# GB Network Access Policy

## Key Performance Indicators 2024/25

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Scottish & Southern Electricity Networks

TRANSMISSION

# Overview

As part of SSEN Transmission's commitment to ensure we have fully transparent outage planning processes, we produce a series of annual key performance indicators (KPIs) to monitor our outage planning performance and outage delivery. The KPI's have been developed following feedback from consumers and stakeholders across GB.

The KPIs are part of our obligations under the GB Network Access Policy. The Policy is designed to facilitate collaboration between the GB Transmission Owners and National Energy System Operator (NESO) to deliver value for consumers in relation to planning, management and operation of the GB transmission network. The KPIs are described in Appendix A of the GB Network Access Policy, and can be found here on our website.

The SSEN Transmission KPIs for 2024/25 are provided in the next section.

# Network Access Policy KPIs 2024/25

| | DESCRIPTION | | MEASURE | COMMENTS |
|---|---|---|---|---|
| 1 | **Long Term Outage Planning Performance**<br>Measure of the number of outages in the year ahead plan submitted at week 49 (Dec 2023) vs the number of actual outages delivered in the 2024/25 regulatory year (01 Apr 2024 and 31 Mar 2025). This is a high-level measure of Long-Term Outage Planning Performance | | | |
| | 1.a. | Number of outages in the year ahead plan | 756 | 745 'out-of-service' outages, and 11 'in-service' outages. |
| | 1.b. | Number of these outages delivered | 483 | 480 'out-of-service' outages, and 3 'in-service' outages. |
| | 1.c. | Percentage of year ahead plan delivered | 63.9% | |
| 2 | **Accuracy of the Year Ahead Outage Plan**<br>This is a measure of the TO's capability to construct and deliver a robust outage plan. This is detailed measure of Long-Term Outage Planning Performance | | | |
| | 2.a. | Percentage of outages started on the date agreed at the year ahead stage – week 49 (Dec 2023) | 39% | Includes 'out-of-service' and 'in-service' outage bookings. |
| | 2.b. | Percentage of outages started within the outage week agreed at the year ahead stage – week 49 (Dec 202) | 47.4% | Includes 'out-of-service' and 'in-service' outage bookings. |
| | 2.c. | Percentage of outages changed in the year ahead plan for a “positive” reason. | 13.6% | Includes; outage bundling, request to accelerate works, early completion of works, and User or NESO requests to change an outage. |
| 3 | **Within Year Outage Planning Performance**<br>Measure of new outages requested within year by the TO during the relevant regulatory year. These are essential outages to carry out defect repairs, remove potential hazards or complete construction works. There is a balance of flexibility and these measures are intended to show a reduction in the number of short-term requests being made. | | | |
| | 3.a. | Number of new within year (2024/25) outages submitted to NESO prior to the Optimisation phase (17 - 52 weeks ahead) | 84 | |
| | 3.b. | Number of new within year (2024/25) outages submitted to NESO during the Optimisation Phase (4 – 16 weeks ahead as specified in STCP 11.1) | 336 | |
| | 3.c. | Number of new within year (2024/25) outages submitted to NESO during the delivery Phase (0 – 3 weeks ahead as specified in STCP 11.1) | 665 | |

