

Electricity
Distribution

DSO Autumn Roadshow

Introduction to DSO Data
22 October 2025

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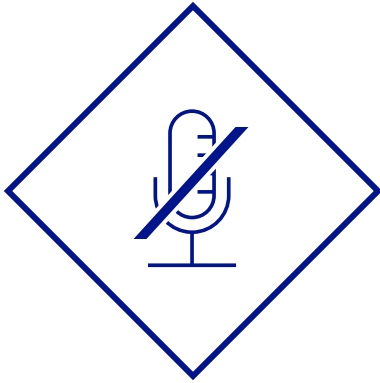


Emily Taylor

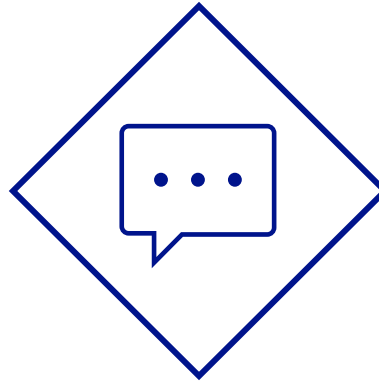
Regional Decarbonisation Manager
Distribution System Operator



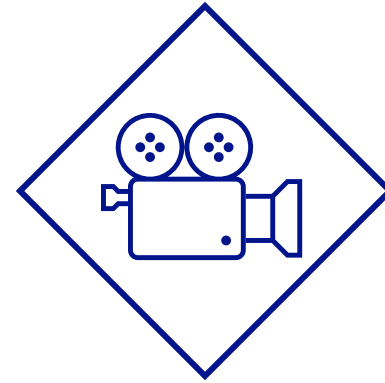
Housekeeping



**Please make sure your
microphone is muted
when not speaking**



**For questions or feedback,
please raise your hand or
use the Q&A/chat box**



**We are recording this
session for sharing with our
stakeholders**

Agenda



10.00 Welcome, housekeeping and session outline
Emily Taylor, Regional Decarbonisation Manager



10:05 Introduction to Data and the DSO Website Journey
Steven Roberts, Strategic Engagement Officer



10:30 Feedback and Actions
Phil Moseley, Head of Systems Models and Data



10:40 Q&A
Emily Taylor (Regional Decarbonisation Manager)



Getting to know you

It's important for us to understand your needs and how we can best support you.

How familiar are you with the data on offer from the DSO?

Have you used DSO data before?



Introduction to DSO Data



Steven Roberts
Strategic Engagement Officer
West Midlands Licence Area



Your DSO Strategic Engagement Team



Emily Taylor

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Purpose of this webinar

Who is it for?

- People new to working with DSO or Strategic Energy Planning
- Planners or installers of large projects such as Low Carbon Technology rollout
- Users with an interest in Local Area Energy Planning resources

What overviews will we see?

- DSO Website
- DFES and the DFES Interactive Map
- Local Authority Workbook
- Network Opportunity Map
- Embedded Capacity Register
- Publications Library
- Data Centre
- Connected Data Portal
- Hear from the Head of System Models and Data
- 'You Said / We Did'

DSO Website

Our new website launched in 2025 to make it easier to find the information you need.

- Learn all about DSO and contact us
- Dedicated Local Authority page
- Direct links to applications, training videos, publications and raw data

<https://dso.nationalgrid.co.uk/>

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Power cuts Connections Careers Your power future DSO

DSO Home About DSO Planning our future network Flexibility markets Operating the Network

Powering a greener future for everyone

Welcome to National Grid's Distribution System Operator Homepage

We're here to facilitate decarbonisation at pace, ensuring a smarter, more flexible electricity network for all. Our DSO team connects homes, businesses, and communities to the power they need - efficiently, reliably and sustainably.

Your pathway to power starts here...

Outstanding results for DSO in Ofgem report

Outstanding stakeholder feedback has seen National Grid's Distribution System Operator (DSO) increase its results across the board in the annual Ofgem DSO Incentive Report.

[Read more about the results](#)

NGED - Our achievements in 2024/2025



We launched new
in such as:

New to DSO?

Our DSO vision is to enable and coordinate decarbonisation for all customers and communities.

