SEPD NETWORK DEVELOPMENT REPORT

Draft for consultation March 2026

Scottish & Southern Electricity Networks

CONTENTS

INTRODUCTION

This is Scottish and Southern Electricity Networks – Distribution's (SSEN-D) draft 2026 Network Development Report (NDR) of the SEPD licence area for consultation purposes. Stakeholders are invited to provide feedback during the consultation period to inform the final publication. The final version reflecting feedback and any updates will be published on 1st May 2026.

Project timescales, capacity data and forecast completion dates presented in the draft are indicative and subject to change in the final publication to reflect the latest network analysis and project development. Part two of the report details interventions signposted in SSEN's published Strategic Development Plans. This data will be refreshed in line with the Long Term Development Statement (LTDS) due to be published in spring 2026. This will include substantially more information on network capacities drawn from the LTDS.

The NDR is part of a suite of information that sets out our longer-term Network Development Plans for our Distribution networks. It gives users access to information pertaining to our network plans for the next ten years in relation to our 11kV networks and above, allowing all interested parties to better assess and identify the future opportunities to use and engage with us and the network. Specifically, it includes:

a) A description of those parts of the Distribution Network Operator's (DNO's) network that are most suited to new connections and distribution of further quantities of electricity;

b) A description of those parts of the DNO's network where reinforcement may be required to connect new capacity and new loads;

c) Information that supports the secure and efficient operation, coordination, development and interoperability of the interconnected system; and

d) Flexibility or Energy Efficiency Services that the DNO reasonably expects to need as an alternative to reinforcement.

This Report and our wider Network Development Plan (NDP) build on existing publications[1], including our Long-Term Development Statements and Flexibility Services publications, which provide information on our nearer-term opportunities and our key focus areas as we continue to develop and improve our network to meet the changing needs and requirements of all stakeholders. These supporting documents can be found in the following links.

a) Long term development statements (LTDS) - SSEN

b) Flexibility - SSEN

To aid users of this report, we have worked with all DNOs across Great Britain to ensure consistency in reporting. SSEN-D, along with other DNOs and TOs across Great Britain, is a member of the Energy Networks Association (ENA). Through the ENA's Open Networks project, we have worked collaboratively to develop a Form of Statement of Network Development Plans[2]. As a result of this work, the NDP is split into three distinct

1 See Figure 2 in NDP – Methodology and Assumptions for existing publications and corresponding time horizons.

2 ENA NDP Form of Statement Template and Process (22 Dec 2021)

reports, as illustrated in Figure 1; the red box highlights the part that this document – the Network Development Report – represents.

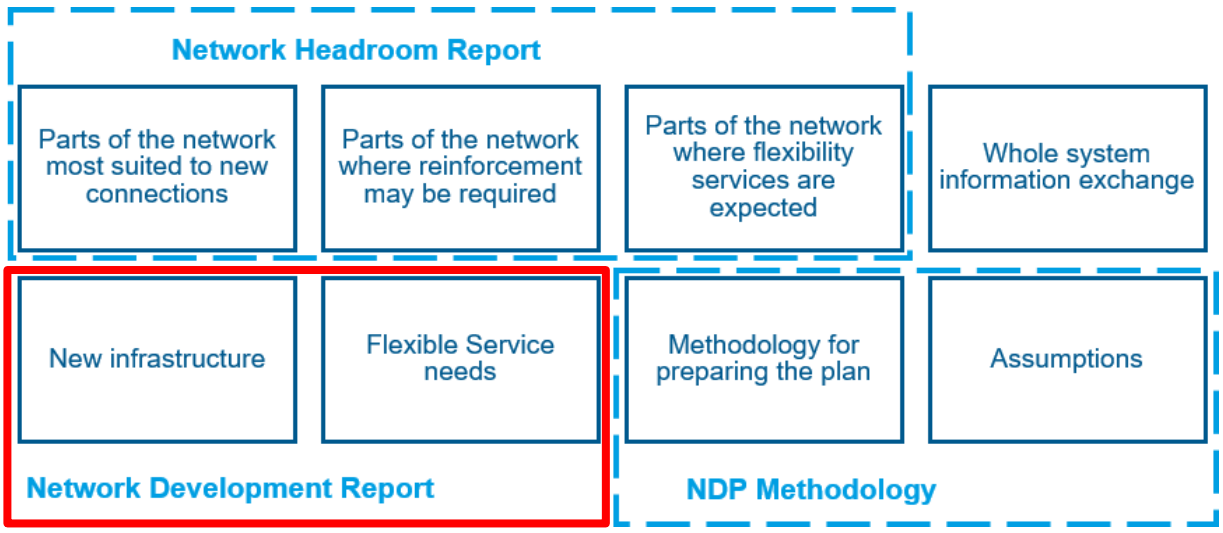


Figure 1: NDP Reporting Structure

Network Development Report (NDR) overview

The NDR provides a comprehensive view of our network, bringing together our plans for the current price control period (RIIO-ED2, which runs until March 2028) and initial programmes for subsequent years, up to 2036. It also references other key publications that set out the likely use and development of our network and the opportunities that this may present.

Using latest available Distribution Future Energy Scenarios (DFES) at the time of publication and accounting for the transitional Regional Energy Strategy Plans (t-RESPs), the NDR sets out our proposed investments and likely areas for service requirements going forward. Together with the NDP Methodology, it also sets out the wider information used to inform this report, which users of our network can call upon to inform their own plans and activities. Further, the information contained within this report informs our Network Scenario Headroom Report (NSHR), which indicates potential investment opportunities for flexible services and new connections at a granular level across our network and allows interested parties to clearly correlate proposed areas of investment with changes in network headroom capacity.

The NDR provides a list of high-level plans for network interventions and flexible service requirements:

- For the next five to ten years
- Location of the intervention
- Requirements for flexibility services or increasing existing asset capacity; and
- When the works are forecast for delivery

How to read this report

The NDR describes our forward programme of interventions required on our networks over the next five to ten years This includes details of our proposed flexibility needs as well as network interventions. These decisions are derived from our network development process which is described in the accompanying NDP Methodology and Assumptions report as well as our latest Distribution Network Options Assessment (DNOA) methodology.

This section provides both guidance on the information pertaining to potential Flexibility Services and network interventions listed in the report. It also provides further context on our current suite of Flexibility Services.

We provide summary tables of forward-looking flexibility needs and network interventions in two parts attached to this report. These parts are:

- **Part 1: Flexibility Service Solutions** – Known flexibility opportunities as reported in our latest SLC 31E procurement statement.

- **Part 2: SEPD Interventions –** Interventions in SEPD for projects in initial development and detailed development and delivery (see below).

The project statuses mentioned above refer to the following:

- **Projects in initial development** – these are projects which are still at an early phase of development and yet to arrive at a DNOA outcome. As such there is still a possibility that the intervention may not be needed in its current form or at all. The use of flexibility may be a feasible outcome. These tend to be longer term projects. Further updates on these projects and other developments at an even earlier stage will be updated through our periodic DNOA outcome releases.

- **Projects in detailed development and delivery** – these are projects that have progressed into more detailed development and delivery. They include projects required for both primary reinforcement and asset replacement purposes. Many of the referenced primary reinforcement projects will be those that have been through the DNOA process and have been assessed as needing network intervention. Some primary reinforcement projects on the list pre-date the DNOA process but will have been similarly assessed for flexibility needs.

Current Flexibility Services products

We align with the definition of flexibility service products as determined by the Market Facilitator's product definition rule[3]. The four standard services are shown in Figure 2. Currently, we primarily procure Variable

3 FMR-PD - Product definitions - Elexon Digital BSC

Availability + Operational Utilisation – week ahead response, Scheduled Availability + Operational Utilisation day-ahead, and Scheduled Utilisation for supporting the deferral of reinforcement. The payment terms for and definitions of these services are summarised in Figure 2. We also procure Operational Utilisation for post-fault services.

Flexibility service products

Product	Description	Decision timescales	Payment
Peak Reduction	This product seeks a reduction in peak power utilised over time. This response can manage peaks in demand.	■ Utilisation Instruction: At Trade	Utilisation
Scheduled Utilisation	In this product, the time that flexibility is delivered has been pre-agreed in advance with the provider.	■ Utilisation Instruction: At Trade	Utilisation
Operational Utilisation	This product allows for the use case where the amount of flexibility delivered is agreed nearer to real time.	■ Utilisation Instruction: Real Time or Week Ahead	Utilisation
Operational Utilisation + Scheduled Availability	This product procures, ahead of time, the ability of an FSP to deliver an agreed change following a network abnormality.	■ Availability Refinement: Not allowed ■ Utilisation Instruction: Real Time or Day Ahead	Availability + Utilisation
Operational Utilisation + Variable Availability	This product allows for DNOs and the ESO to procure a level of contracted capacity, but then refine the requirements in terms of availability closer to the event.	■ Availability Refinement: Week Ahead or Month Ahead ■ Utilisation Instruction: Real Time or Day Ahead or Week Ahead	Availability + Utilisation

Figure 2: New Standard Flexibility Service Products[4]

We will continue to dispatch services procured under previous names and Table 1 shows how the previous services match to the new names. It should be noted the mapping is not exact. Some variables, such as when availability instructions are given, have been adjusted to align with the new definitions.

Previous Product Name	New Product Name	Variation
Sustain	Scheduled Utilisation	
Secure	Variable Availability + Operational Dispatch	Month Ahead
Dynamic	Variable Availability + Operational Dispatch	Week Ahead

Table 1: Aligning Flexible Services Products to ENA

Part 1 highlights where we are proposing to procure flexible services and the type of services required.

4 SLC 31E Flexibility Services Procurement Statement, available in our Flexibility Services Document Library

GETTING IN TOUCH

Although the NDP provides a view of the future in terms of our investments and potential network constraints, we would encourage any party using this information in their decision-making process to engage with us ahead of making an application to connect or offer flexible services.

Table 2 sets out the key e-mail addresses, phone numbers and websites that can support you with your decision making:

Type of Enquiry	DNO	Email	Telephone	Website
Flexible Services	SHEPD SEPD	FlexibleServices@sse.com Flexibilityprocurement@sse.com	N/A	Flexible Solutions Flexibility Services - SSEN
Load Connections	SHEPD SEPD	connections@ssen.com	0800 0483516	New Supplies Existing Supplies
Generation Connections (>50kW)	SHEPD SEPD	mcc@sse.com	0345 0724319	Generation Connections
Generation Connections (<50kW)	SEPD	Southmicrogen@sse.com	0345 0724319	Generation Connections Microgeneration connections - SSEN

Table 2: Contact details for different types of enquiries

Further, if you have any feedback on this NDR, or any aspect of the NDP, which we can use to improve future publications, we would like to hear from you. Please get in touch through the following address whole.system.distribution@sse.com. Please state “Network Development Plan Feedback” in the subject title.

PART 1: FLEXIBILITY SERVICE SOLUTIONS

This section provides information on the zones that have been identified for Flexibility procurement in 2026/27 for both EHV level and HV/LV requirements, which comprise smaller zones. The information includes the key information about the zone, as well as the peak capacity required (MW) and forecasted dispatch (MWh). We procure flexibility for both long-term tenders and short-term tenders. Typically, long-term tenders have a 3-year outlook for requirements whereas short-term requirements are within-year, usually as shortfall from the long-term requirements. Further information is provided through our SLC 31E Flexibility Services Statement, which is an annual statement published on our website every April that sets out our Flexibility Service requirements for the forthcoming year. This document and details of any upcoming flexibility requirements can be found on the SSEN Data Portal[5].

