# SSEN Distribution DNOA OUTCOMES REPORT

e NESSI!!!

May 2025



**DSO** Powering Change

## DNOA OUTCOMES REPORT

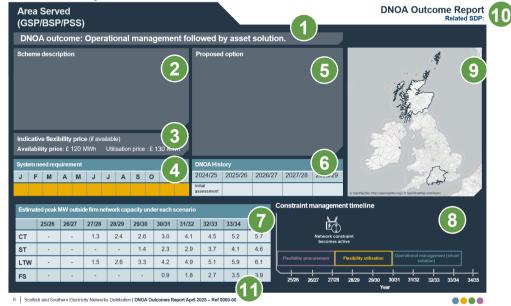
May 2025

## •••• Contents



## How to view this report

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



### **DNOA** outcome:

2

3

■ The overall DNOA outcome from the process.

### Scheme description:

- This section describes the location where a system need has been identified and where capacity is released (if relevant). This is accompanied with indicative postcodes for the customer areas related to this scheme as well as the relevant local authorities.
- The type of constraint on the network is included.

## Indicative flexibility price:

- The indicative average flexibility price used in the techno-economic assessment is given in this section where relevant and available. This is typically in a 2020/21 price base.
- This is given as an availability (£/MW/h) and utilisation (£/MWh) price.

### **Proposed option:**

- An outline of the proposed solution option aligned with the defined outcomes in the DNOA methodology. A summary of where the proposed option resolves constraints and for how long is also provided.
- An estimated value for the capacity released by the delivery of any works required can be found here. It does not necessarily relate to available capacity.

### System need requirement:

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

## **DNOA** history:

6

8

A record of the outcome report status.

## Estimated peak MW outside firm capacity:

The forecasted exceedance of load over the firm capacity of the relevant area of the network. Numbers in parenthesise indicate exceedance without network reinforcement.

## Constraint management timeline:

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

### Scheme map:

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

## **Related SDP:**

The Strategic Development Plan (SDP) which covers the area referred to in the report is noted.

## Reference:



# Index of DNOA outcomes - SHEPD

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

DNOA outcome	Flexibility utilisation period	Indicative postcode areas		
– Pg. 15	2027/28-2034/35 (7 years)	IV27		
Ref. 0525-09 – North East Inverness (Raigmore PSS) – Pg.16	2027/28 – 2029/30 (2 years)	IV1, IV2, IV3		

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

DNOA outcome	Capacity increase from	Indicative postcode areas
Ref. 0525-01 – Aberdeenshire (Midmar PSS) – Pg.8	2029/30	AB31. AB32. AB34, AB51
Ref. 0525-02 – Achiltibuie (Grudie Bridge GSP) – Pg.9	2029/30	IV26
Ref. 0525-03 – Ardnamurchan (Salen 2 PSS) – Pg.10	2028/29	PH36
Ref. 0525-04 – Arran (33kV) (Brodick and Machrie PSSs) – Pg.11	2027/28	KA27
Ref. 0525-05 – Broadford (Drynoch PSS and Lower Ollach PSS – New Site) – Pg.12	2027/28	IV42, IV49, IV54
Ref. 0525-07 – Dornoch (Dornoch PSS) – Pg.14	2029/30	IV24, IV25
Ref. 0525-08 – Laxay (Laxay PSS) – Pg.15	2028/29	HS1

# Index of DNOA outcomes - SEPD

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

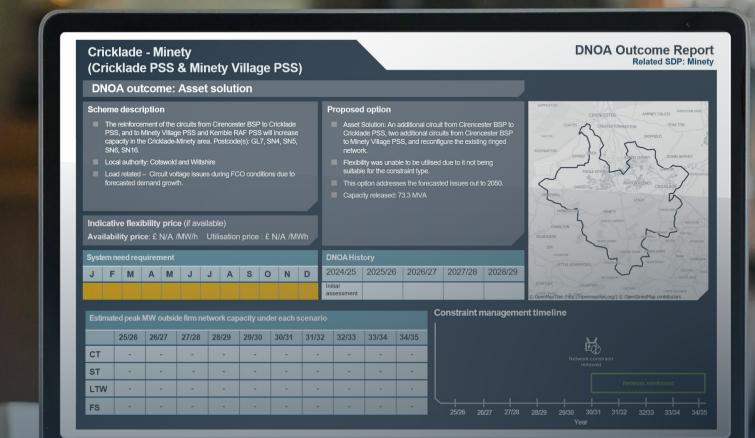
DNOA outcome	Flexibility utilisation period	Indicative postcode areas
Ref. 0525-14 – Selsey (Selsey PSS) – Pg.25	2032/33 -2034/35 (2 years)	PO16, PO18, PO19, PO20, PO21
Ref. 0525-15 - South Chippenham (Rowden PSS) – Pg.26	2027/28 -2029/30 (2 years)	BA13, SN8, SN13, SN14, SN15
Ref. 0525-18 - Whitchurch (Whitchurch PSS) – Pg.33	2032/33 - 2034/35 (2 years)	RG28, SP11
Ref. 0525-19 - Wiltshire (Netherhampton PSS) – Pg.34	2029/30 - 2030/31 (2 years)	SP1 - SP5
Ref. 0525-20 - Wiltshire (Salisbury GSP, Netherhampton PSS) – Pg.35	2028/29 - 2029/30 (1 year)	SP1, SP2, SP4, SP5, SP9.

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

DNOA outcome	Capacity increase from	Indicative postcode areas
Ref. 0525-10 - Chippenham (Chippenham PSS) – Pg.21	2027/28	SN4, SN11, SN13-16, GL8
Ref. 0525-11 - Crickdale - Minety (Crickdale PSS & Minety Village PSS) – Pg.22	2028/29	GL7, SN4, SN5, SN6, SN16
Ref. 0525-12 - Felpham (South Bersted PSS) – Pg.23	2031/32	PO21, PO22
Ref. 0525-13 - Malmesbury (Chippenham BSP 33kV ring network) – Pg.24	2030/31	GL8, SN14, SN15, SN16
Ref. 0525-16 - Southampton and Winchester (Nursling GSP) – Pg.27	2030/31	BH23, BH31, SO14-24, SO30-32, SO40-45, SO50-53, SP11, SP3, SP5
Ref. 0525-17 - Whitchurch (33kV circuits feeding Whitchurch PSS) – Pg.28	2030/31	RG28, SP11

2





# **DNOA OUTCOMES - SHEPD**

## SHEPD HV/LV Flexibility

Area	Local authority	Number of sites assessed	<b>Percentage of sites situated in vulnerable communities</b> (i.e. classified as very high or high vulnerability)	Percentage of sites recommending flexibility
SHEPD	Aberdeen City	56	23%	52%
SHEPD	Aberdeenshire	295	36%	46%
SHEPD	Angus	60	52%	40%
SHEPD	Argyll and Bute	48	77%	21%
SHEPD	Clackmannanshire	1	100%	100%
SHEPD	Dundee City	29	55%	24%
SHEPD	Highland	197	78%	45%
SHEPD	Moray	75	65%	43%
SHEPD	Na h-Eileanan Siar	107	55%	56%
SHEPD	North Ayrshire	3	67%	67%
SHEPD	Orkney Islands	20	75%	25%
SHEPD	Perth and Kinross	126	58%	46%
SHEPD	Shetland Islands	9	67%	11%
SHEPD	Stirling	29	52%	24%
SHEPD	West Dunbartonshire	3	100%	67%

## Aberdeenshire (Midmar PSS)

## **DNOA Outcome Report**

**Related SDP: Kintore** 

## DNOA outcome: Operational management followed by asset solution.

#### Scheme description

0.23

0.43

0.18

LTW

FS

0.34

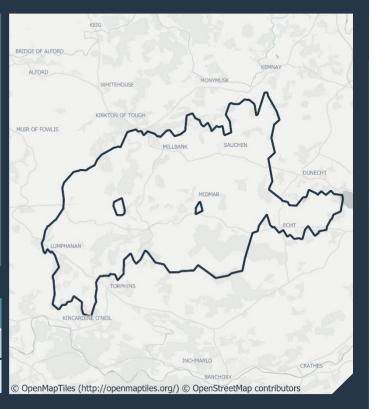
0.54

0.24

- The reinforcement of the Midmar PSS will increase capacity in the Aberdeenshire area. Postcode(s): AB31. AB32. AB34. AB51.
- Local authority: Aberdeenshire
- Load related substation thermal overload issues during intact conditions due to forecasted demand growth.