Distribution Future Energy Scenarios

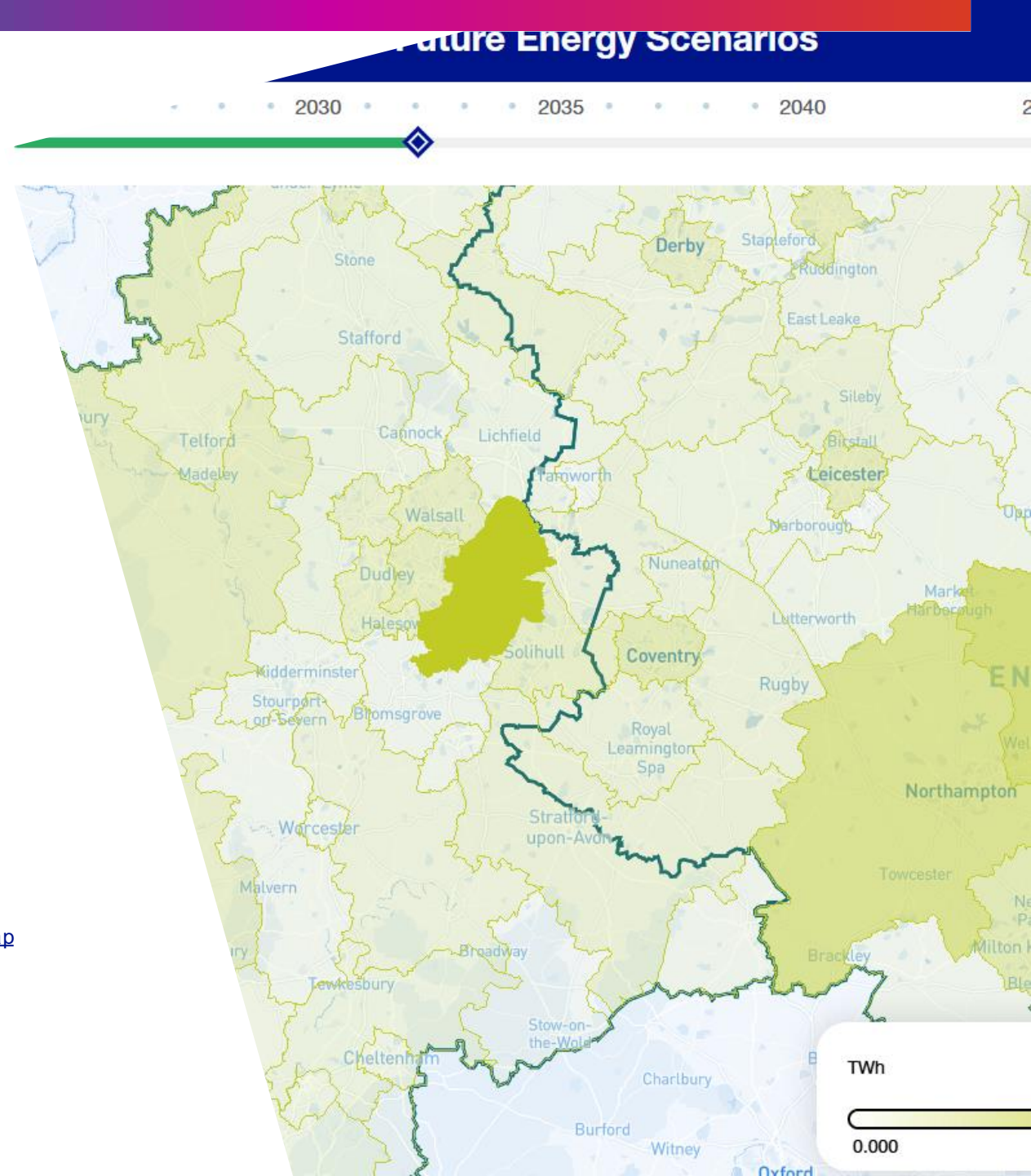
Our DFES outline the range of credible futures for the growth of the distribution network.