To participate in the Bidding rounds listed in this section, flexibility services providers must first sign an Overarching Agreement. For more information on this, please refer to the website or email Flexibility Services team (see Table 2).[6]

2026/27 Short-term Requirements

Our short-term requirements are procured for requirements that fall within-year. These are typically procured in month-ahead and week-ahead timeframes.

Table P1. 1: 2026/27 Short-Term EHV Requirements

Location	Licence Area	Voltage Level	Peak Capacity Required 2026/27(MW)	Dispatch Forecast 2026/27 (MWh)
Beaconsfield	SEPD	11kV	0.63	5.05
Harvard Lane	SEPD	11kV	1.0134	7.22
Springfield Road	SEPD	11kV	0.4728	2.53
Faringdon	SEPD	11kV	0.63	119.07
Oxford	SEPD	11kV	1.19	224.91
Stokenchurch	SEPD	11kV	0.56	105.84
Alresford	SEPD	11kV	1.67	315.63
Ashling Road	SEPD	11kV	1.23	232.47
Beaconsfield	SEPD	11kV	0.27	51.03
Faringdon	SEPD	11kV	0.1512	95.256

5 Data Assets

6 https://www.ssen.co.uk/our-services/flexible-solutions/flexibility-services/

Oxford	SEPD	11kV	0.2856	179.928
Stokenchurch	SEPD	11kV	0.1344	84.672
Alresford	SEPD	11kV	0.4008	252.504
Ashling Road	SEPD	11kV	0.2952	185.976
Beaconsfield	SEPD	11kV	0.0648	40.824

Table P1.2 2026/27 Short-term HV/LV requirements.

Licence Area	Voltage Level	Service	Peak Capacity Required (MW)	Dispatch Forecast (MWh)	Seasonal Requirement	Number of CMZs
SEPD	11kV	SU	0.67044	137.74	Winter	40
SEPD	11kV	SU	0.12579	18.17	Autumn/Spring	10

2026/27 Long Term Requirements

Our long-term markets cover requirements up to 3 years into the future. We procure flexibility at this long-term timeframe to ensure the capacity is released and stimulate market liquidity.

Table P1.3: 2026/27 Long-Term Bidding EHV Requirements

Location	Licence Area	Voltage Level	Service	Peak Capacity Required 2028-2030 (MW)	Dispatch Forecast 2028-2030 (MWh)
Birdham	SEPD	11kV	VAOU (WA)	0.927	5.69
Chalvey	SEPD	11kV	VAOU (WA)	1.706	19.74
Chapel	SEPD	6.6kV	VAOU (WA)	0.305	0.27
Egham	SEPD	11kV	VAOU (WA)	1.6159	9.58
Emsworth	SEPD	11kV	VAOU (WA)	1.054	3.57
Fort Widley	SEPD	33kV	VAOU (WA)	1.1358	3.04
Horndean	SEPD	33kV	VAOU (WA)	1.2997	5.74
Netherhampton	SEPD	33kV	VAOU (WA)	0.2295	0.82
Petersfinger	SEPD	33kV	VAOU (WA)	2.059	24.77
Rownhams - North Baddesley	SEPD	33kV	VAOU (WA)	0.636	1.7
Springfield Road	SEPD	11kV	VAOU (WA)	1.4333	23.22
Wallingford	SEPD	11kV	VAOU (WA)	1.141	4.92
Weston	SEPD	11kV	VAOU (WA)	0.0483	0.22
Brockhurst	SEPD	11kV	VAOU (WA)	1.5	7.14
Rose Hill	SEPD	11kV	VAOU (WA)	1.6	4.36
Hoeford	SEPD	11kV	VAOU (WA)	0.88	2.4
Rownhams	SEPD	33kV	VAOU (WA)	2.252	7.66

Table P1.4: 2026/27 Long-Term HV/LV Requirements Licence Area	Voltage Level	Service	Peak Capacity Required (MW)	Dispatch Forecast (MWh)	Seasonal Requirement	Number of CMZs
SEPD	11kV	SU	3.138	690.65	Winter	88
SEPD	11kV	SU	0.417	71.47	Autumn/Spring	28
SEPD	11kV	SU	0.017	0.78	Summer	1

PART 2: SEPD INTERVENTIONS

This section provides information on planned interventions in the SEPD licence area. It is organised based on stages of project development and delivery:

- **Projects in initial development** – these are projects which are still at an early phase of development and yet to arrive at a DNOA outcome. As such there is still a possibility that the intervention may not be needed in its current form or at all. The use of flexibility may be a feasible outcome. These tend to be longer term projects. Further updates on these projects and other developments at an even earlier stage will be updated through our periodic DNOA outcome releases.
- **Projects in detailed development and delivery** – these are projects that have progressed into more detailed development and delivery. They include projects required for both primary reinforcement and asset replacement purposes. Many of the referenced primary reinforcement projects will be those that have been through the DNOA process and have been assessed as needing network intervention. Some primary reinforcement projects on the list pre-date the DNOA process but will have been similarly assessed for flexibility needs.

Interventions that apply to several substations are also separated into group reinforcement tables.

The information in the tables includes the existing and updated capacity, or the capacity to be released, as well as the forecasted reinforcement completion date, which is reflected in the NSHR.

The interventions detailed in the NDR focus on load-related reinforcement and system-driven network upgrades required to maintain security of supply and accommodate forecast demand growth. Customer-driver works triggered and funded by specific connections applications are not currently included. We are reviewing how best to incorporate customer-driven works into future editions to provide stakeholders with a more complete view of network development activity.

Figure P2.1 shows the supply areas of each Grid Supply Point (GSP) in the SEPD licence area. Supply areas for Primary Substations are available on our Open Data Portal. Only GSPs with network interventions in development / delivery are listed as sections below the map, but the map in P2.1 provides an overview of all GSPs.

Figure P2.1 GSP Supply Areas in the SEPD licence area.

Reference map: network symbology

Figure P2.2 is intended to aid readers in understanding the GSP-specific maps in the following sections by describing the symbology used for different types of network assets. The locations of GSPs, BSPs, and Primary Substations are represented by yellow, purple, and red dots, respectively. 132kV, 66kV, 33kV, and 22kV circuits are represented by blue, light orange, green, and dark orange lines, respectively. The geographic area supplied by the GSP is denoted by the shaded blue area.

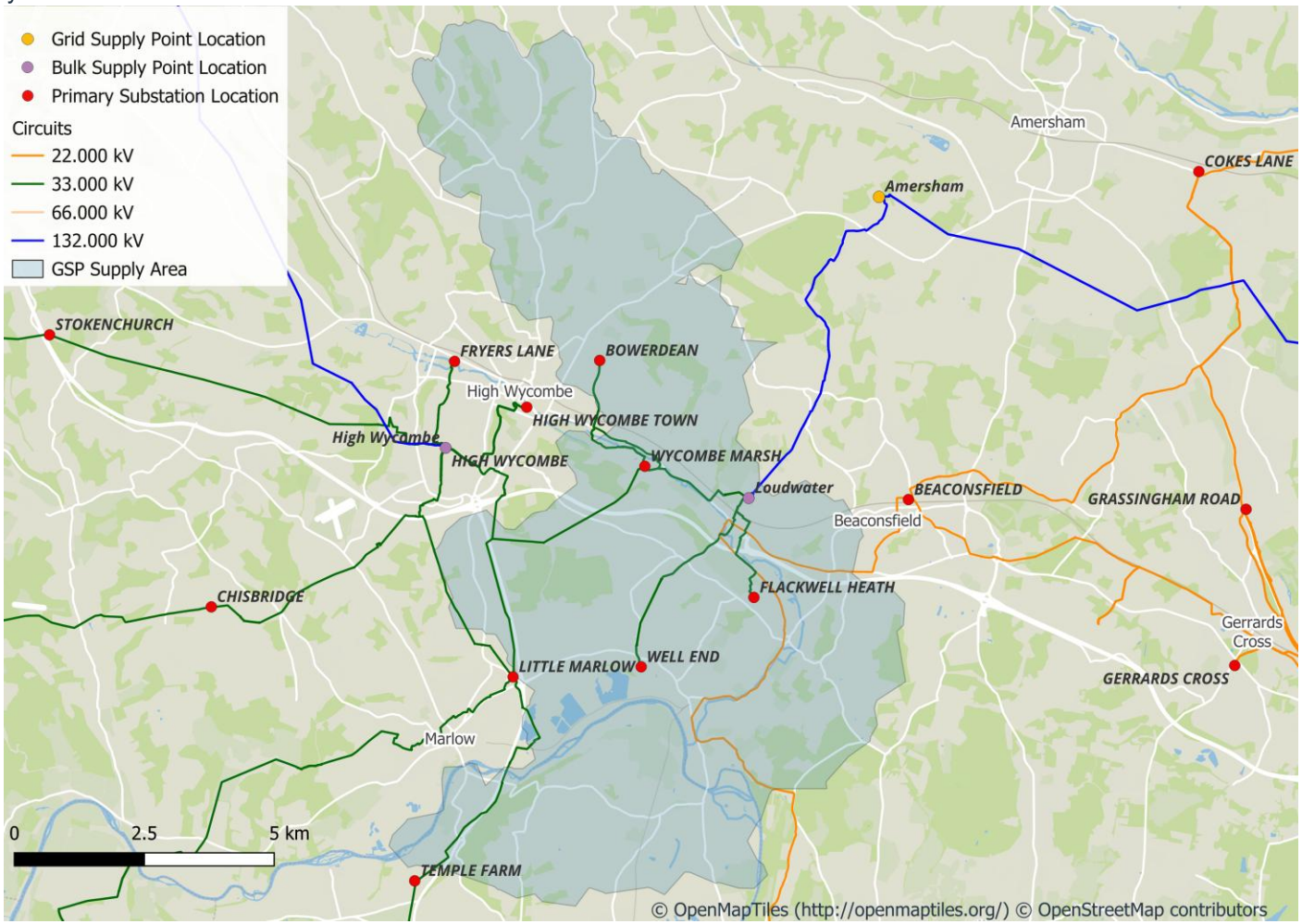
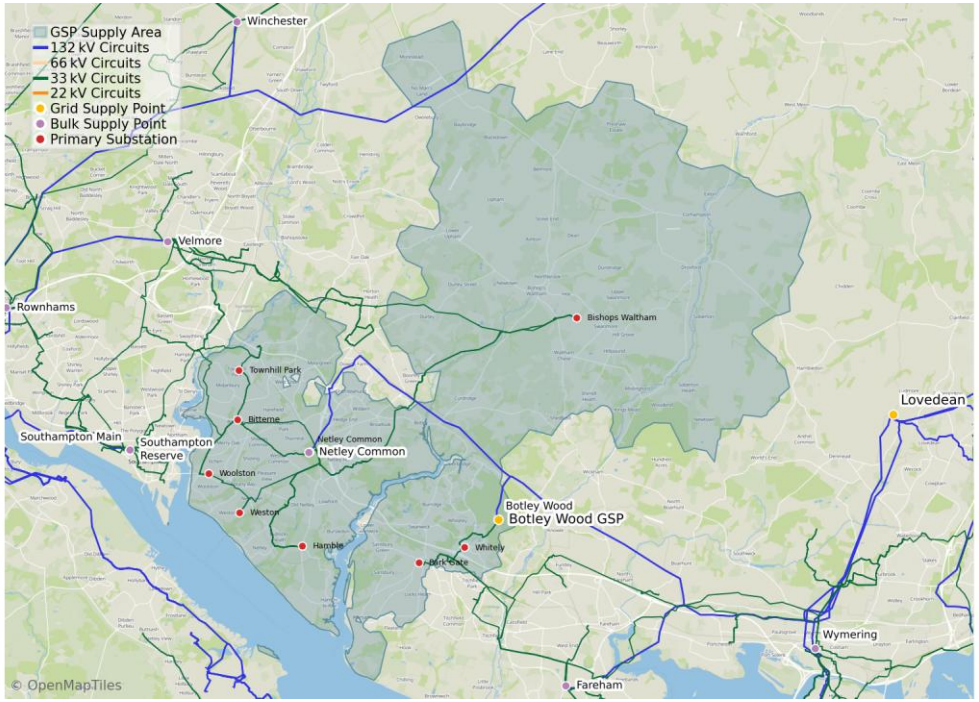


Figure P2.2 Reference map describing symbology for network assets and supply area.