#### Proposed option

- Smart Solution/Asset Solution: Replace the existing transformer with a larger unit and add another transformer to provide redundancy for 33kV FCO.
- Flexibility was unable to be utilised due to insufficient flexible assets.
- This option addresses the forecasted thermal overload at Midmar PSS out to 2050
- Capacity released: 3.13MVA



#### Indicative flexibility price (if available)

Availability price: £ N/A /MW/h Utilisation price : £ N/A /MWh

Syste	System need requirement										
J	F	Μ	Α	Μ	J	J	Α	S	0	Ν	D

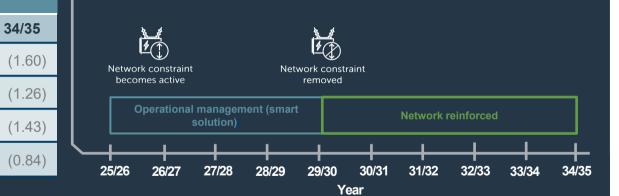
0.44

0.65

0.29

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

#### **Constraint management timeline**



Estimated peak MW outside firm network capacity under each scenario 25/26 26/27 27/28 28/29 29/30 30/31 31/32 32/33 33/34 СТ 0.32 0.63 (1.03)(1.19)(1.29)(1.39)(1.49)0.47 0.82 ST (0.92)

(0.67)

(0.89)

(0.42)

(0.78)

(1.04)

(0.49)

(1.13)

(0.58)

(1.03)

(1.23)

(0.66)

(1.14)

(1.34)

(0.75)

0.52

0.76

0.35



## Achiltibuie (Grudie Bridge GSP)

## **DNOA Outcome Report**

**Related SDP: Beauly** 

## DNOA outcome: Operational management followed by asset solution.

#### **Scheme description**

FS

- The reinforcement of the Grudie Bridge GSP will increase capacity in the Achiltibuie area. Postcode(s): IV26.
- Local authority: Highland Council
- Load related voltage issues during intact condition due to forecasted demand growth.

#### **Proposed option**

(0.01)

- Asset Solution: Installation of two 4MVAr STATCOMs at Achiltibuie PSS.
- Flexibility is unavailable due to insufficient flexibility assets.
- This option addresses the forecasted voltage issues at Grudie Bridge GSP.
- Capacity released: 1.43 MVA



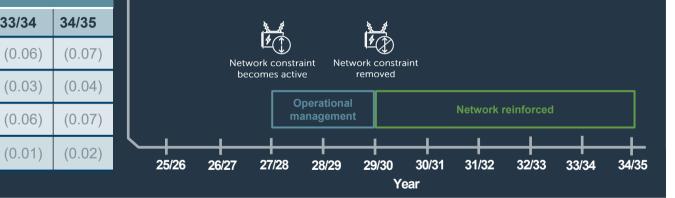
Availability price: £ N/A /MW/h Utilisation price : £ N/A /MWh

Syste	System need requirement										
J	F	Μ	Α	Μ	J	J	Α	S	0	Ν	D

Estimated peak M/W outside firm patwork capacity upday

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





Estimated peak MW outside firm network capacity under each scenario										
	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	
СТ	-	-	0.01	0.02	(0.02)	(0.03)	(0.04)	(0.05)	(0.06	
ST	-	-	-	-	(0.001)	(0.01)	(0.01)	(0.02)	(0.03	
LTW	-	-	0.01	0.02	(0.03)	(0.04)	(0.04)	(0.06)	(0.06	



## Ardnamurchan (Salen 2 PSS)

## **DNOA Outcome Report**

**Related SDP: Inverarnan** 

## DNOA outcome: Operational management followed by asset solution.

#### **Scheme description**

25/26

0.43

0.43

0.53

0.33

СТ

ST

LTW

FS

- The reinforcement of the Salen 2 PSS will increase capacity in the Ardnamurchan peninsula area. Postcode(s): PH36.
- Local authority: Highland Council
- Load related substation thermal overload issues during network intact conditions, with additional increased resilience requirements due to forecasted demand growth.

#### **Proposed option**

- Smart/Asset Solution: Reinforcement of 33/11kV transformer at Salen PSS, and installation of a new primary substation near Loch Mudle.
- Flexibility was unable to be utilised due to network resilience requirements.
- This option addresses the forecasted thermal overload at Salen 2 PSS out to 2050.
- Capacity released: 0.65MVA



#### Indicative flexibility price (if available)

26/27

0.53

0.43

0.53

0.43

Availability price: £ N/A /MW/h Utilisation price : £ N/A /MWh

Syst	System need requirement										
J F M A M J J A S O N E									D		

27/28

0.63

0.43

0.63

0.43

Estimated peak MW outside firm network capacity under each scenario

28/29

(0.73)

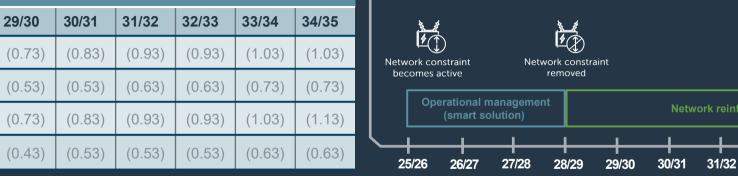
(0.43)

(0.63)

(0.43)

<b>DNOA Hist</b>	tory			
2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

#### Constraint management timeline







34/35

32/33

33/34

## Arran 33kV circuits (Brodick, Whiting Bay and Machrie PSSs)

## **DNOA Outcome Report**

**Related SDP: Port Ann and Carradale** 

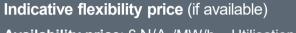
## DNOA outcome: Operational management followed by asset solution.

#### **Scheme description**

- The reinforcement of the Brodick and Machrie PSSs will increase capacity in the Arran area. Postcode(s): KA27.
- Local authority: North Ayrshire Council
- Load related substation thermal overload during FCO conditions and voltage issues during both intact and FCO conditions due to forecasted demand growth.