- View pathways at Local Authority (LA) level or Electricity Supply Area (ESA)
- Bespoke reports for each LA available
- Understand how we expect the requirements of the network to change as we work towards 2050
- Compare our projections to your plans and discuss your findings with us
- Use the DFES Map, LA Workbook or download data directly

Training video also available

<https://dso.nationalgrid.co.uk/planning-our-future-network/forecasting-for-future-need/dfes-interactive-map>

<https://connecteddata.nationalgrid.co.uk/dataset/dfes>



Local Authority Workbook

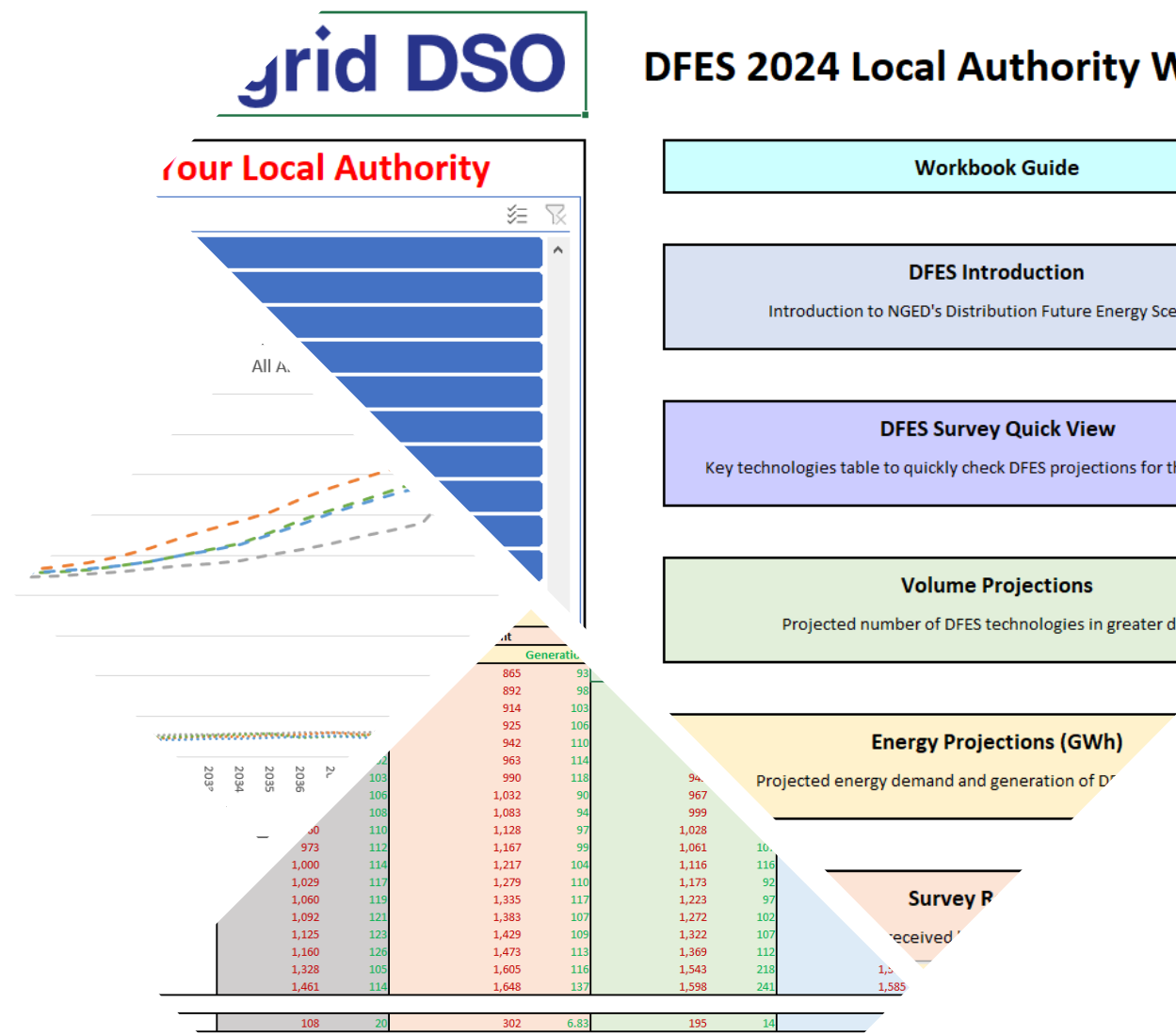
Easily see DFES data in a pre-configured spreadsheet format.