Botley Wood



Botley Wood GSP Information

This GSP supplies the following BSPs:

- Netley Common
- Botley Wood BSP

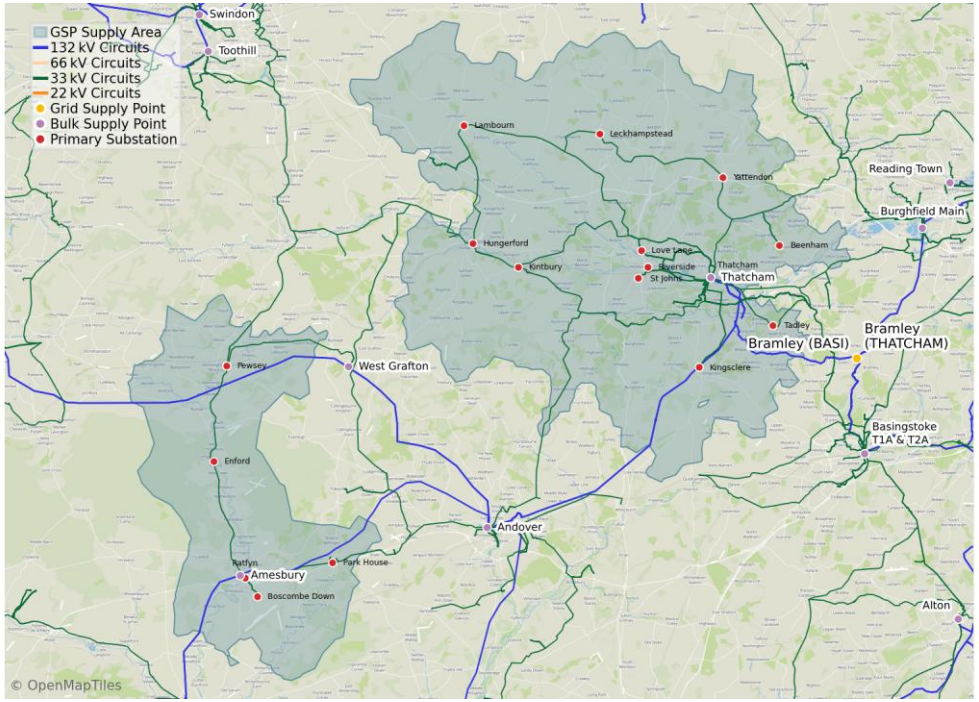
Botley Wood GSP is located within the Southeast region of the SEPD licence area and currently supplies approximately 86,693 customers.

Table P2.1 Botley Wood GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Botley Wood BSP	33	-	-	2027	Add a new 33kV GIS board at Botley Wood BSP.	CV7 - Asset Replacement (Environmental)
North Fareham PSS (currently fed from Lovedean GSP)	33	-	-	2028	Add two new cables from Botley Wood BSP to North Fareham PSS, add a new 33kV indoor busbar at North Fareham PSS and transfer North Fareham PSS to	CV1 - Primary Reinforcement

					Botley Wood BSP from Fareham BSP (part of Lovedean GSP).	
Netley Common BSP	132/33	114	228	2027	Add a third 132/33kV transformer and extend the 132kV busbar.	CV1 - Primary Reinforcement
Netley Common PSS	-	-	-	2027	Replace both existing transformers at Netley Common PSS.	CV7 - Asset Replacement
Bishops Waltham	33/11	22.68	37.8	2026/2027	Replace both existing primary transformers and uprate sections of the 33kV circuits from Netley Common BSP	CV1 - Primary Reinforcement
Bitterne PSS	33	-	-	2028	Add a new 33kV switchboard with 7 indoor circuit breakers.	CV1 - Primary Reinforcement
Weston PSS & Woolston PSS	33	-	-	2029	Add two new 33kV circuits from Netley Common BSP to Weston PSS and add two new 33kV circuit breakers at the BSP for the cables to connect into.	CV1 - Primary Reinforcement
Townhill Park PSS	33	-	-	2031	Add a new 33kV switchboard, add a new 33kV circuit from Netley Common BSP and add a new 33kV circuit breaker at the BSP for the circuit to connect into.	CV1 - Primary Reinforcement

Bramley (Ames-That)



Bramley (Ames-That) GSP Information

This GSP supplies the following BSPs:

- Amesbury
- Thatcham

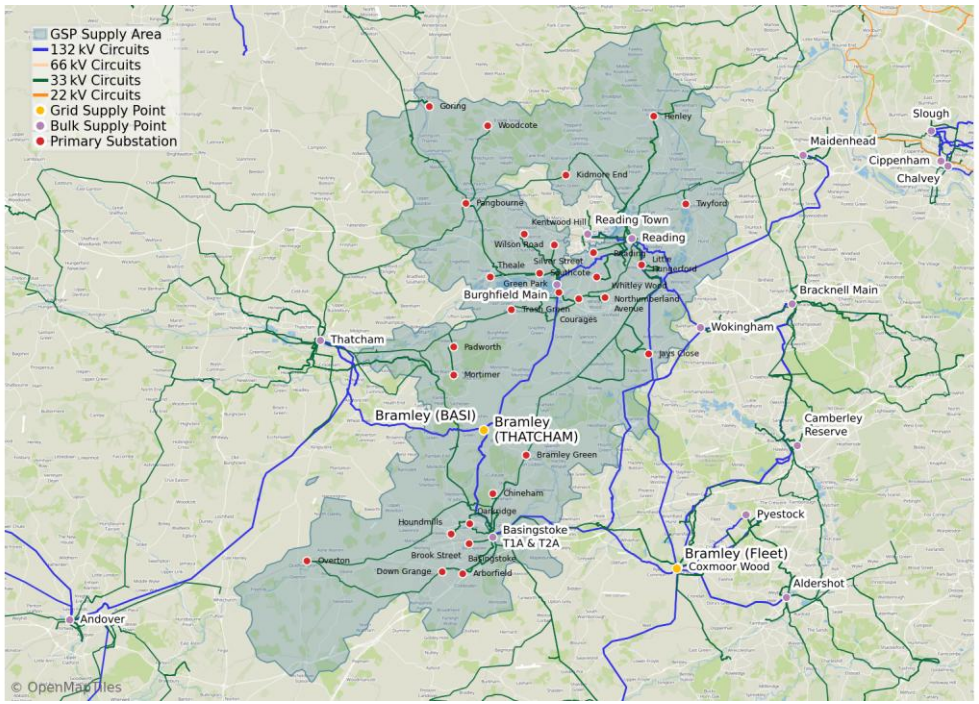
Bramley (Ando-That) GSP is located within the Southeast region of the SEPD licence area and currently supplies approximately 83,257 customers.

Table P2.2 Bramley (Ames-That) GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Thatcham BSP	132	-	-	2027	Install new 132kV Gas Insulated Switchgear at Thatcham BSP.	CV1 - Primary Reinforcement
Thatcham BSP	132/33	-	-	2027	Add a fourth 132/33kV transformer at Thatcham BSP.	CV1 - Primary Reinforcement
Thatcham BSP	-	-	-	2031	Add two new circuits from Bramley GSP to Thatcham BSP.	CV1 - Primary Reinforcement

Hungerford	33/11	13	15	2026	Replace C1MT and C2MT with 2x7.5/15MVA CER units.	CV7 - Asset Replacement
Lambourn PSS	-	-	-	2027	Replace and uprate the existing transformers and replace two circuit breakers.	CV7 - Asset Replacement

Bramley (Basingstoke)



Bramley (Basingstoke) GSP Information

This GSP supplies the following BSPs:

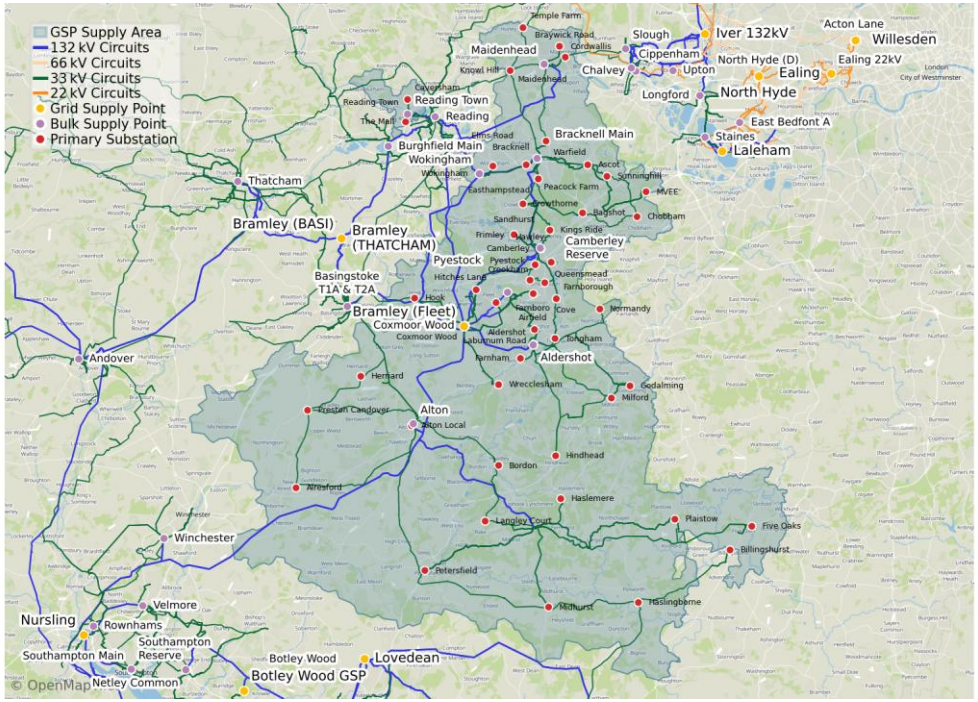
- Basingstoke

Bramley (Basingstoke) GSP is located within the Southeast region of the SEPD licence area and currently supplies approximately 144,112 customers.