#### Proposed option

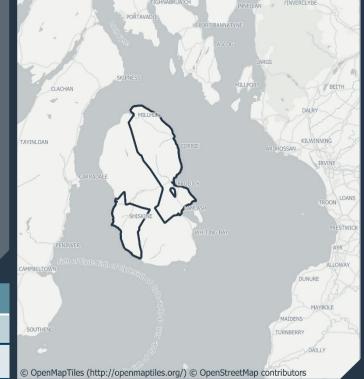
- Smart Solution/ Asset Solution: Construction of a new switching station at Brodick PSS including voltage regulating assets and the installation of a second primary transformer at Machrie PSS.
- Flexibility was unable to be utilised due to it not being suitable for the constraint type.
- This option addresses the forecasted thermal overload at Machrie PSS and the local voltage issues at Brodick and Whiting Bay PSSs into ED3 (2029-2031).
- Capacity released: 4.46MVA

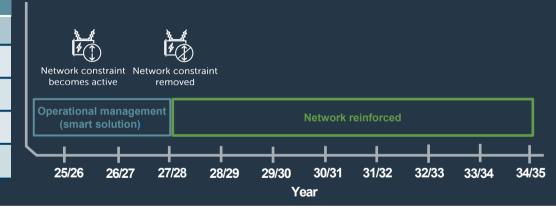


Availability price:  $\pounds$  N/A /MW/h Utilisation price :  $\pounds$  N/A /MWh

System need requirement											
J	F	Μ	Α	Μ	J	J	Α	S	0	Ν	D

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





Estimate	ed peak N	IW outsid	de firm net	twork cap	acity und	ler each s	cenario	

	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35
СТ	0.21	0.34	(0.48)	(0.59)	(0.71)	(0.82)	(0.91)	(1.03)	(1.16)	(1.26)
ST	0.10	0.09	(0.12)	(0.15)	(0.20)	(0.25)	(0.31)	(0.39)	(0.47)	(0.57)
LTW	0.27	0.33	(0.43)	(0.52)	(0.65)	(0.80)	(0.91)	(1.03)	(1.15)	(1.26)
FS	0.09	0.08	(0.11)	(0.15)	(0.19)	(0.23)	(0.28)	(0.34)	(0.40)	(0.47)



## Broadford (Drynoch PSS and Lower Ollach PSS – New Site)

## **DNOA Outcome Report**

**Related SDP: Outer Hebrides and Skye** 

## DNOA outcome: Operational management followed by asset solution.

#### **Scheme description**

- The reinforcement of the Lower Ollach and Drynoch PSSs will increase capacity in the Highlands and Islands area. Postcode(s): IV42, IV49, IV54.
- Local authority: Highland

Indicative flexibility price (if available)

Load related – substation thermal overload and voltage issues during intact conditions due to forecasted demand growth.

### Proposed option

- Smart Solution/Asset Solution: Build a new 4MVA primary substation at Sconser. Reinforce and reconfigure the 11kV network to fix the voltage and thermal issues.
- Flexibility was unable to be utilised due to insufficient flexible assets.
- This option addresses the forecasted thermal overload and voltage issues beyond 2033 (end of ED3). Additional reinforcement of the 11kV network is required within and beyond ED3 for a constraint-free network up to at least 2050.
- Capacity released: 0.05MVA

GLENDALE DUNVEGAN ACHACHORK ROAG OSE SERUAN FISIRMAIG SATRAN SCONSER	
FLGOL TOR	BROADFOF
KINLOCH CLEADALE	Surder Carlo
© OpenMapTiles (http://openmaptiles.org/) © OpenStreetMap contributo	

# System need requirement J F M A M J J A S O N D

Availability price: £ N/A /MW/h Utilisation price : £ N/A /MWh

<b>DNOA Hist</b>	tory			
2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

#### Estimated peak MW outside firm network capacity under each scenario

	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35
СТ	-	-	-	-	-	-	-	-	-	-
ST	-	-	-	-	-	-	-	-	-	-
LTW	-	-	-	-	-	-	-	-	-	-
FS	-	-	-	-	-	-	-	-	-	-







## Cam Loch and Loch Uriguill area (Drumrunie PSS)

## **DNOA Outcome Report**

**Related SDP: Beauly** 

## **DNOA** outcome: Flexibility

#### **Scheme description**

- The flexibility utilisation for Drumrunie PSS will increase capacity in the Cam Loch and Loch Uriguill area. Postcode(s): IV27.
- Local authority: Highland
- Load related substation thermal overload during intact conditions due to forecasted demand growth.

#### Proposed option

- Flexibility: The peak load is expected to go above the transformer capacity in 2028, flexibility utilisation was found to be the most economic proposal.
- This option addresses the forecasted thermal overload issues at Drumrunie PSS out to 2035.
- Capacity released through flexibility: 0.007MVA by end of ED2, up to 0.068MVA by end of 2035.

Indicative flexibility price (if available)

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

System need requirement											
J	F	Μ	Α	Μ	J	J	Α	S	0	Ν	D

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



Estimat	Estimated peak MW outside firm network capacity under each scenario									
	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35
СТ	-	-	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07
ST	-	-	-	-	0.00	0.01	0.01	0.02	0.03	0.04
LTW	-	-	0.01	0.02	0.03	0.04	0.04	0.06	0.06	0.07
FS	-	-	-	-	-	-	0.00	0.01	0.01	0.02





## Dornoch (Dornoch PSS)

## **DNOA Outcome Report**

**Related SDP: Mybster** 

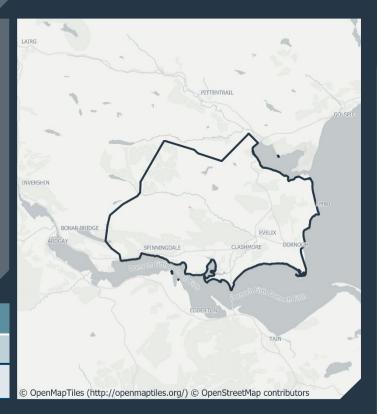
## DNOA outcome: Operational management followed by asset solution.

#### **Scheme description**

- The reinforcement of the Dornoch PSS will increase capacity in the Dornoch area. Postcode(s): IV24, IV25.
- Local authority: Highland Council
- Load related substation thermal overload issues during network intact conditions due to forecasted demand growth.

#### Proposed option

- Asset Solution: Installation of an additional 1 x 8MVA primary substation approximately 1km from the original site.
- Flexibility was unable to be utilised due to forecasted insufficient flexible assets.
- This option addresses the forecasted demand growth at Dornoch PSS out to 2035.
- Capacity released: 1.96MVA



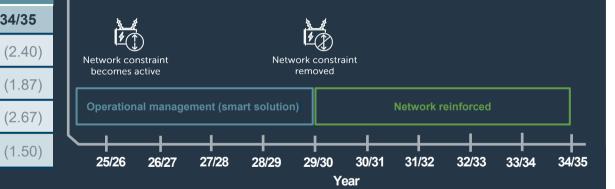
Indicative flexibility price (if available)

Availability price: £ N/A /MW/h Utilisation price : £ N/A /MWh

## System need requirement

J	F	Μ	Α	Μ	J	J	Α	S	0	Ν	D

<b>DNOA Hist</b>	tory			
2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				



Estimat	ted peak N	/IW outsic	de firm net	twork cap	acity und	er each s	cenario			
	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	3
СТ	0.97	1.16	1.36	1.58	(1.87)	(2.05)	(2.14)	(2.22)	(2.30)	(
ST	0.84	0.96	1.07	1.17	(1.34)	(1.44)	(1.53)	(1.63)	(1.74)	(
LTW	1.09	1.27	1.48	1.72	(2.03)	(2.26)	(2.36)	(2.46)	(2.57)	(
FS	0.70	0.79	0.86	0.94	(1.04)	(1.13)	(1.21)	(1.30)	(1.40)	(



## Laxay (Laxay PSS)

## **DNOA Outcome Report**

Related SDP: Outer Hebrides and Skye

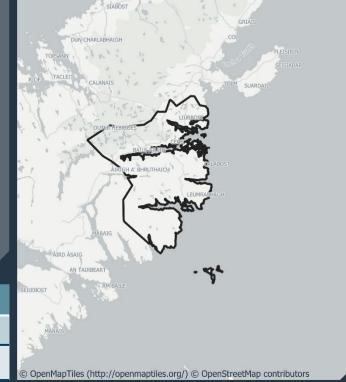
## DNOA outcome: Operational management followed by asset solution.