- Download a copy for your own reference
- Check your previously submitted data to NGED DSO
- Quickly see our volume projections for your Local Authority energy demand and low carbon technology uptake

Training video also available

<https://connecteddata.nationalgrid.co.uk/dataset/dfes>

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Network Opportunity Map

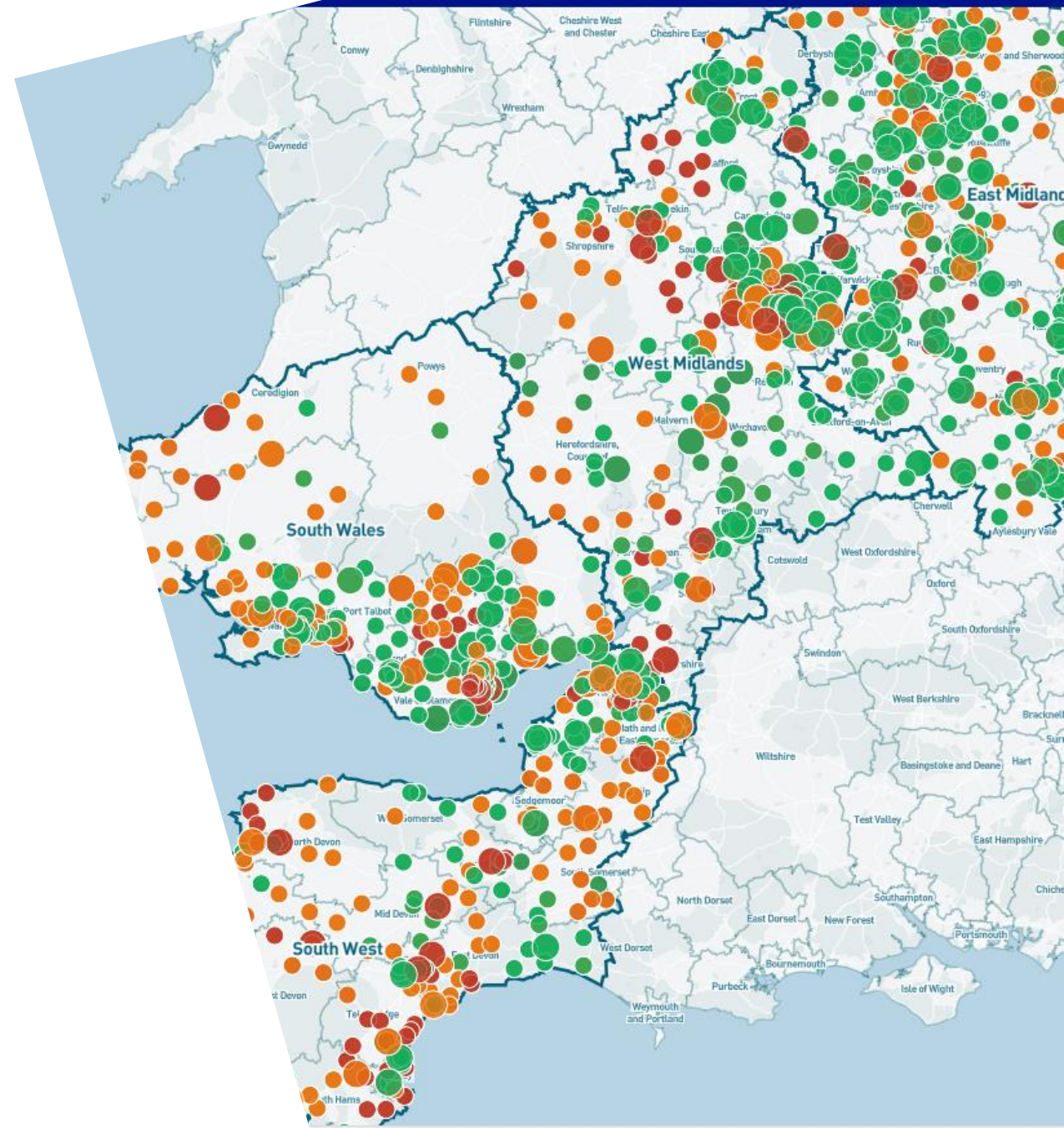
A general illustration of potential connection opportunities in our area.