Table P2.3 Bramley (Basingstoke) GSP group reinforcement projects in detailed development and delivery

Network Area	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Bramley GSP	132	-	-	2030	Install a new 132kV Gas Insulated Switchgear (GIS).	CV1 - Primary Reinforcement
Burghfield BSP	132	-	-	2030	Install a new 132kV GIS switchboard at Burghfield BSP and add two additional circuits.	CV1 - Primary Reinforcement
Bramley – Basingstoke-Basingstoke-Reading Tee Circuit	132	-	-	2030	Upgrade sections of the Bramley – Basingstoke GSP – Basingstoke BSP – Reading BSP tee-circuit.	CV1 - Primary Reinforcement
Reading BSP	132	-	-	2030	Adjust the normal switching arrangement on the 132kV switchboard at Reading BSP to split Reading BSP from Bramley	CV1 - Primary Reinforcement
Wokingham BSP (Fleet GSP)	132			2030	Replace two 132kV switch disconnectors on the 132kV bus.	CV1 - Primary Reinforcement
Burghfield BSPs shared site	33	-	-	2028	Install a new 33kV GIS switchboard connected to Burghfield Main and Reserve BSPs.	CV16 - Flood Mitigation
Reading BSP	-	-	-	2027	Replace transformers A1 & A3 at Reading BSP.	CV7 - Asset Replacement

Bramley (Fleet)



Bramley (Fleet) GSP Information

This GSP supplies the following BSPs:

- Aldershot
- Alton
- Bracknell Main and Reserve
- Burghfield Main and Reserve
- Camberley Main and Reserve
- Coxmoor Wood
- Fernhurst
- Maidenhead
- Pyestock
- Reading
- Reading Town
- Wokingham

Bramley (Fleet) GSP is located within the Southeast region of the SEPD licence area and currently supplies approximately 496,991 customers.

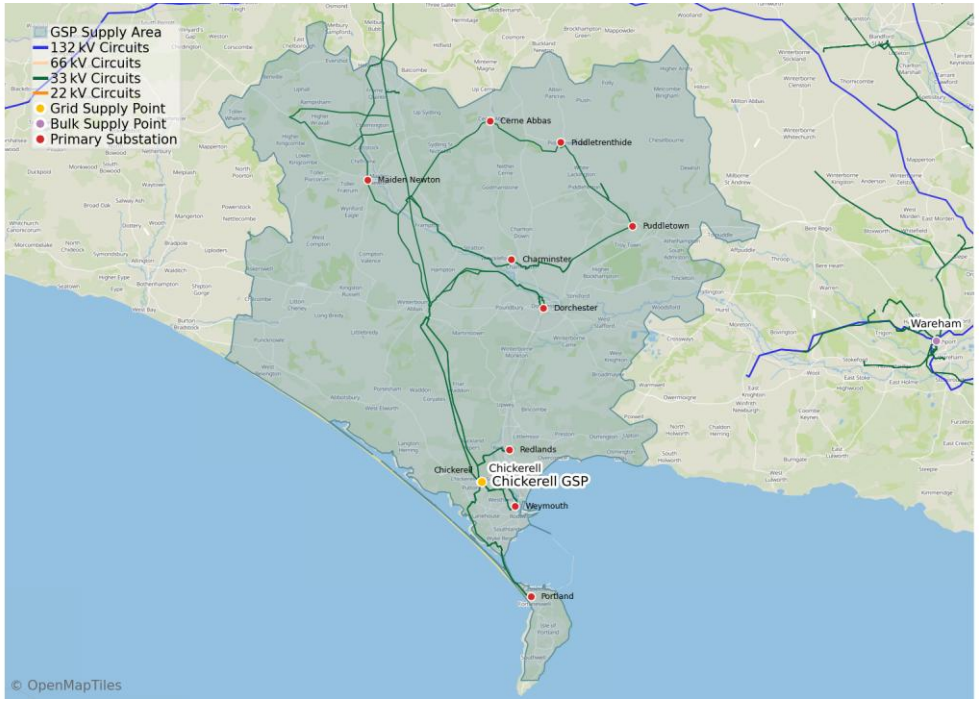
Table P2.4 Bramley (Fleet) GSP group reinforcement projects in detailed development and delivery

Network Area	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Bramley GSP	132	-	-	2030	Install a new 132kV Gas Insulated Switchgear (GIS).	CV1 - Primary Reinforcement

Burghfield BSP	132	-	-	2030	Install a new 132kV GIS switchboard at Burghfield BSP and add two additional circuits from Bramley GSP to Burghfield BSP.	CV1 - Primary Reinforcement
Feet-Basingstoke Reading Tee Circuit	-	-	-	2030	Upgrade sections of the Fleet GSP – Basingstoke BSP – Reading BSP tee-circuit.	CV1 - Primary Reinforcement
Reading BSP	132	-	-	2030	Adjust the normal switching arrangement on the 132kV switchboard at Reading BSP to split Reading BSP from Fleet GSP so that it is fed from Bramley GSP.	CV1 - Primary Reinforcement
Wokingham BSP	132	-	-	2030	Replace two 132kV switch disconnectors on the 132kV bus.	CV1 - Primary Reinforcement
Fleet GSP	-	-	-	2032	Upgrade the switchgear at Fleet GSP from Air Insulated Switchgear (AIS) to Gas Insulated Switchgear (GIS).	CV1 - Primary Reinforcement
Tongham PSS	33	-	-	2027	Two new underground circuits from Aldershot BSP to Tongham PSS and modify the existing circuit to create an interconnector between Farnborough PSS and Aldershot BSP.	CV1 - Primary Reinforcement
Alton BSP, Fernhurst BSP, and Winchester BSP	132	-	-	2028	New 132kV GIS switching station to feed Alton BSP, Fernhurst BSP, and Winchester BSP.	CV1 - Primary Reinforcement
Alton BSP	33	-	-	2028	Upgrade the 33kV switchgear at Alton BSP from AIS to GIS.	CV1 - Primary Reinforcement
Alresford PSS	33	-	-	2028	Upgrade existing 33/11kV transformers to 15/30MVA. Reinforce part of the Alton BSP to Alresford PSS 33kV overhead line.	CV1 - Primary Reinforcement

Chobham PSS	12/24	-	-	2027	Replace both transformers with 12/24MVA transformers.	CV7 - Asset Replacement
Crowthorne PSS	12/24	-	-	2026/2027	Replace the two smaller transformers with 12/24MVA transformers.	CV7 - Asset Replacement
Coxmoor Wood BSP	132/33	-	-	2027	Replace one of the 132/33kV transformers at Coxmoor Wood BSP.	CV7 - Asset replacement
Coxmoor Wood BSP	132/33	-	-	2031	Addition of a 3rd 132/33kV transformer at Coxmoor Wood BSP with additional 132kV circuit from Fleet GSP. Upgrade the 33kV switchgear from AIS to GIS.	CV1 - Primary Reinforcement
Haslingbourne PSS	12/24	-	-	2026	Replace the two transformers with 12/24MVA transformers.	CV7 - Asset replacement

Chickerell



Chickerell GSP Information

This GSP supplies the following BSPs:

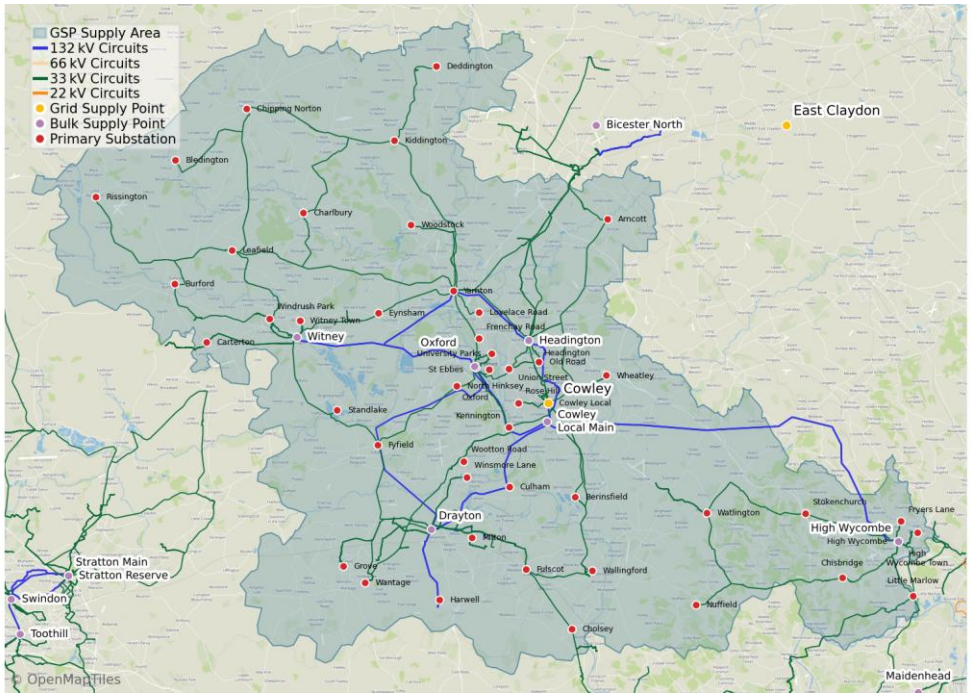
- Chickerell

Chickerell GSP is located within the Wessex region of the SEPD licence area and currently supplies approximately 69,119 customers.

Table P2.5 Chickerell GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Winterbourne Abbas to Dorchester Town PSS	33	-	-	2026	Reinforcement of 33kV circuit sections between Winterbourne Abbas and Dorchester Town PSS	CV1 - Primary Reinforcement
Cerne Abbas	33/11	3.38	4	2028	Replace C1MT with a new 4MVA unit. Replace circuit breakers and cables.	CV7 - Asset Replacement

Cowley



Cowley GSP Information

This GSP supplies the following BSPs:

- Cowley Local
- Drayton
- Headington
- High Wycombe
- Oxford (Osney)
- Witney
- Yarnton

Primaries directly connected to the GSP are:

- Culham B11
- Harwell

Cowley GSP is located within the Ridgeway region of the SEPD licence area and currently supplies approximately 273,233 customers.

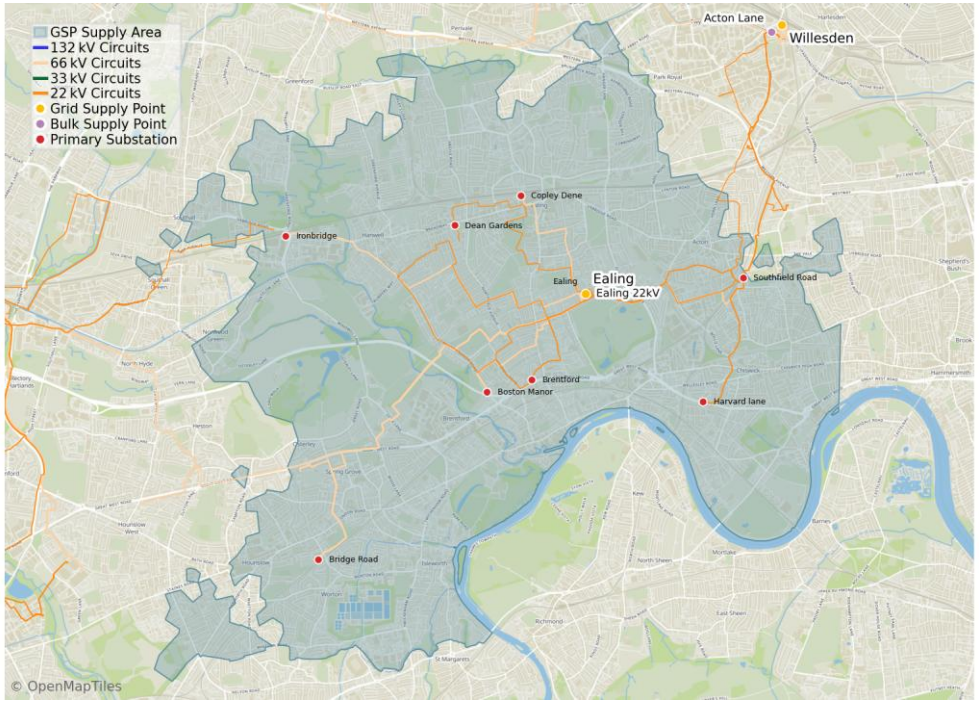
Table P2.6 Cowley GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Cowley Grid GSP	-	-	-	2031	Cowley GSP substation upgrade to Gas Insulated Switchgear (GIS).	CV1 - Primary Reinforcement