#### **Scheme description**

- The reinforcement of Laxay PSS will increase capacity in the Laxay area. Postcode(s): HS1.
- Local authority: Na h-Eileanan Siar
- Load related substation thermal overload during FCO conditions due to forecasted demand growth.

#### **Proposed option**

- Asset Solution: Upgrade the existing transformer and install an additional transformer at Laxay PSS. Install a 33kV board at Laxay PSS and extend a 33kV circuit from Stornoway to establish a second 33kV supply to Laxay PSS. Install a new 11kV board and reinforce the 11kV network at Laxay PSS.
- Flexibility could not be used as it does not address specific security of supply issues.
- This option addresses the forecasted thermal issues at Laxay PSS out to 2050.
  - Capacity released: 3.8 MVA



Indicative flexibility price (if available)

Availability price: £ N/A /MW/h Utilisation price : £ N/A /MWh

#### System need requirement

J	F	Μ	Α	Μ	J	J	Α	S	0	Ν	D

Estimated peak MW outside firm network capacity under each scenario

<b>DNOA Hist</b>	DNOA History											
2024/25	2025/26	2026/27	2027/28	2028/29								
Initial assessment												

### **Constraint management timeline**

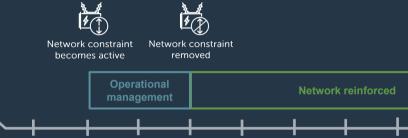
25/26

26/27

	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35
СТ	-	-	2.23	(4.56)	(6.93)	(8.98)	(10.51)	(12.26)	(14.24)	(16.11)
ST	-	-	-	(0.35)	(1.88)	(3.13)	(4.79)	(6.36)	(8.26)	(10.32)
LTW	-	0.56	2.59	(4.63)	(7.01)	(9.26)	(11.00)	(12.80)	(14.89)	(16.89)
FS	-	-	-	-	-	(0.95)	(2.18)	(3.46)	(4.89)	(6.39)



27/28



28/29

29/30

30/31

Year

31/32

32/33

33/34



34/35

## Northeast Inverness (Raigmore PSS)

## **DNOA Outcome Report**

Related SDP: Inverness and Aviemore

## DNOA outcome: Flexibility followed by asset solution.

#### Scheme description

- The reinforcement of the Raigmore PSS will increase capacity in the Northeast Inverness area. Postcode(s): IV1. IV2. IV3.
- Local authority: Highland
- Load related substation thermal overload during FCO conditions due to forecasted demand growth.

#### Proposed option

- Flexibility/Asset Solution: Build a new PSS with new shared 33kV circuits to Raigmore PSS and the new PSS to decrease the load on Raigmore PSS.
- This option addresses the forecasted thermal overload at Raigmore PSS out to 2050.
- Capacity released: 34MVA



Indicative flexibility price (if available)

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

Syst	System need requirement											
J	J F M A M J J A S O N D											

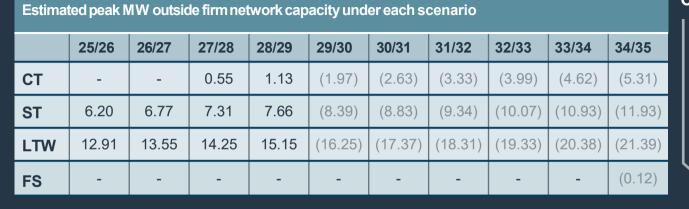
<b>DNOA Hist</b>	ory			
2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

#### **Constraint management timeline**

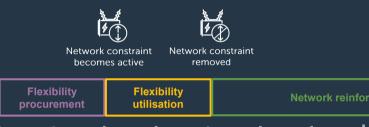
26/27

27/28

25/26







28/29

30/31

31/32

32/33

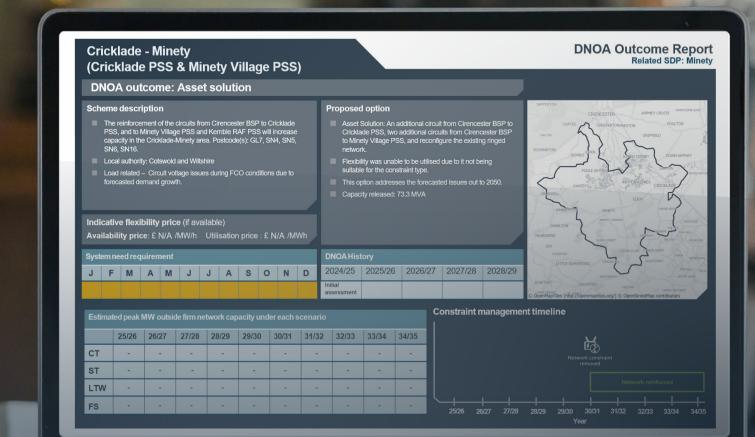
33/34

29/30



34/35





# **DNOA OUTCOMES - SEPD**

## SEPD HV/LV Flexibility

Area	Local authority	Number of sites assessed	<b>Percentage of sites situated in</b> <b>vulnerable communities</b> (i.e. classified as very high or high vulnerability)	Percentage of sites recommending flexibility
SEPD	Arun	30	57%	57%
SEPD	Basingstoke and Deane	99	15%	46%
SEPD	Bournemouth, Christchurch and Poole	49	53%	47%
SEPD	Bracknell Forest	30	10%	67%
SEPD	Buckinghamshire	99	15%	61%
SEPD	Cherwell	40	30%	53%
SEPD	Chichester	98	43%	48%
SEPD	Cotswold	53	25%	45%
SEPD	Dorset	274	77%	46%
SEPD	Ealing	12	8%	58%
SEPD	East Hampshire	130	18%	52%
SEPD	Eastleigh	32	19%	31%
SEPD	Elmbridge	1	0%	100%
SEPD	Fareham	38	26%	79%
SEPD	Gosport	3	33%	67%
SEPD	Guildford	22	27%	68%
SEPD	Hart	64	9%	42%
SEPD	Havant	31	58%	48%



## SEPD HV/LV Flexibility

Area	Local authority	Number of sites assessed	<b>Percentage of sites situated in</b> <b>vulnerable communities</b> (i.e. classified as very high or high vulnerability)	Percentage of sites recommending flexibility
SEPD	Hillingdon	16	38%	44%
SEPD	Horsham	27	4%	59%
SEPD	Hounslow	14	0%	57%
SEPD	Isle of Wight	97	78%	44%
SEPD	New Forest	137	76%	53%
SEPD	Oxford	12	17%	58%
SEPD	Portsmouth	5	40%	80%
SEPD	Reading	15	13%	53%
SEPD	Runnymede	7	29%	43%
SEPD	Rushmoor	15	0%	67%
SEPD	Slough	11	0%	73%
SEPD	Somerset	91	55%	53%
SEPD	South Oxfordshire	97	21%	63%
SEPD	Southampton	7	57%	43%
SEPD	Spelthorne	11	0%	82%
SEPD	Surrey Heath	26	8%	46%
SEPD	Swindon	43	35%	37%
SEPD	Hillingdon	16	38%	44%