- A RAG rating to guide users to areas of the network where a connection is more likely to be achieved without significant distribution reinforcement.
- Red doesn't mean no – our planning team can advise on what is possible with your plans
- The map gives a general illustration of potential connection opportunities and should not be relied upon to assess the terms of connection for specific premises.

Tutorial on app and video coming soon

<https://commercial.nationalgrid.co.uk/network-opportunity-map-application>

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Embedded Capacity Register

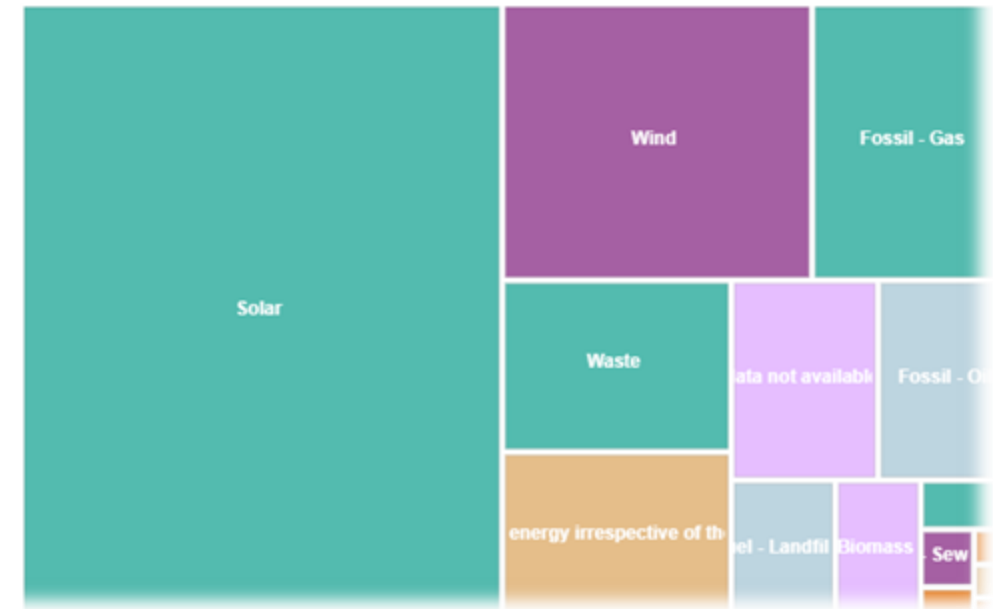
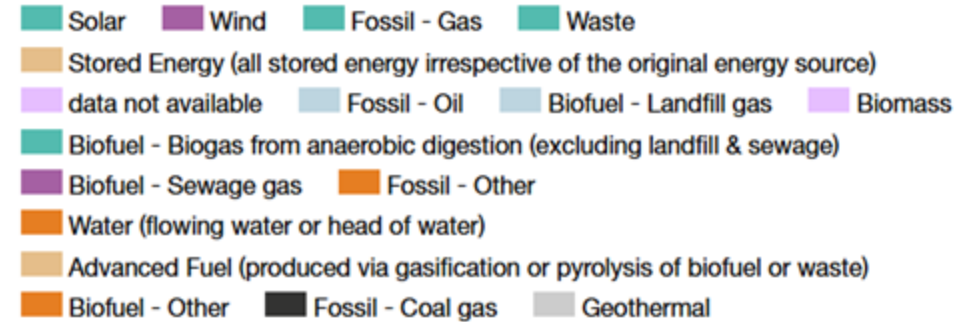
Information for stakeholders on generation and storage resources >50kW that are connected or accepted to connect.

- Understand what generation is already connected and what is in the pipeline to connect
- Includes information about flexibility services that are being provided by connected resources, including flexible demand
- Download the data direct or use the dashboard
- Updated monthly

<https://commercial.nationalgrid.co.uk/our-network/embedded-capacity-register>

Midlands, South West & South Wales

Connected (MW)



Clearview Connect

The Clearview tools allow NGED customers to have more detailed insight into the pipeline of connections.

- Clearview connect provides a comprehensive view of capacity headroom at all our licence area Grid Supply Points (GSPs)
- Understand who is in the queue in your area
- View your position in the queue (with an accepted reference number)

<https://connections.nationalgrid.co.uk/clear-view/clear-view-connect/>



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due to transmissi.
portfolio. It is not possible
line remains anonymous.
associated with this report.

