       | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Drake Road Underpass            | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Earl Howe Road                  | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | East Malling                    | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Elycroft                        | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Fairlight Road                  | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Finchams Close                  | 2026            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Gadby Road                      | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |



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| Area | Substation Name               | Constraint year | Deferred Transformer size (kVA) | DNOA March 2025 Result                    | Dec 2025 – End of year update           |
|------|-------------------------------|-----------------|---------------------------------|---|---|
| SPN  | Glebe Close                   | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Grange Farm H E               | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Greenhaze Lane                | 2025            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Heathcote Garden              | 2027            | 1315                            | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | High Oaks                     | 2027            | 1315                            | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | High Road Hockley             | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Hillside Road – Northwood     | 2026            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Honeybourne                   | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Hullbridge Road South         | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Iwade                         | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Keeley Green                  | 2025            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Kempson Roundabout            | 2027            | 315                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | King George V1 Ave            | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Knights Way- Gt Dunmow        | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Lancaster Avenue              | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Langley Hill                  | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Little Rose                   | 2026            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | London Road Upper Horsebridge | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Longfurlong                   | 2026            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Main St- Weston Turville      | 2026            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Malling Terrace               | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Mandean Lane                  | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Maple Way                     | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Meadow Valley                 | 2026            | 200                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Melksham Drive 22             | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Newcastle Avenue              | 2027            | 1000                            | Procure more flex in future tender events | Flexibility requirement fully satisfied |

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| Area | Substation Name                    | Constraint year | Deferred Transformer size (kVA) | DNOA March 2025 Result                    | Dec 2025 – End of year update           |
|------|------------------------------------|-----------------|---------------------------------|---|---|
| EPN  | Norfolk Road - Maldon              | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Norgate Way                        | 2026            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | North Chase                        | 2026            | 1000                            | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Nutcroft                           | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Old Rectory                        | 2027            | 200                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Park Road - Sawston                | 2026            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Parklands - Maldon                 | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Pellingham Drive                   | 2026            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Pennyfarthings                     | 2026            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Phyllis Farm Micro                 | 2027            | 315                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Rushmore Hill                      | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Ruston Grove                       | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Sidney Road                        | 2026            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Silk Mill Way                      | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Silver Hill - Kings Lynn           | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| SPN  | Sowell Street                      | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Stagsden Road H/E                  | 2025            | 1000                            | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Swallow Way                        | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | The Street                         | 2027            | 315                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Twigdens Housing                   | 2026            | 1000                            | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Warwick Close – Thundersley        | 2027            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | Water Lane - Stansted Mountfitchet | 2027            | 800                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |
| EPN  | West Drive - Caldecote             | 2026            | 500                             | Procure more flex in future tender events | Flexibility requirement fully satisfied |

## 5. Definitions and acronyms

| Term   | Definition                              |
|--------|---|
| DNO    | Distribution Network Operator           |
| DFES   | Distribution Future Energy Scenarios    |
| DNOA   | Distribution Network Options Assessment |
| DSO    | Distribution System Operator            |
| EPN    | Eastern Power Networks                  |
| HV     | High Voltage                            |
| LPN    | London Power Networks                   |
| LTDS   | Long Term Development Statement         |
| LV     | Low Voltage                             |
| NDR    | Network Development Report              |
| NSHR   | Network Scenario Headroom Reports       |
| SPN    | South Eastern Power Networks            |
| TR{XX} | Tender Round                            |
| UKPN   | UK Power Networks                       |