## SEPD HV/LV Flexibility

Area	Local authority	Number of sites assessed	Percentage of sites situated in vulnerable communities (i.e. classified as very high or high vulnerability)	Percentage of sites recommending flexibility
SEPD	Test Valley	98	34%	40%
SEPD	Vale of White Horse	91	9%	46%
SEPD	Waverley	81	4%	53%
SEPD	West Berkshire	81	12%	49%
SEPD	West Oxfordshire	79	27%	32%
SEPD	Wiltshire	350	46%	54%
SEPD	Winchester	110	21%	41%
SEPD	Windsor and Maidenhead	38	5%	55%
SEPD	Wokingham	60	10%	47%



## Chippenham (Chippenham BSP)

## **DNOA Outcome Report**

**Related SDP: Melksham** 

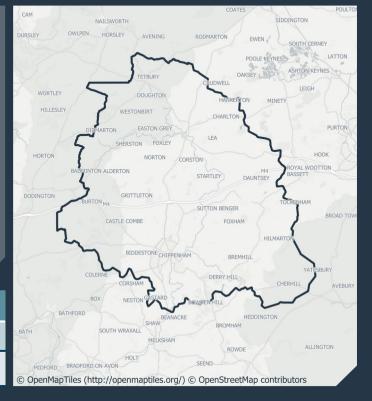
## **DNOA** outcome: Asset solution

#### **Scheme description**

- The reinforcement of the Chippenham BSP will increase capacity in the Chippenham area. Postcode(s): SN4, SN11, SN13-16, GL8.
- Local authority: Wiltshire
- Load related substation fault level issues during intact conditions due to forecasted generation growth.

#### Proposed option

- Asset Solution: New gas insulated switchboard at Chippenham BSP.
- Flexibility was unable to be utilised due to it not being suitable for the constraint type.
- This option addresses the forecasted fault level and land constraint related issues at Chippenham BSP out to 2050.



Indicative flexibility price (if available)

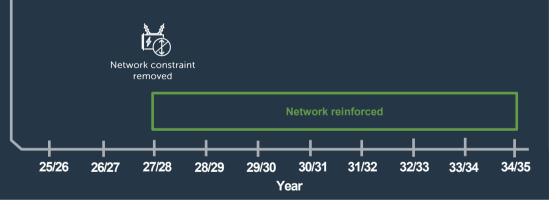
Availability price: £ N/A /MW/h Utilisation price : £ N/A /MWh

Syste	System need requirement												
J	J F M A M J J A S O N D												

<b>DNOA Hist</b>	DNOA History										
2024/25	2025/26	2026/27	2027/28	2028/29							
Initial assessment											

## Estimated peak MW outside firm network capacity under each scenario

	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35
СТ	-	-	-	-	-	-	-	-	-	-
ST	-	-	-	-	-	-	-	-	-	-
LTW	-	-	-	-	-	-	-	-	-	-
FS	-	-	-	-	-	-	-	-	-	-





## Cricklade - Minety (Cricklade PSS & Minety Village PSS)

## DNOA Outcome Report Related SDP: Minety

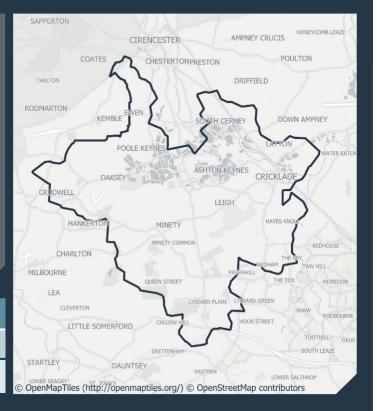
## **DNOA** outcome: Asset solution

#### Scheme description

- The reinforcement of the circuits from Cirencester BSP to Cricklade PSS, and to Minety Village PSS and Kemble RAF PSS will increase capacity in the Cricklade-Minety area. Postcode(s): GL7, SN4, SN5, SN6, SN16.
- Local authority: Cotswold and Wiltshire
- Load related Circuit voltage issues during FCO conditions due to forecasted demand growth.

#### Proposed option

- Asset Solution: An additional circuit from Cirencester BSP to Cricklade PSS, two additional circuits from Cirencester BSP to Minety Village PSS, and reconfigure the existing ringed network.
- Flexibility was unable to be utilised due to it not being suitable for the constraint type.
- This option addresses the forecasted issues out to 2050.
- Capacity released: 73.3 MVA



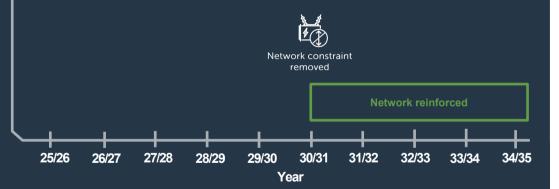
Indicative flexibility price (if available)

Availability price: £ N/A /MW/h Utilisation price : £ N/A /MWh

System need requirement											
J	F	Μ	Α	Μ	J	J	Α	S	0	Ν	D

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

### Constraint management timeline



Estimated peak MW outside firm network capacity under each scenario

										1
	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35
СТ	-	-	-	-	-	-	-	-	-	-
ST	-	-	-	-	-	-	-	-	-	-
LTW	-	-	-	-	-	-	-	-	-	-
FS	-	-	-	-	-	-	-	-	-	-



## Felpham (South Bersted PSS)

## **DNOA Outcome Report**

**Related SDP: Lovedean** 

## **DNOA** outcome: Asset solution

#### **Scheme description**

- The addition of the Chalcraft Lane PSS will increase capacity in the Felpham and South Bersted area. Postcode(s): PO21, PO22.
- Local authority: Arun
- Load related substation thermal overload during FCO conditions due to forecasted demand growth.

#### Proposed option

- Asset Solution: Construction of a new primary substation at Chalcraft Lane PSS. Installation of two 20/40MVA transformers, dual 33kV circuit from Shripney switching station, and 11kV switchgear.
- Flexibility was not utilised as the CEM output showed that it was uneconomical to defer reinforcement.
- This option addresses the forecasted thermal overload at South Bersted PSS out to 2050.
- Capacity released: 40MVA



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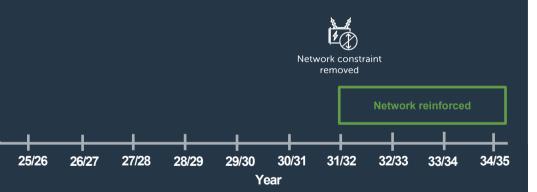
#### Indicative flexibility price (if available)

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

Syst	System need requirement											
J F M A M J J A S O N D										D		

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

#### Constraint management timeline



Estimated peak MW outside firm network capacity under each scenario 25/26 26/27 27/28 28/29 29/30 30/31 31/32 32/33 33/34 34/35 (2.44)(0.55)(5.19)СТ (3.70)ST \_ \_ (2.17)(3.99)(5.53)(6.60)LTW 0.41 FS



# Malmesbury (Chippenham BSP 33kV ring network)

## **DNOA Outcome Report**

**Related SDP: Melksham** 

## **DNOA** outcome: Asset solution

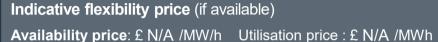
#### **Scheme description**

Estimated peak MV

- The reinforcement of the 33kV circuits supplying the Alderton ring will increase capacity in the Malmesbury area. Postcode(s): GL8, SN14, SN15, SN16.
- Local authority: Cotswold, Wiltshire
- Load related Security of supply restoration issues during FCO conditions and voltage issues due to forecasted demand growth.