South Wales South West

Lea Marston
Lea Marston (v)
Melksham
Nechells East
Ocker Hill
Oldbury
Pembroke
Penn
Port Har
Pyle
Rassau
Ratcliffe

Publications library

A complete library of documents split up by DSO area.

- Includes all DSO areas: System Planning, Strategy, Governance and Performance, Policy, Stakeholder and Flexibility
- See our latest Network Development Plan or Distribution Network Options Assessment
- See the DSO Strategic Action Plan
- Includes past issues of the Local Authority Newsletter

<https://dso.nationalgrid.co.uk/resource-centre/publications-library>

System Planning

Document	
Network Development Plans	All DSO Stakeholders
Network Headroom Report and Methodology	All DSO Stakeholders
Local Authority DFES Survey	Local Authority
DFES Stakeholder Engagement Reports	Local Authority
Distribution Network Options Assessment (DNOA) Report	All DSO Stakeholders
Regional DFES Reviews	All DSO Stakeholders
DFES Methodology	All DSO Stakeholders
DFES Customer Behaviour Report	Technical DSO
Technology Summary Reports	Technical DSO
DFES Launch Webinar for LA	Local Authority
Whole System Coordination Register	Technical DSO

Strategy, Governance and Performance

Document	
DSO Strategic Action Plan	
A Guide to our Governance with the Distribution Network Operator	
DSO Performance Panel Submission	
Performance Metrics - Quarterly Update	
Performance Metrics - Quarterly Update	
Performance Metrics - Quarterly Update	
A Guide to our Governance with the Distribution Network Operator	
Functional Separation Arrangement	
DSO Strategic Action Plan: One Year On	
DSO Performance Metrics Q4 End of Year 2024/25	
Benefits Quantification Methodology	
DSO Methodology Workbook	
NG DSO Performance Panel Report 2024/25	

Data Centre

A curated list of relevant DSO data.

- A useful hub to get to some of our datasets instead of using the full Connected Data Portal
- Includes links to data related to connections, network assets and live data

<https://dso.nationalgrid.co.uk/resource-centre/data-centre>



Connected Data Portal

Your comprehensive source for real-time and historical data on the energy systems provided by National Grid.

- Download data, view online or access via API
- View by category or search for data
- Deeper look into CDP in the next webinar
- New version and improvements in development