Cowley Local BSP	132/33	-	-	2029	Installation of an additional 132/33kV transformer, 2.5km of circuits and a new 132kV switchboard.	CV1 - Primary Reinforcement
Oxford (Osney) BSP	132/33	-	-	2032	Installation of an additional 132/33kV transformer and 132kV circuit reinforcement.	CV1 - Primary Reinforcement
Witney BSP	132/33	-	-	2029	Installation of an additional 132/33kV transformer, new 132kV Air Insulated Switchgear (AIS). Reinforcement of the Yarnton – Witney 132kV circuits. New 33kV circuit breakers at Witney BSP and at two downstream primary substations.	CV1 - Primary Reinforcement
Yarnton BSP	132/33	-	-	2031	Construction of 14.7km of new 132kV circuit from Cowley GSP to Yarnton BSP. New 33kV GIS busbar rebuild at Yarnton BSP.	CV1 - Primary Reinforcement
Berinsfield PSS	33/11	-	-	2033	Replacement of the two existing 33/11kV transformer replacement.	CV1 - Primary Reinforcement
Berinsfield PSS	33	-	-	2034	11.2km of dual 33kV underground cables to replace existing overhead line circuit.	CV1 - Primary Reinforcement
Rose Hill PSS	33	-	-	2029	Reinforcement of the two existing 33/11kV transformers.	CV1 - Primary Reinforcement
Rose Hill PSS	33	-	-	2031	Reinforcement of 6.3km of 33kV circuit between Cowley Local BSP and Rose Hill PSS.	CV1 - Primary Reinforcement
Wallingford PSS	33/11	-	-	2032	Reinforcement of the two existing 33/11kV transformers.	CV1 - Primary Reinforcement
Grove PSS	33/11	-	-	2026	Reinforcement of the two existing 33/11kV transformers.	CV1 - Primary Reinforcement
Fulscot PSS & Cholsey PSS	33	-	-	2034	20.4km of 33kV circuit reinforcement under Drayton BSP.	CV1 - Primary Reinforcement

Wheatley PSS	33/11	-	-	2027	Reinforcement of the two existing 33/11kV transformers.	CV1 - Primary Reinforcement
Stokenchurch PSS	33	-	-	2031	Reinforcement of 11.4km of 33kV circuit between High Wycombe BSP and Stokenchurch PSS.	CV1 - Primary Reinforcement
Chisbridge PSS	33	-	-	2031	Reinforcement of 1.71km 33kV circuit between High Wycombe BSP and Chisbridge PSS.	CV1 - Primary Reinforcement
Watlington PSS	33/11	-	-	2031	Installation of two additional 33/11kV transformers.	CV1 - Primary Reinforcement
Eynsham PSS	33	-	-	2029	Reinforcement of the 33kV circuits from Witney BSP to Eynsham PSS.	CV1 - Primary Reinforcement

Ealing



Ealing GSP Information

This GSP supplies the following BSPs:

- Ealing (D)

Primaries directly connected to the GSP are:

- Boston Manor
- Bridge Road
- Copley Dene
- Ealing
- Ironbridge
- Southfield Road

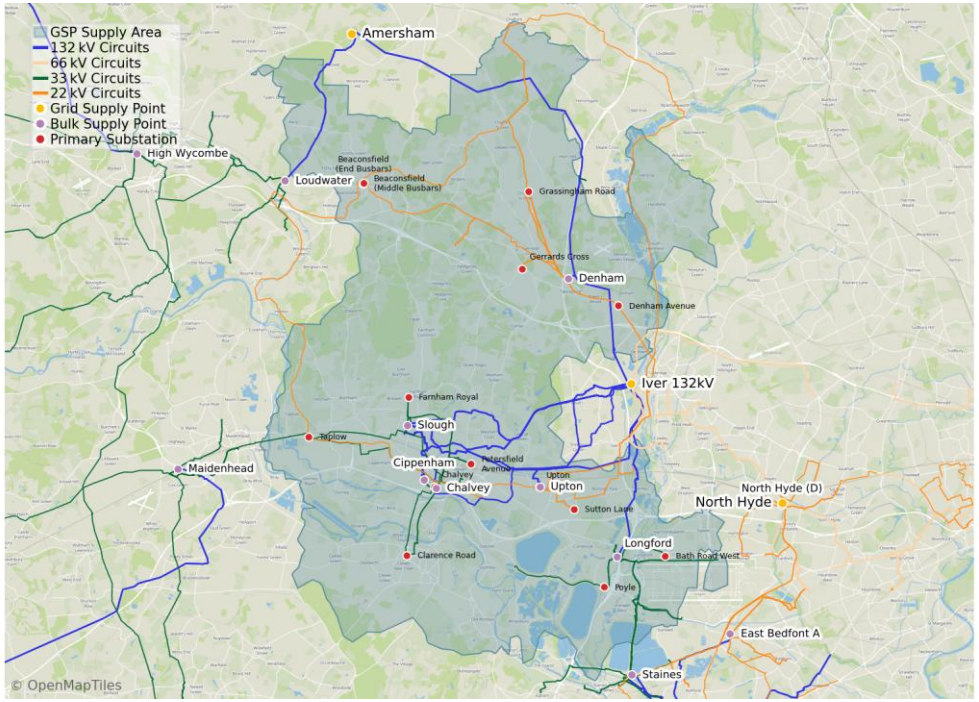
Ealing GSP is located within the Thames Valley region of the SEPD licence area and currently supplies approximately 151,676 customers.

Table P2.7 Ealing GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Ealing	22/11	-	-	2028/2029	Fault Level Reinforcement of 22kV Circuit Breakers	CV1 - Primary Reinforcement
Ealing	66/22	-	-	2028/2029	Fault Level Reinforcement of 66kV Circuit Breakers	CV1 - Primary Reinforcement
Harvard Lane	22/11	23.6	74.6	2028/2029	Network Rearrangement and 2 x transformer replacement	CV1 - Primary Reinforcement

Copley Dene	66/11	-	-	2027	2 x 66/11kV Transformer Replacement	CV1 - Primary Reinforcement
Bridge Road	66/11	-	-	2028	3 x 66/11kV Transformer Replacement	CV1 - Primary Reinforcement

Iver 132kV



Iver 132kV GSP Information

This GSP supplies the following BSPs:

- Chalvery
- Cippenham
- Denham
- Longford
- Slough
- Upton

Iver 132kV GSP is located within the Thames Valley region of the SEPD licence area and currently supplies approximately 134,912 customers.

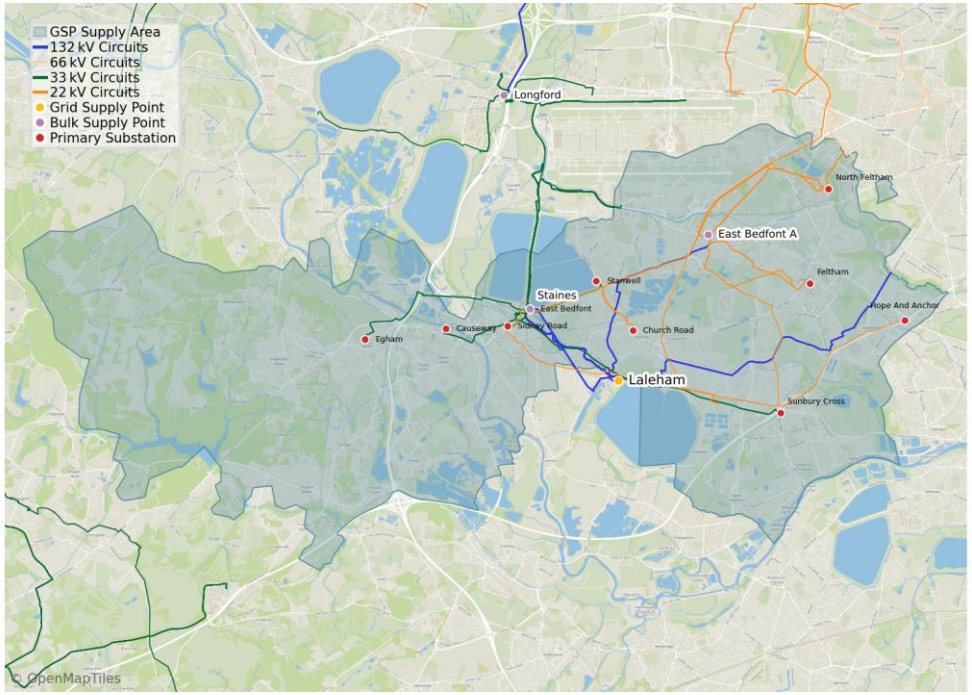
Table P2.8 Iver 132kV GSP reinforcement projects in detailed development and delivery

Network Area	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Iver 132kV – Slough south	132	-	-	2027	New 132kV Circuit from new Iver 132kV Circuit breaker to new Slough South transformer	CV1 - Primary Reinforcement
Iver 132kV – Slough	132	-	-	2027	New 132kV Circuit from new Iver 132kV Circuit breaker to new Slough transformer	CV1 - Primary Reinforcement

Iver 132kV – Cippenham BSP	132	-	-	2027	Two new 132kV circuits from Iver 132kV to Cippenham BSP	CV1 - Primary Reinforcement
Beaconsfield	33/11	19.25	32.15	2028/2029	Move Beaconsfield from its connection to Upton and Denham BSP's to Loudwater BSP under Amersham GSP, two new 33kV circuits and new 33/6.6kV Transformers at Beaconsfield	CV1 - Primary Reinforcement
Iver 132kV – New Cippenham BSP	132	-	-	2031	Two new 132kV circuits from Iver 132kV to new Cippenham BSP	CV1 - Primary Reinforcement
Iver 132kV – Denham BSP	132	138	200	2027	Reinforce section of 132kV underground cable	CV1 - Primary Reinforcement
New Cippenham BSP	132/33	-	-	2031	New Cippenham BSP to be built with two 132/33kV transformers and 33kV switchboard	CV1 - Primary Reinforcement
New Cippenham BSP	-	-	-	2031	Disconnect Petersfield avenue PSS and Herschel Street PSS from Chalvey and connect to New Cippenham	CV1 - Primary Reinforcement
Denham BSP	132/33	-	-	2030	New Denham 132kV switching station	CV1 - Primary Reinforcement
Denham BSP	132/33	-	-	2030	Two new 132/33kV transformers to start to rationalise 22kV network	CV1 - Primary Reinforcement
Denham BSP	132/22	114.75	117.4	2028	Two new 132/22kV transformers	CV1 - Primary Reinforcement
Slough South BSP	132/33	-	-	2030	New 132/33kV transformer at Slough connected to Slough south BSP and 33kV interconnection to the Slough BSP bar.	CV1 - Primary Reinforcement
Gerrards Cross PSS	33/6.6	-	-	2030	Two new 33/6.6KV transformers at Gerrards	CV1 - Primary Reinforcement

					cross to move to the new 33kV bar at Denham to start rationalising the 22kV network.	
Denham Avenue PSS	33/6.6	-	-	2030	Two new 33/6.6KV transformers at Denham Avenue to move to the new 33kV bar at Denham BSP to start rationalising the 22kV network.	CV1 - Primary Reinforcement
Slough / Slough South / Cippenham	132	-	-	2028/2029	Network reconfiguration between Slough and Cippenham BSPs. Installation of new 132kV circuit and 132/33kV transformer at Slough South BSP.	CV1 – Primary Reinforcement