#### Proposed option

- Asset Solution: Build two new circuits, the first between Yatton Keynell PSS and Alderton PSS to resolve the security of supply issue. The second between Chippenham BSP and Sutton Benger PSS to resolve voltage issues under an FCO condition.
- Flexibility was unable to be utilised as it is not suitable for the constraint type.
- This option addresses the forecasted security of supply issues at Chippenham BSP out to 2050.
- Capacity released: 57.8MVA



System need requirement											
J F M A M J J A S O N D										D	

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



W outsic	V outside firm network capacity under each scenario										
00/07	07/00	00/00	00/00	00/04	04/00	00/00	00/04	1			

	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35
СТ	-	-	-	-	-	-	-	-	-	-
ST	-	-	-	-	-	-	-	-	-	-
LTW	-	-	-	-	-	-	-	-	-	-
FS	-	-	-	-	-	-	-	-	-	-





## Selsey (Selsey PSS)

## **DNOA Outcome Report**

Related SDP: Lovedean

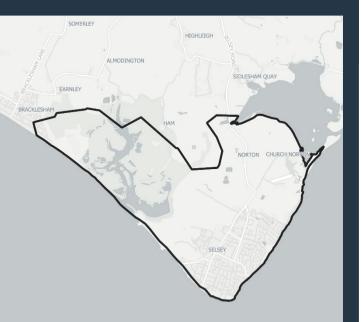
## DNOA outcome: Flexibility services followed by asset solution

#### Scheme description

- The reinforcement of the Selsev PSS will increase capacity in the Selsey area. Postcode(s): PO16, PO18, PO19, PO20, PO21.
- Local authority: West Sussex
- Load related substation thermal overload during FCO conditions due to forecasted demand growth.

#### Proposed option

- Flexibility/Asset Solution: Flexibility solution to defer reinforcement for two years, followed by an asset solution. Addition of a third 33/11kV transformer at Selsey PSS.
- This option addresses the forecasted thermal overload at Selsey PSS out to 2043.
- Capacity released: 15 MVA



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Indicative flexibility price (if available)

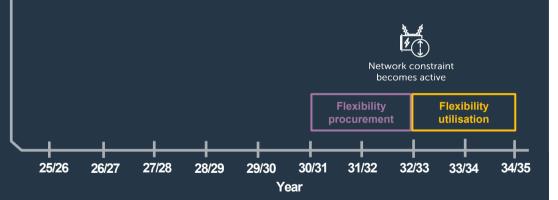
Availability price: £ 108 /MW/h Utilisation price : £ 133 /MWh

System need requirement											
J F M A M J J A S O N D										D	

<b>DNOA Hist</b>	DNOAHistory										
2024/25	2025/26	2026/27	2027/28	2028/29							
Initial assessment											

-

**Constraint management timeline** 



Estimated peak MW outside firm network capacity under each scenario 25/26 26/27 27/28 28/29 29/30 30/31 31/32 32/33 33/34 34/35 0.71 1.42 СТ (2.26)\_ ST \_ 0.69 1.57 LTW 2.43 (3.01)FS



## South Chippenham (Rowden PSS)

### **DNOA Outcome Report** Related SDP: Melksham

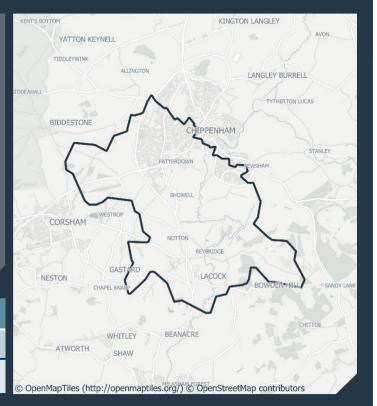
## DNOA outcome: Flexibility services followed by asset solution

#### Scheme description

- The reinforcement of the Rowden PSS will increase capacity in the Chippenham area. Postcode(s): BA13, SN8, SN13, SN14, SN15.
- Local authority: Wiltshire
- Load related substation and circuit thermal overload during FCO conditions due to forecasted demand growth.

#### Proposed option

- Flexibility/Asset Solution: Flexibility solution used for two years. Installation of a GIS 33kV busbar at Rowden PSS to enable installation of an additional 33/11kV transformer at Rowden PSS, and an additional 33kV circuit from Chippenham BSP to Rowden PSS.
- This option addresses the forecasted thermal overload at Rowden PSS out to 2050
- Capacity released: 23 MVA



#### Indicative flexibility price (if available)

Availability price: £ 150 /MW/h Utilisation price : £ 200 /MWh

Syst	System need requirement											
J	F	Μ	Α	Μ	J	J	Α	S	0	Ν	D	

<b>DNOA Hist</b>	tory			
2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				

#### **Constraint management timeline**



becomes active removed



Estimat	Estimated peak MW outside firm network capacity under each scenario									
	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35
СТ	-	-	0.83	1.75	(2.76)	(3.96)	(5.73)	(7.44)	(8.93)	(10.54)
ST	-	-	-	-	(0.29)	(0.79)	(1.36)	(1.99)	(2.66)	(3.41)
LTW	-	0.13	2.14	3.24	(4.56)	(5.98)	(7.57)	(9.20)	(10.86)	(12.09)
FS	-	-	-	-	-	(0.34)	(0.89)	(1.47)	(2.12)	(2.75)

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# Southampton and Winchester (Nursling GSP)

## DNOA Outcome Report Related SDP: Nursling

## **DNOA** outcome: Asset solution.

#### **Scheme description**

- The reinforcement of the Nursling GSP will increase capacity in the Southampton and Winchester area. Postcode(s):. BH23, BH31, SO14-24, SO30-32, SO40-45, SO50-53, SP11, SP3, SP5.
- Local authority: Eastleigh, New Forrest, Southampton, Test Valley, Winchester.
- Load related substation fault level issue during FCO conditions due to forecasted demand growth

#### Proposed option

- Asset Solution: Nursling GSP is forecast to exceed the nominal rating of existing plant. To mitigate this, two new indoor GIS switchboards will replace the existing single AIS board.
- Flexibility was unable to be utilised due to not being technically suitable for constraint type.
- This option addresses the forecasted fault level issue at Nursling GSP out to 2050.



Indicative flexibility price (if available)

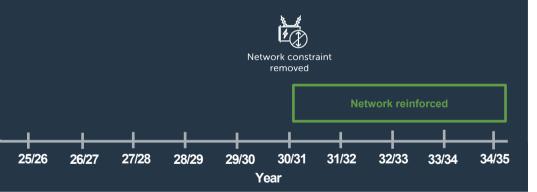
Availability price: £ N/A /MW/h Utilisation price : £ N/A /MWh

Syst	System need requirement										
J	F	Μ	Α	Μ	J	J	Α	S	0	Ν	D

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

#### Estimated peak MW outside firm network capacity under each scenario

	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35
СТ	-	-	-	-	-	-	-	-	-	-
ST	-	-	-	-	-	-	-	-	-	-
LTW	-	-	-	-	-	-	-	-	-	-
FS	-	-	-	-	-	-	-	-	-	-





## Whitchurch (33kV circuits feeding Whitchurch PSS)

## **DNOA Outcome Report**

**Related SDP: Melksham** 

## DNOA outcome: Operational management followed by asset solution.

#### **Scheme description**

- The reinforcement of the Whitchurch PSS will increase capacity in the Whitchurch area. Postcode(s): RG28, SP11.
- Local authority: Basingstoke and Deane

Indicative flexibility price (if available)

Α

Μ

System need requirement

Μ

J

Load related – Circuit thermal overload during FCO conditions and voltage issues during both intact and FCO conditions due to forecasted demand growth.