| | DESCRIPTION | MEASURE | COMMENTS |
|---|---|---|---|
| 4 | **How Many Connection Assets or Transmission Circuits Are Out of Service More Than Once Per Annum?** | | |
| | Measure of the number of times the same item of equipment or circuit is removed from service. | 380 | Out of service outages only. The total volume was primarily as a consequence of major infrastructure and connection works requiring local circuits on outage on multiple occasions to facilitate construction and commissioning activities. |
| 5 | **Outage Coordination** | | |
| | Measure of the number of times the TO has carried out different work during a single outage. Measure is based on the number of outages that have been combined into a single outage vs the total number of outages delivered in the regulatory year. | 151 | Out of service outages only. This covers alignment of construction, substation maintenance, and overhead line inspection activities where it was practical to do so in order to minimise outage impact to the NESO and to contracted Users. |
| 6 | **Percentage of TO Outages Started Within 60mins of Agreed Start Time** | | |
| | Measure of outage start time accuracy will be the agreed Planned Start Time compared to the Actual Start Time. | 69.4% | This amounts to 997 outages of the 1437 actual outages completed, which started within 60 mins of the agreed start times. The agreed start times include times re-scheduled up to the day before the actual outage start. |
| 7 | **Transmission Connected Generation**<br>Percentage of Annual Access Curtailed by Bilateral Connection Agreement Per Annum - Firm Connections | | |
| | Measure of lost network access due to transmission outages and connection agreements. Measure would be 100 x (total days of actual outages \ 365). | 0 | |
| 8 | **Transmission Connected Generation**<br>Percentage of Annual Access Curtailed by Bilateral Connection Agreement Per Annum – Non-Firm Connections | | |
| | Measure of lost network access due to transmission outages and connection agreements. Measure would be 100 x (total days of actual outages \ 365). | 1.9% | 32 generators were curtailed at some point in 2024/25, of the 49 transmission-connected generators in the SSEN Transmission area. This curtailment averaged across the 32 affected generators at 1.9% (3.23 days), varying between 6.74% for the worst affected generator, down to 0.1% for the least affected generator. |

| | DESCRIPTION | MEASURE | COMMENTS |
|---|---|---|---|
| 9 | **Average Outage Duration Accuracy**<br><br>Measure of TO ability to plan outage durations. | | |
| | 9.a Average outage duration accuracy – year ahead outage plan (week 49 - Dec 2023)<br>% of outages finished early<br>% of outages finished late<br>% of outages finished on time | <br>17.3%<br>13.2%<br>69.5% | Includes 'out-of-service' and 'in-service' outage bookings, and only the 483 planned outages (KPI 1b) included in the week 49 (Dec 2023) baseline plan that were delivered in the 2024/25 regulatory year between 01 Apr 2024 and 31 Mar 2025. |
| | 9.b Average outage duration accuracy - within year outages (01 Apr 2024 and 31 Mar 2025)<br>% of outages finished early<br>% of outages finished late<br>% of outages finished on time | <br>14.3%<br>2.8%<br>82.9% | Includes 'out-of-service' and 'in-service' outage bookings, and covers 954 of new additional outages not included in the week 49 (Dec 2023) baseline Outage Plan, and delivered in the 2024/25 regulatory year between 01 Apr 2024 and 31 Mar 2025. |
| 10 | **Number of Unplanned Outages Due to Faults or Defects**<br><br>This is a measure of the number of times an asset or circuit has been removed from service due to a system fault, has been removed from service by emergency switching or has been made unavailable to NESO and removed from service. | | |
| | 10.a. Number of system faults removing an asset or circuit from service | 73 | Caused by operation of a protection system in response to component failures or external causes and including circuit auto-reclosures. |
| | 10.b. Number of emergency switching outages removing an asset or circuit from service | 0 | |
| | 10.c. All other unplanned outages when an asset or circuit has been made unavailable to NESO due to a defect | 63 | Unplanned outages within operational timescales as a result of recognising a condition that is expected to develop into a fault. Includes; switchgear gas top-ups, and defect repairs on lines, cables, and substation plant/ equipment. |

| | DESCRIPTION | MEASURE | COMMENTS |
|---|---|---|---|
| 11 | **Enhanced Service Provision**<br>Measure of the number of STCP11.4 proposals identified within a regulatory year. | | |
| | 11.a. Number of proposals identified by NESO or TO | 1 | |
| | 11.b. Number of proposals delivered by the TO | 1 | |
| | 11.c. Measure of System Operational costs savings vs cost to deliver by TO | £18.67 M | The net cost saving of £18.67M is based on contributions from an existing 11-4 scheme, and one new 11-4 scheme installed in 2024/25. |
| 12 | **In Service Works**<br>Measure of the number of "In Service" bookings to highlight works taking place without an asset being taken out of service. | 262 | Includes; OHL delayed auto-reclose (DAR) outages, circuit risk of trips, telecoms outages, and equipment/circuit testing outages |

# Contact

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