Laleham



Laleham GSP Information

This GSP supplies the following BSPs:

- East Bedfont A
- Staines

Primaries directly connected to the GSP are:

- East Bedfont 11

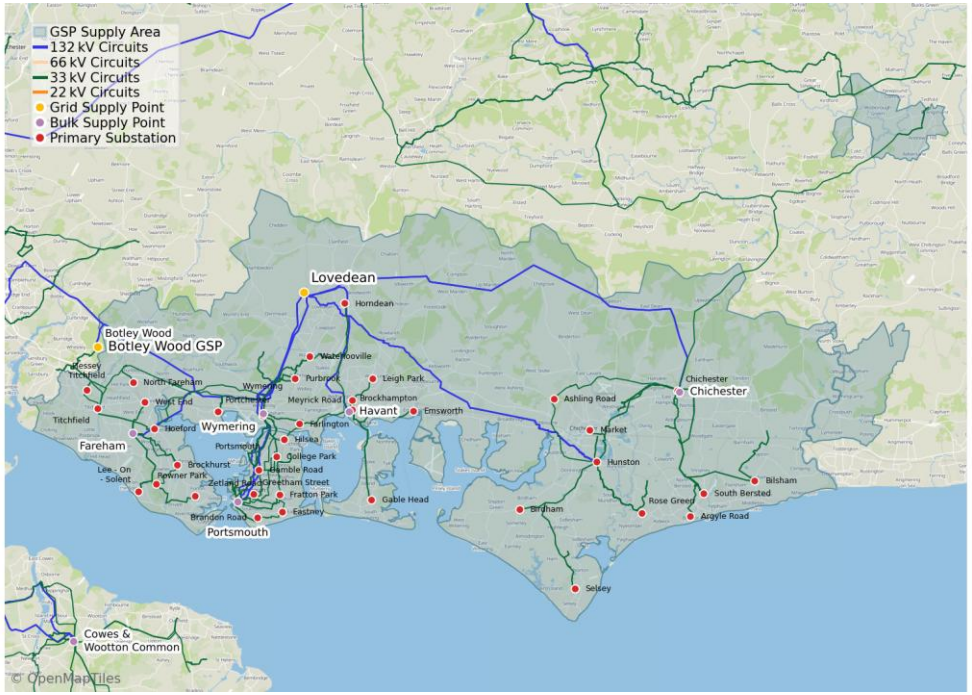
Laleham GSP is located within the Thames Valley region of the SEPD licence area and currently supplies approximately 80,444 customers.

Table P2.9 Laleham GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
East Bedfont	132/22	76.5	92.5	2028	Replace two 132kV transformers to release 16MVA.	CV1 - Primary Reinforcement
Egham	33/11	28.35	56.7	2032	Install a new 30MVA transformer unit.	CV1 - Primary Reinforcement
East Bedfont (132/11kV) PSS	132/11	-	-	2026	Reinforcement of the lower rated transformer at East Bedfont from a rating of 20MVA to 40MVA. This will release the full capacity	CV1 - Primary Reinforcement

					of the existing 40MVA transformer.	
Staines BSP	132	-	-	2033	Establish a 132kV double busbar and a third 90MVA 132/33kV transformer at Staines BSP. Reinforcement of 132kV circuit from Laleham to match the new firm capacity of the group demand.	CV1 - Primary Reinforcement

Lovedean



Lovedean GSP Information

This GSP supplies the following BSPs:

- Chichester & Hunston
- Fareham
- Fort Widley
- Havant
- Portsmouth
- Wymering

Lovedean GSP is located within the Southeast region of the SEPD licence area and currently supplies approximately 351,268 customers.

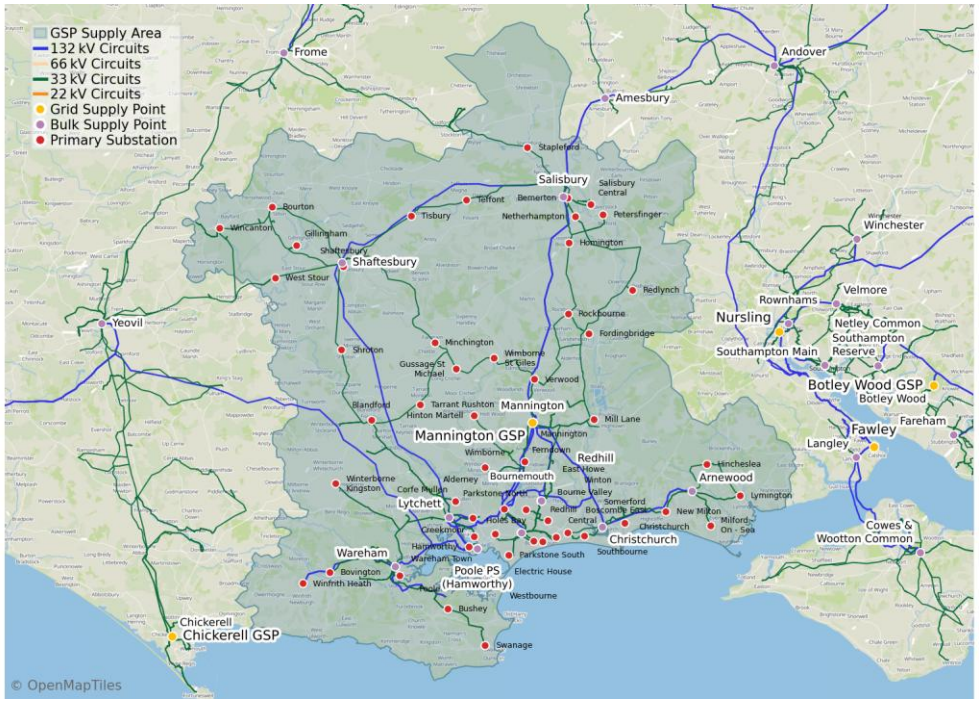
Table P2.10 Lovedean GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Birdham PSS	33	-	-	2026	Installation of two new CBs at Hunston BSP. New 33kV dual circuit from Hunston BSP to Birdham PSS.	CV1 - Primary Reinforcement
Selsey PSS	33	-	-	2027	Installation of a new 33kV indoor busbar at Selsey PSS. New 33kV dual circuit to be laid from Hunston BSP to Selsey PSS.	CV1 - Primary Reinforcement

					New 33kV single circuits from Selsey PSS to Ferry Farm Selsey PV and from Selsey PSS to Sidlesham farm PV.	
Ashling Road	33/11	26	31.1	2027	Replace the two existing 33/11kV transformers with new units. New 33kV circuit from Hunston BSP to Ashling Road PSS, requires a new CB at Hunston BSP.	CV1 - Primary Reinforcement
Chichester PSS	33/11	-	-	2028	Replace the two existing 33/11kV transformers with new units.	CV1 - Primary Reinforcement
South Berstead PSS	33/11	-	-	2028	Replace the two existing 33/11kV transformers with new units.	CV1 - Primary Reinforcement
North Fareham PSS	33	-	-	2028	Transfer North Fareham PSS to Botley Wood BSP (supplied by Botley Wood GSP). New 33kV circuits required.	CV1 - Primary Reinforcement
Horndean PSS	33/11	-	-	2029	New 33kV and 11kV switchgear. Installation of a third 33/11kV transformer.	CV1 - Primary Reinforcement
Fort Widley BSP	132/33	-	-	2029	Replace existing 132/33kV transformers with two new units.	CV1 - Primary Reinforcement
Horndean / Waterlooville 33kV network	33	-	-	2029	Reinforcement of Fort Widley 33kV CBs and addition of two new 33kV CBs. New 33kV circuit from Fort Widley BSP to Horndean PSS. Replacement of 33kV and 11kV switchgear at Horndean PSS. Network rearrangement.	CV1 - Primary Reinforcement
Lovedean GSP	132	-	-	2029	New 132kV indoor switch room and double busbar to accommodate 28 CBs.	CV1 - Primary Reinforcement
Emsworth PSS	33	-	-	2029	Build a new PSS for relocation of Emsworth. Install two ne 33/11kV transformers at the site. New 11kV switch room and transfer 11kV feeders to the new PSS. New 33kV dual circuit to connect	CV1 - Primary Reinforcement

					PSS to the existing 33kV network.	
Hoeford PSS	33	-	-	2030	Install a new 33kV board at the site and use a cable link to connect to the existing board. Installation of one additional 33/11kV transformer.	CV1 - Primary Reinforcement
Bilsham PSS	33	-	-	2030	Install new 33kV board and switch room. Installation of one additional 33/11kV transformer.	CV1 - Primary Reinforcement
Birdham PSS	33/11	13	28.35	2030	Replace the two existing 33/11kV transformers with new units.	CV1 - Primary Reinforcement
Brockhurst PSS	33	-	-	2031	New 33kV circuit from Fareham BSP to Brockhurst PSS. Installation of one additional 33/11kV transformer.	CV1 - Primary Reinforcement
Titchfield PSS	33	-	-	2031	Replace existing 33kV switchgear and replace existing board with indoor busbar system. Replace existing 33/11kV transformers with new units.	CV1 - Primary Reinforcement
Chalcraft Lane PSS	33/11	-	-	2031	Construction of a new PSS to accommodate load growth at South Berstead PSS. Install two 33/11kV transformers and lay new circuit from Shripney switching station to the new site.	CV1 - Primary Reinforcement
Fareham BSP	33	-	-	2031	Existing 33kV busbar replaced with new 33kV indoor double busbar.	CV1 - Primary Reinforcement
Portsmouth BSP	132/33	-	-	2031	New 132kV circuit from Fort Widley 132kV switching station to Portsmouth BSP. New 132/33kV transformer at Portsmouth BSP.	CV1 - Primary Reinforcement
Wymering BSP	132	-	-	2031	Wymering BSP transferred to be directly fed from Lovedean GSP. Requires three new 132kV circuits and three new 132kV CBs at Lovedean GSP.	CV1 - Primary Reinforcement

Mannington



Mannington GSP Information

This GSP supplies the following BSPs:

- Arnewood
- Bournemouth
- Christchurch
- Lytchett
- Mannington BSP
- Poole PS (Hamworthy)
- Redhill
- Salisbury
- Shaftesbury
- Wareham

Primaries directly connected to the GSP are:

- Winfrith Heath

Mannington GSP is located within the Wessex region of the SEPD licence area and currently supplies approximately 420.550 customers.