Availability price: £ N/A /MW/h Utilisation price : £ N/A /MWh

J

#### **Proposed option**

**DNOA History** 

2024/25

Initial assessment

D

Ν

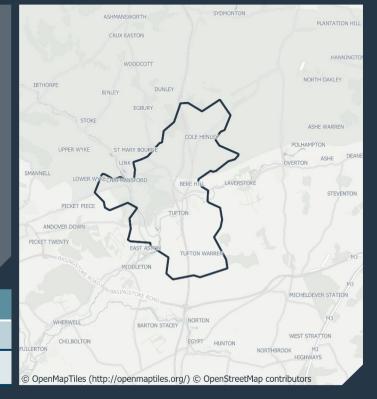
- Smart solution / Asset solution: New 33kV circuit from Barton Stacey PSS to Whitchurch PSS to resolve security of supply and voltage issues.
- Flexibility was not technically suitable to resolve the security of supply or the voltage issue.
- This option addresses the supply security and voltage issues of the 33kV network supplying Whitchurch and Barton Stacey PSS. Overall solution addresses overloading issues of this circuit up to 2041.

2026/27

2027/28

Capacity released: 27.1 MVA

2025/26



Estimat	Estimated peak MW outside firm network capacity under each scenario									
	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35
СТ	1.20	1.37	1.56	1.73	1.91	(2.14)	(2.49)	(2.83)	(3.12)	(3.45)
ST	1.36	1.57	1.81	2.02	2.28	(2.55)	(2.87)	(3.20)	(3.55)	(3.78)
LTW	1.04	1.15	1.27	1.34	1.43	(1.53)	(1.63)	(1.75)	(1.89)	(2.05)
FS	1.03	1.09	1.17	1.23	1.30	(1.38)	(1.48)	(1.59)	(1.71)	(1.84)

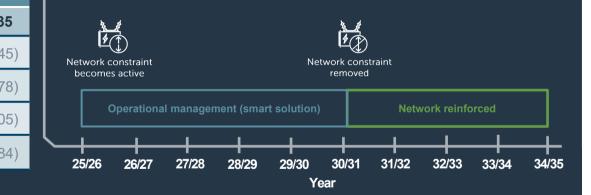
S

Α

0

#### **Constraint management timeline**

2028/29





## Whitchurch (Whitchurch PSS)

FS

## **DNOA Outcome Report**

**Related SDP: Melksham** 

NORTH OAKLEY

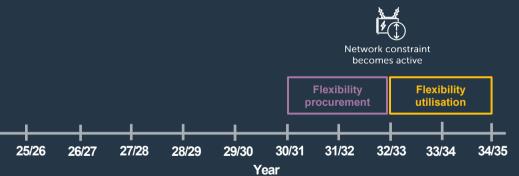
ASHE WARREN POLHAMPTON ASHE

MICHELDEVER STATION

WEST STRATTON

STEVENTON

DNC	DA out	come:	Flexi	bility fo	ollowe	d by a	sset s	solutior	).				
Th W Lo	<ul> <li>Scheme description</li> <li>The reinforcement of the Whitchurch PSS will increase capacity in the Whitchurch area. Postcode(s): RG28, SP11.</li> <li>Local authority: Basingstoke and Deane</li> <li>Load related – Substation thermal overload during FCO conditions due to forecasted demand growth.</li> </ul>						_	<ul> <li>Proposed option</li> <li>Flexibility/Asset Solution: Flexibility used to defer reinforcement for the thermal overload issue by 2 years. Followed by an asset solution: reinforcement of one of the existing primary transformers.</li> <li>This option addresses overloading issues at Whitchurch PSS up to 2041.</li> <li>Capacity released: 8.5 MVA</li> </ul>					ASHMANSWORTH SYDMONTON CRUX EASTON WOODCOTT IBTHORPE BUNLEY STOKE UPPER WYKE STOKE UPPER WYKE STOKE UPPER WYKE STOKE UNK UWER WYLECHOPHONISTORD PICKET PIECE DIVERUAL DURLEY UNK UNK UNK UNK UNK UNK UNK UNK UNK UNK
	Indicative flexibility price (if available) Availability price: £ 150 /MW/h Utilisation price : £ 200 /MWh												ANDOVER DOWN PICKET TWENTY BASINGS AND MIDDLETON MIDDLETON
System	need req	uirement						DNOA Hist	ory				BASINGSTOKE ROAD MICHELDEVE
JF	FM	A M	J	JA	S C	) N	D	2024/25	2025/26	2026/27	2027/28	2028/29	WHERWELL BARTON STACEY NORTON CHILBOLTON EGYPT HUNTON WEST STRAT
								Initial assessment					© OpenMapTiles (http://openmaptiles.org/) © OpenStreetMap contributors
Estima	Estimated peak MW outside firm network capacity under each scenario												
	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35			$\searrow$
СТ	-	-	-	-	-	-	-	0.33	0.62	(0.95)			Network constraint
ST	-	-	-	-	-	0.05	0.37	0.70	1.05	(1.28)			becomes active
LTW	-	-	-	-	-	-	-	-	-	•			Flexibility Flexibility procurement utilisation





## Wiltshire (Netherhampton PSS)

## DNOA Outcome Report Related SDP: Mannington

DNC	DNOA outcome: Flexibility followed by asset solution.												
Schem The Loc	e descri e reinforcer Wiltshire a cal authority ad related - aditions due	<b>ption</b> ment of the area. Postod y: Wiltshire - substatior e to forecas	Netherhan ode(s): SP´ Council n and circuit	npton PSS 1 – SP5. t thermal ov d growth.	will increase	e capacity	Т	Proposed Flexibili with fley Netherf This op issues a	option ty/Asset So kibility, follow nampton 33 tion addrese	lution: Defer rei ved by upgrade /11kV transform ses the forecast mpton PSS out 17MVA	e of the two ners. ted thermal	UGFORD FUGGRESTONE ST PETER QUIDHAMPTON	
	<b>dicative flexibility price</b> (if available) ailability price: £ 108 /MW/h Utilisation price : £ 133 /MWh												
System	need requ	uirement						DNOA Histo					STRATFORD TONY COOMBE BISSETT HOMINGTON
J F	M	A M	J	J A	S O	N		2024/25	2025/26	2026/27	2027/2	202	28/29
								nitial ssessment					© OpenMapTiles (http://openmaptiles.org/) © OpenStreetMap contributors
Estimat	ed peak l	MW outsid	de firm ne	twork cap	acity und	er each s	cenario			C	onstrain	nt mana	agement timeline
	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35			<u>ha</u> ha
СТ	-	-	-	-	0.09	0.40	(0.76)	(0.69)	(0.86)	(1.07)			Network constraint Network constraint
ST	-	-	-	-	-	-	-	-	-	(0.18)			becomes active removed
LTW	-	-	-	-	0.20	0.60	(0.91)	(0.92)	(1.17)	(1.36)		Fle	exibility procurement Flexibility utilisation Network reinforced
FS	-	-	-	-	-	-	-	-	-	-	25/26	26/27	27/28 28/29 29/30 30/31 31/32 32/33 33/34 34/35 Year



## Wiltshire (Salisbury BSP, Netherhampton PSS)

## **DNOA Outcome Report**

**Related SDP: Mannington** 

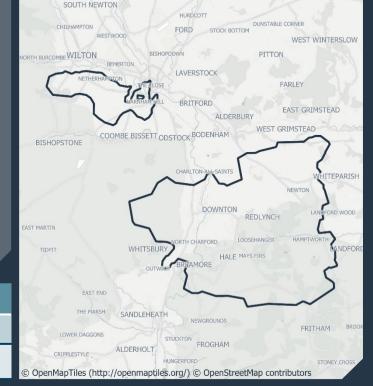
## DNOA outcome: Flexibility followed by asset solution.

