

Embedded Capacity Register (SPEN_006)

Methodology

Method Statement Preparer:	Data Transformation & Analytics Analyst
Data Triage Representative:	Open Data Sharing Lead
Senior Manager:	Data Analytics Development Manager
Dataset Title:	Embedded Capacity Register (ECR)
Date of Method Statement:	January 2025
Refresh Date:	January 2026
Description of Dataset:	Our Embedded Capacity Register provides information on generation and storage resources (greater than or equal to 1MW) that are connected or accepted to connect to the SP Energy Network's distribution network. Our ECR is available on our Open Data Portal under our Open Licence as a single table, covering SPD and SPM and is refreshed monthly.

Production Timetable: *Provide info on: When does the process start; Key dates and milestones in the process.*

The ECR is published by every licenced DNO and IDNO monthly, this publication became a licence condition requirement by DCUSA code modification proposal DCP350. ECR update process begins on the final week of each month to align with our licence condition requirements to publish every month.

The key milestones:

1. Core source files are 'operational trackers'.
2. Scripts run to update spreadsheet queries and enrich with complementary data.
3. Provides data in agreed format.
4. Complete data triage activities.
5. Update Open Data Portal and complete quality assurance check.
6. Publish on Open Data Portal.

A risk assessment and data triage review are conducted every six months.

Process to collate data and Source Systems: *Explain the process undertaken to collate data and detail names of systems and type of data that is extracted from each.*

1. Data extract from source from both SP Distribution and SP Manweb.
2. Data is passed through a series of automated filters to output data in ECR format. The filters remove terminated sites, merge sites with multiple energy sources and add newly contracted sites, as well as update any changes made to existing sites and their status.
3. Sites that exist in a contracted and connected mixed state manually added.
4. SPD and SPM sites are combined and given an ECR reference number.
5. The automated process through Excel filters out terminated projects to ensure only connected or accepted to connect sites appear.
6. Parent sites are identified, and their child sites are either paired directly via identical naming convention, or via matching parts of the name with parts of the parent site name and ensuring the total MW values align with the sum from the source. These are then spread across Energy Sources 1-3, instead of appearing as separate sites.
7. The QAS (Distribution Reinforcement reference) is found either through the SPD/ SPM source files, or by finding a direct match between the Parent Site name *and* total MW of the site between the source file and one of the many other pieces of information source files.

Assumptions: *Any interpretation of regulatory guidance; Any assumptions on the data source or its' application*

N/A

Additional Calculations: *Any calculations applied to the data to arrive at the final data table.*

N/A

Embedded Capacity Register (SPEN_006)

Methodology

Dependencies - Information sources: <i>Information, if any, that comes from other sources/departments</i>
<p><u>Main Source Data</u></p> <ol style="list-style-type: none"> 1. 'SPD Connections Table.xlsb' – List of SPD connections and status >1MW in size 2. 'SPM Generation 1MW (Current).xlsx' - List of SPM connections and status >1MW in size <p><u>Complementary Data</u></p> <ol style="list-style-type: none"> 1. 'Zv87 Extract 8300-8303' 2. 'CC5 Archive SPD extract' 3. 'CC5 Archive SPM extract'
Control Points: <i>What checks are done during the process to confirm the accuracy of the content?</i>
<ol style="list-style-type: none"> 1. Check all queries are refreshed in order and are up to date. 2. Any new sites are given a unique ID number on the appropriate tab.