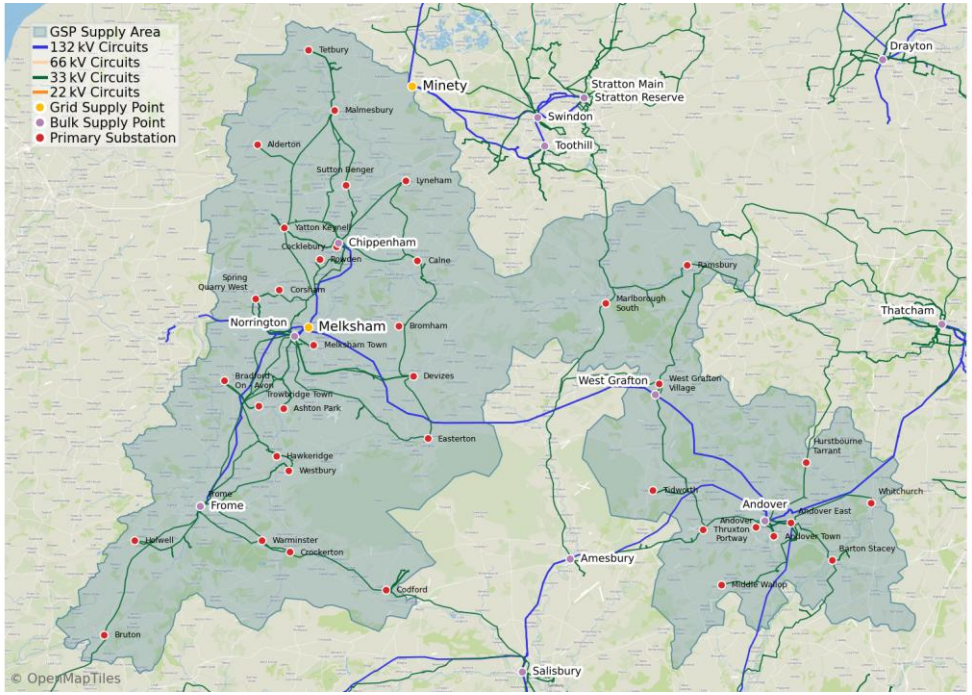
Table P2.11 Mannington GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Mannington GSP	132	-	-	2030	New 132kV Gas Insulated Switchgear	CV1 - Primary Reinforcement

Mannington BSP	132/33	-	-	2026	Two new 132/33kV transformers	CV7 - Asset health replacement
Wimborne PSS	33/11	19.5	40	2026	Two new 33/11kV transformers	CV1 - Primary Reinforcement
Mill Lane PSS	-	-	-	2026	Replace part of circuit between Mill Lane PSS and Fording bridge PSS	CV1 - Primary Reinforcement
Mill Lane PSS	33/11	-	-	2029	New 33kV busbar and 33/11kV transformers	CV7 - Asset health replacement
Shaftesbury BSP	132	-	-	2030	Two new 132kV circuits from Mannington GSP to Shaftesbury BSP	CV1 - Primary Reinforcement
West Stour PSS	33/11	-	-	2027	Replace one of the 33/11kV transformers	CV7 - Asset health replacement
Christchurch BSP	132	-	-	2030	Two new 132kV circuits from Mannington GSP to Christchurch BSP	CV1 - Primary Reinforcement
Lytchett BSP	33	-	-	2028	New 33kV switchboard	CV1 - Primary Reinforcement
Winterborne Kingston PSS	33/11	9.7	22.68	2026	Two new 33/11kV transformers with a higher rating, two new 33kV circuit breakers, seven new 11kV circuit breakers	CV7 - Asset health replacement
Wareham BSP	132/33	28.35	42.525	2026	Two new 132/33kV transformers and two new 33kV transformer circuit breakers	CV7 - Asset health replacement
Wareham Town PSS	33/11	-	-	2027	Two new 33/11kV transformers and new 33kV circuit breakers	CV7 - Asset health replacement
Swanage PSS	33/11	13	37.8	2028	Two new 33/11kV transformers	CV1 - Primary Reinforcement
Salisbury BSP	33	-	-	2028	New 33kV GIS boards at Salisbury BSP	CV1 - Primary Reinforcement
Petersfinger PSS	33	-	-	2029	New 33kV circuits from Salisbury BSP to Petersfinger PSS and a new 33kV GIS board at Petersfinger PSS	CV1 - Primary Reinforcement

Netherhampton PSS	33	-	-	2029	New 33kV circuits from Salisbury BSP to Netherhampton PSS and a new 33kV GIS board at - Netherhampton PSS	CV1 - Primary Reinforcement
Arnewood BSP	132/33	-	-	2026	Two new 132/33kV transformers	CV7 - Asset health replacement
Arnewood BSP	132/33	-	-	2030	Third additional 132/33kV transformer, new 33kV circuit breakers and a new 132kV board	CV1 - Primary Reinforcement
Milford on Sea PSS	33/11	-	-	2026	Replace two 33/11kV transformers and 33kV circuit breakers	CV7 - Asset health replacement
Victoria Park Switching Station	33	-	-	2029	Replacing 6 x 11kV circuit breakers with 33kV circuit breakers	CV7 - Asset health replacement
Winton PSS	33/11	-	-	2028	33/11kV transformer reinforcements and a new 11kV board	CV1 - Primary Reinforcement
Hamworthy PSS	33	-	-	2028	New 33kV gas insulated switchgear busbar	CV7 - Asset health replacement
Poole PSS	33/11	-	-	2027	Replace 33/11kV transformers and 12 new 11kV circuit breakers	CV7 - Asset health replacement
Winfrith Heath PSS	132/11	-	-	2027	Two new 132/11kV transformers	CV7 - Asset health replacement
Bournemouth BSP	132/33	-	-	2026	New 132/33kV transformer and 132kV transformer circuit breaker	CV7 - Asset health replacement

Melksham



Melksham GSP Information

This GSP supplies the following BSPs:

- Andover
- Chippenham
- Frome
- Norrington
- West Grafton

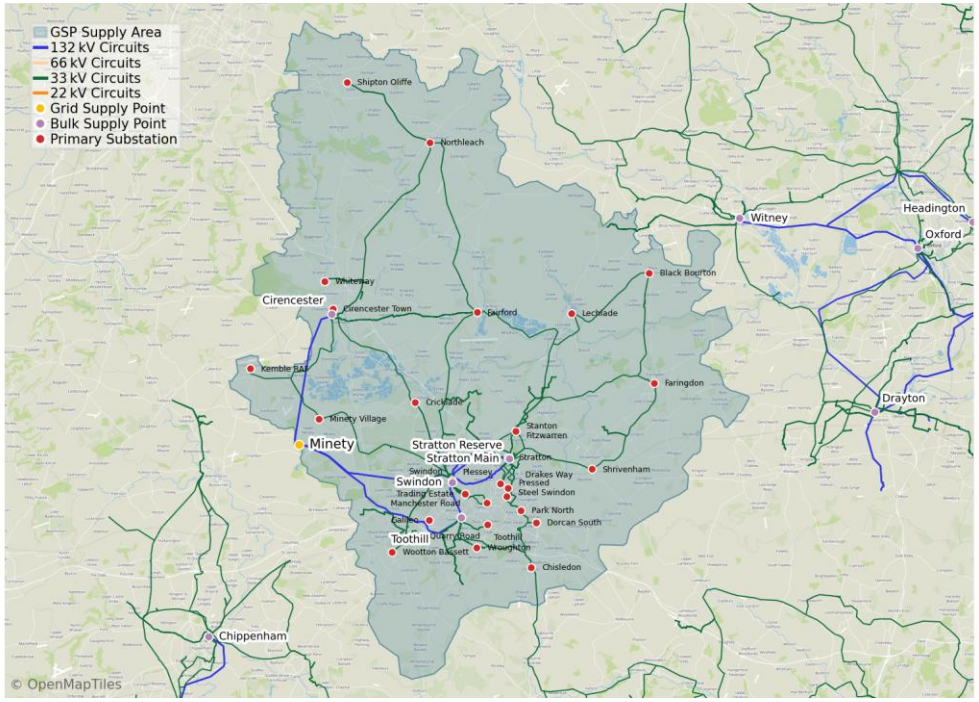
Melksham GSP is located within the Ridgeway region of the SEPD licence area and currently supplies approximately 220,151 customers.

Table P2.12 Melksham GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Whitchurch Barton-Stacey	33	-	-	2035	Reinforcement on primary transformers	CV1 - Primary Reinforcement

Whitchurch Barton-Stacey	33	-	-	2031	Reinforcement circuit between the Whitchurch primary and Barton Stacey primary. Addition of a 9.3 km UG cable with an upgraded rating.	CV1 - Primary Reinforcement
Ashton Park	33/11	-	-	2032	Addition of two new cable circuits between Norrington BSP and Ashton Park Primary, along with a new 33kV GIS board and a 15/30MVA 33/11kV transformer at Ashton Park PSS	CV1 - Primary Reinforcement
Chippenham	33	-	-	2028	Installation of a new 33kV GIS board at Chippenham BSP	CV1 - Primary Reinforcement
Sutton Benger	33	-	-	2031	New 33kV circuit from Chippenham to Sutton Benger PSS	CV1 - Primary Reinforcement
Rowden	33	-	-	2030	Addition of a third transformer, a new 33kV ID GIS busbar and new cable circuit from Chippenham to Rowden.	CV1 - Primary Reinforcement
Alderton	33/11	3	14.1	2031	New 33kV circuit between Alderton and Yatton Keynell PSS, along with the replacement of the Alderton 33/11kV transformer with a higher-rated one.	CV1 - Primary Reinforcement

Minety



Minety GSP Information

This GSP supplies the following BSPs:

- Cirencester
- Stratton
- Swindon
- Toothill

Primaries directly connected to the GSP are:

- Galileo

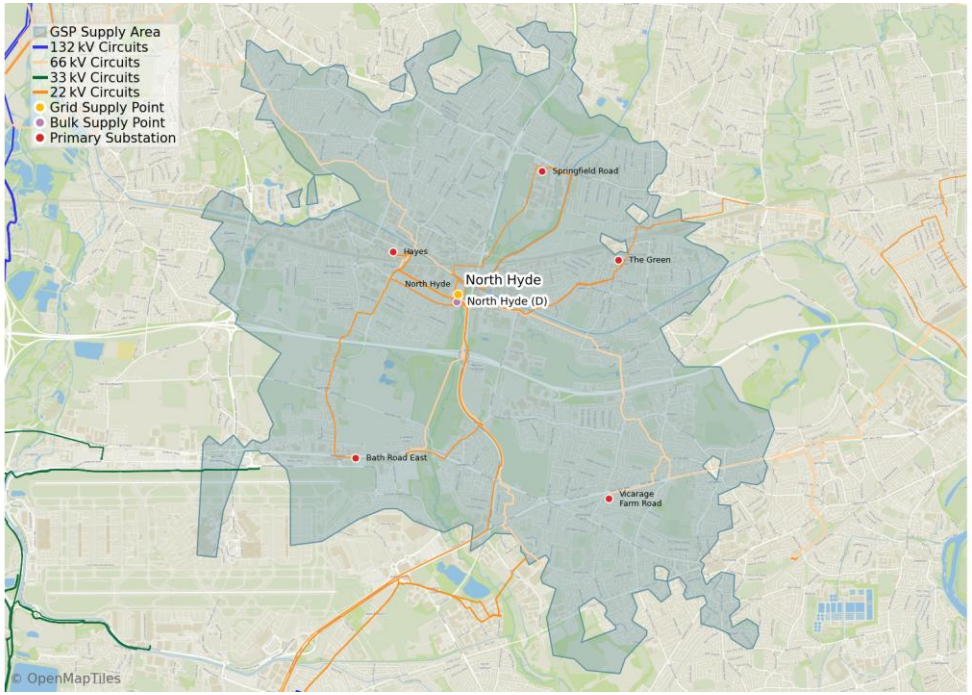
Minety GSP is located within the Ridgeway region of the SEPD licence area and currently supplies approximately 153,849 customers.