#### **Scheme description**

- The reinforcement of the Netherhampton PSS will increase capacity in the Wiltshire area of Southwest England. Postcode(s): SP1, SP2, SP4, SP5, SP9.
- Local authority: Wiltshire Council
- Load related circuit thermal overload during FCO conditions due to forecasted demand growth.

#### Proposed option

- Flexibility/Asset Solution: Install two dual dedicated circuits to Netherhampton PSS from Salisbury BSP.
- This option addresses the forecasted thermal overload issues in the Salisbury BSP to Netherhampton PSS and Redlynch PSS 33kV circuit out to 2050.
- Capacity released: 10MVA

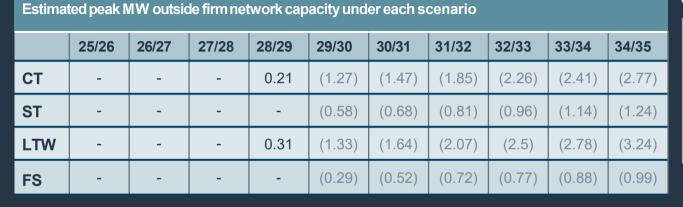


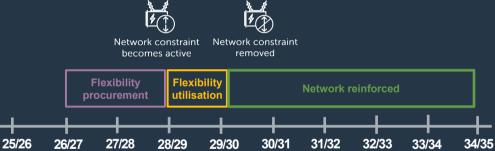
Indicative flexibility price (if available)

Availability price: £ 114 /MW/h Utilisation price : £ 148 /MWh

Syst	System need requirement										
J	F	Μ	Α	Μ	J	J	Α	S	0	Ν	D

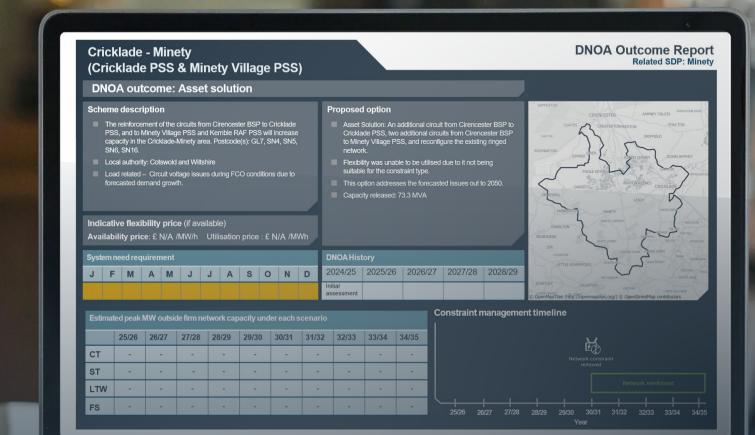
<b>DNOA Hist</b>	ory			
2024/25	2025/26	2026/27	2027/28	2028/29
Initial assessment				











# **DNOA OUTCOMES REVIEW - SHEPD**

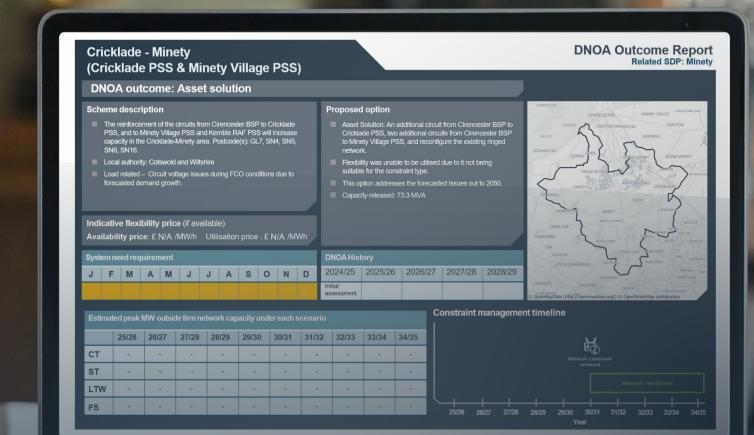
## March 2024 DNOA Outcomes Report Annual Review

## **SHEPD DNOA Outcomes Annual Review**

Outcome ID	Outcome name	March 2024 outcome decision	Updated position
Ref. 0324-01	Aberdeenshire (North Coast)	Asset solution.	Project delivery review recommends flexibility usage for two years to ensure capacity availability.
Ref. 0324-02	Abernethy, Kinross & Dollar	Flexibility utilisation followed by asset solution.	Project delivery review recommends extension of flexibility usage by two years to ensure capacity availability.
Ref. 0324-07	Culloden (Inverness)	Flexibility utilisation followed by asset solution.	Project delivery review recommends extension of flexibility usage by one year to ensure capacity availability.
Ref. 0324-11	Errochty – Tummel Bridge	Asset solution.	Project delivery review recommends flexibility usage for one year to ensure capacity availability.
Ref. 0324-14	Inveralmond and Redgorton	Flexibility utilisation followed by asset solution.	Project delivery review recommends extension of flexibility usage by two years to ensure capacity availability.
Ref. 0324-16	Machrie/Whiting Bay	Asset solution.	Project delivery review recommends operational management for three years to ensure capacity availability.
Ref. 0324-17	North-east Moray	Asset solution.	Review not required in line with DNOA methodology.
Ref. 0324-18	Tarland, Aboyne and Ballater	Asset solution.	Review not required in line with DNOA methodology.







# **DNOA OUTCOMES REVIEW - SEPD**

## March 2024 DNOA Outcomes Report Annual Review

## **SEPD DNOA Outcomes Annual Review**

Outcome ID	Outcome name	March 2024 outcome decision	Updated position
Ref. 0324-03	Beaconsfield	Flexibility utilisation followed by asset solution.	Currently being reviewed with TO given transmission interactions.
Ref. 0324-04	Birdham	Flexibility utilisation followed by asset solution.	Project delivery review recommends extension of flexibility usage by one year to ensure capacity availability.
Ref. 0324-05	Chiswick	Flexibility utilisation followed by asset solution.	Project delivery review recommends extension of flexibility usage by one year to ensure capacity availability.
Ref. 0324-06	Chiswick and East Brentford	Asset solution.	Project delivery review recommends operational management for three years to ensure capacity availability.
Ref. 0324-08	Ealing and Hounslow	Asset solution.	Project delivery review recommends operational management for one year to ensure capacity availability.
Ref. 0324-09	East Bedfont	Asset solution.	Project delivery review recommends flexibility usage for three years to ensure capacity availability.
Ref. 0324-10	Egham	Flexibility utilisation followed by asset solution.	Project delivery review recommends extension of flexibility usage by one year to ensure capacity availability.
Ref. 0324-12	High Wycombe & Marlow	Asset solution.	Project delivery review recommends flexibility usage for two years to ensure capacity availability.



## March 2024 DNOA Outcomes Report Annual Review

## **SEPD DNOA Outcomes Annual Review**

Outcome ID	Outcome name	March 2024 outcome decision	Updated position
Ref. 0324-13	Hunston: Birdham & Selsey	Asset solution.	Project delivery review recommends operational management for two years to ensure capacity availability.
Ref. 0324-15	Lytchett	Flexibility utilisation followed by asset solution.	Project delivery review recommends extension of flexibility usage by three years to ensure capacity availability.



## •••• Glossary

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

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

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