Table P2.13 Minety GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Stratton Reserve BSP.	132/33	76.5	114.75	2027	Reinforcement of the existing 2 x 60MVA transformers to 2 x 90MVA units.	CV7 - Asset Replacement
Cirencester BSP to Minety Village PSS - 33kV circuits.	33	-	-	2031	Additional 33kV 9.65km dual circuits installed between Cirencester BSP and Minety Village PSS.	CV1 - Primary Reinforcement.

Cirencester BSP to Cricklade PSS 33kV circuits.	33	-	-	2031	Additional 33kV 12.7km circuit installed between Cirencester BSP and Cricklade PSS.	CV1 - Primary Reinforcement.
Faringdon PSS.	33	-	-	2029	Reinforcement of the existing transformers at Faringdon PSS from 2 x 14.3MVA units to 2 x 20/40MVA units and the extension of the 33kV busbar along with new circuit breaker. Installation of an additional 33kV circuit from Stratton Reserve BSP to Faringdon PSS.	CV1 - Primary Reinforcement.
Pressed Steel Swindon PSS.	33	-	-	2028	Reinforcement of the 4 existing transformers at Pressed Steel Swindon PSS to 4 x 15/30MVA units and 33kV board replacement.	CV7 - Asset Replacement

North Hyde



North Hyde GSP Information

This GSP supplies the following BSPs:

- North Hyde

Primaries directly connected to the GSP are:

- Hayes
- North Hyde 11
- Vicarage Farm Road

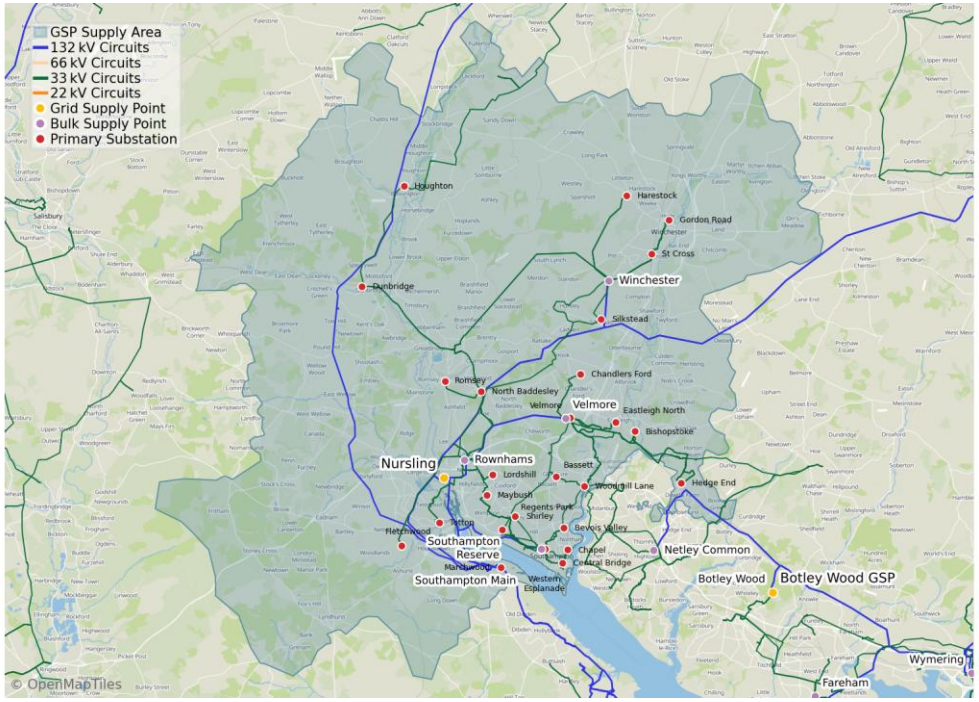
North Hyde GSP is located within the Thames Valley region of the SEPD licence area and currently supplies approximately 81,839 customers.

Table P2.14 North Hyde GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
North Hyde GSP to Vicarage Farm Road PSS 66kV Circuits	66	-	-	2027	Overlay 66kV fluid filled cables from North Hyde GSP to Vicarage Farm Road PSS	CV7 – Asset Replacement
Hayes PSS	66/11	-	-	2030	Installation of a third 60MVA 66/11kV transformer and replacement of 11kV switchboard with new arrangement.	CV1 – Primary Reinforcement

Bath Road East PSS	66/11	-	-	2030	Replacement of two existing transformers at Bath Road East PSS with 40MVA 66/11kV transformers and the 11kV board. New circuits to connect directly to the new North Hyde BSP 66kV busbar.	CV1 – Primary Reinforcement
North Hyde BSP	132	-	-	2028	New 132kV double busbar installed (operated at 66kV), connect North Hyde BSP (22kV) to the new busbar, Hayes PSS, and North Hyde PSS initially.	CV1 – Primary Reinforcement
The Green PSS	-	-	-	2030	Move all connected secondary substations to Springfield Road PSS through, making The Green PSS redundant.	CV2 – Secondary Reinforcement
North Hyde PSS	66/11	-	-	2028	Replace the three existing transformers with new 60MVA 66/11kV transformers and replacement of 11kV switchboard with new arrangement.	CV1 – Primary Reinforcement
Springfield Road PSS	66/11	-	-	2030	Reinforcement of three transformers with 66/11kV 40MV transformers, replacement of 11kV board, three new circuit breakers and circuits to connect to North Hyde BSP at 66kV.	CV1 – Primary Reinforcement

Nursling



Nursling GSP Information

This GSP supplies the following BSPs:

- Rownhams
- Southampton
- Velmore
- Winchester

Primaries directly connected to the GSP are:

- Mel Marchwood

Nursling GSP is located within the Wessex region of the SEPD licence area and currently supplies approximately 193,368 customers.

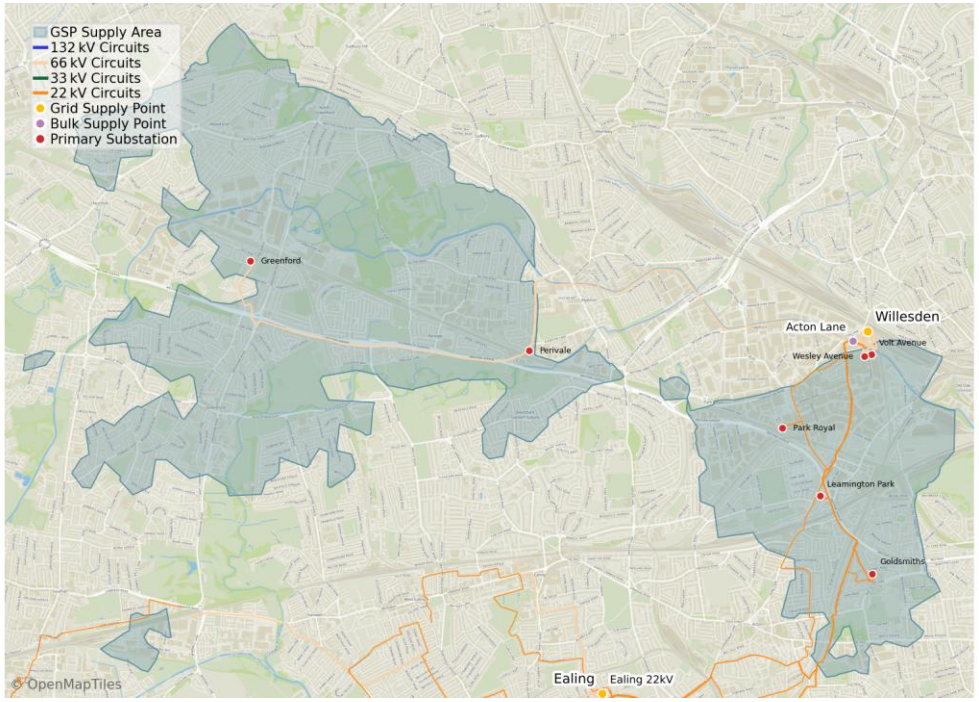
Table P2.15 Nursling GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
North Baddesley	33/11	19.5	28.35	2026	Change twin 15MVA transformers to 15/30MVA CER units, upgrade circuits	CV1 - Primary Reinforcement
Nursling GSP	132	-	-	2030	Indooring of the existing 132kV busbar, and the separation of Nursling GSP into Nursling A and B, connected via interconnectors.	CV1 - Primary Reinforcement.

Southampton BSP	33	-	-	Phase 1: 2028 Phase 2: 2030	Phase 1: Indooring of the 33kV board for both main and reserve, creating space at the substation site for the construction of the new BSP. Phase 2: Construction of the additional site at Southampton BSP, including the installation of 3 additional 90MVA transformers and a new 132kV switchboard. Additional dual 132kV 9.76km circuit installed between Nursling GSP and the new Southampton BSP.	CV1 - Primary Reinforcement.
Central Bridge PSS	33	-	-	2029	Indooring of the 33kV switchboard at Central Bridge PSS.	E2 - Environmental Reporting.
Central Bridge PSS to Old Docks PSS Circuits.	33	-	-	2028	Reinforcement of the dual 33kV 0.54km circuits between Central Bridge PSS and Old Docks PSS.	CV1 - Primary Reinforcement.
Southampton BSP to Bevois Valley PSS Circuits.	33	-	-	2027	Reinforcement of 2.5km of the Southampton BSP to Bevois Valley PSS 33kV circuits.	E2 - Environmental Reporting.
Southampton BSP to Central Bridge PSS Circuits.	33	-	-	2028	Reinforcement of the 3 existing 33kV 1.93km circuits between Southampton BSP and Central Bridge PSS.	CV1 - Primary Reinforcement.
Southampton BSP to Western Esplanade PSS Circuits.	33	-	-	2027	Reinforcement of the 33kV circuits between Southampton BSP to Western Esplanade PSS.	E2 - Environmental Reporting.

Rownhams BSP to North Baddesley PSS 33kV Circuits	33	-	-	2026	Reinforcement and undergrounding of 8km of 33kV circuits between Rownhams BSP and North Baddesley.	CV1 - Primary Reinforcement.
Romsey PSS	33	-	-	2027	Reinforcement of the two existing transformers at Romsey PSS from 16MVA to 40MVA units, and the installation of 2 x 33kV CBs.	CV1 - Primary Reinforcement.

Willesden



Willesden GSP Information

This GSP supplies the following BSPs:

- Acton Lane

Primaries directly connected to the GSP are:

- Canal Bank 11kV
- Greenford
- Perivale

Willesden GSP is located within the Thames Valley region of the SEPD licence area and currently supplies approximately 47,791 customers.

Table P2.16 Willesden GSP reinforcement projects in detailed development and delivery

Substation Name	Primary/Secondary Voltage (kV)	Existing Capacity (MVA)	Updated Capacity (MVA)	Forecast Completion Date	Project Description	Driver
Wesley Avenue	-	-	-	2026	2x60/30 3 winding CMRs	CV1 - Primary Reinforcement
Leamington Park Substation	22/11	15.3	53.28	2027	Install two 22/11kV, 24MVA transformers and new 11kV switchgear. The capacity at 22/11kV will be increased accordingly.	CV1 - Primary Reinforcement

Perivale 66kV busbar and Park Royal Primary substation (PSS)	66/11	-	-	2029	Installation of a 66kV busbar at the Perivale primary substation site. Install two new 66/11-6.6kV transformers. Connect Greenford and Perivale primary substations to the new 66kV busbar at Perivale.	CV1 - Primary Reinforcement

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