<https://connecteddata.nationalgrid.co.uk/>

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Website and Applications

Guided Tour

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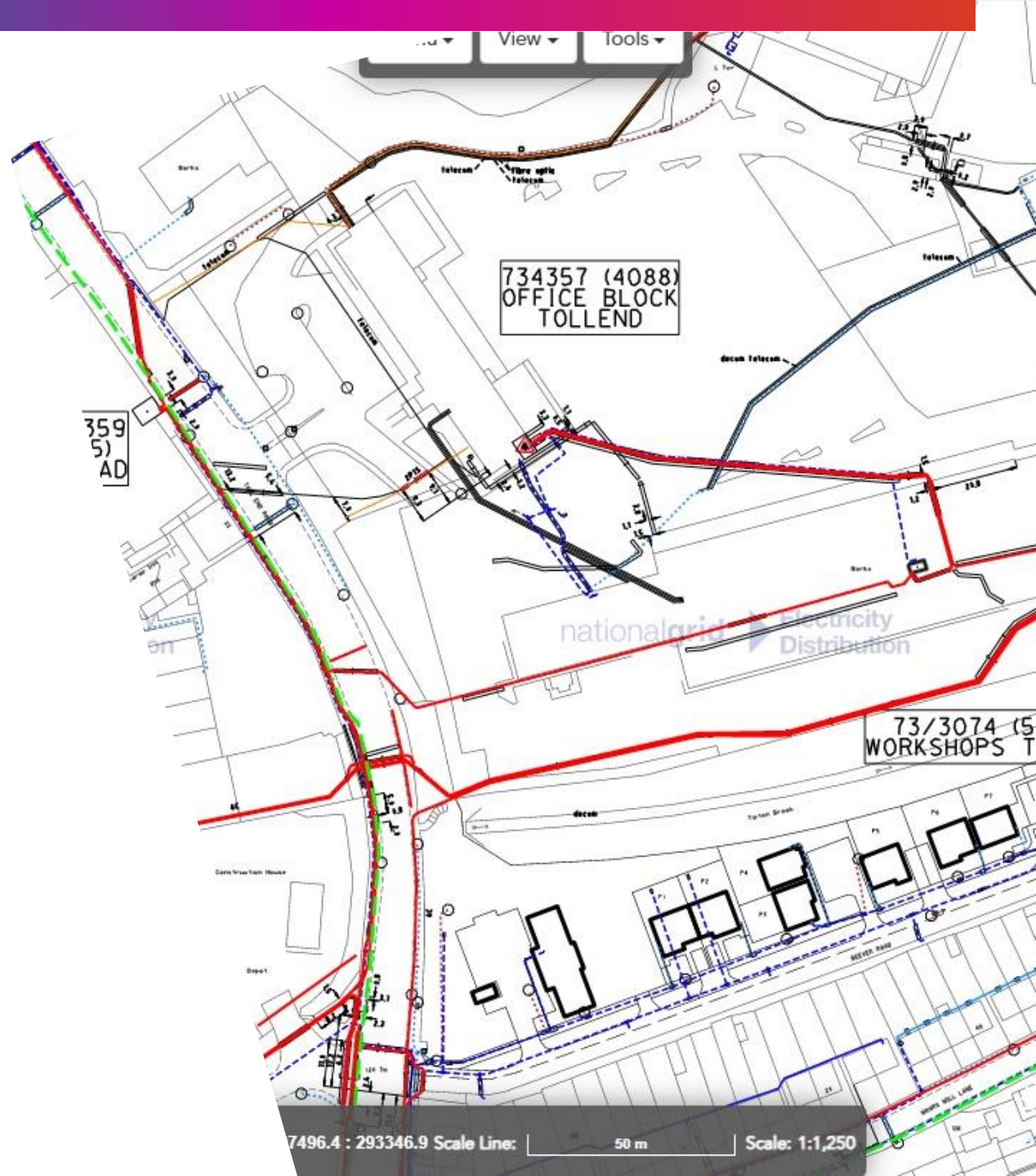


Data Portal 2: Emu Online

- A design and planning assistance tool for Independent Connection Providers, Companies and Contractors looking for a point of connection to our network
- A useful tool for Local Electric Vehicle Infrastructure (LEVI) work
- Precompiled datasets are available for download
- Access is managed by our NGED Mapping department

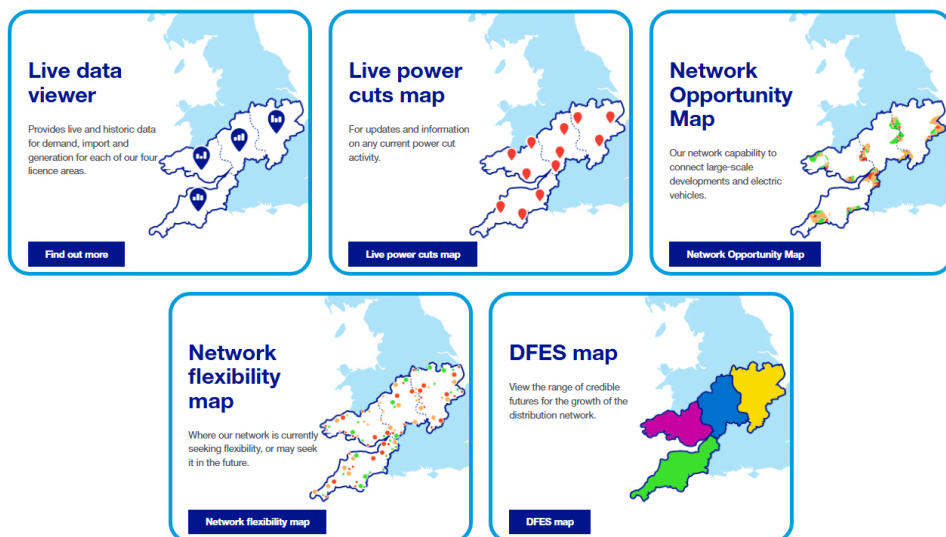
<https://dataportal2.westernpower.co.uk/>

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Map Hub

- Dedicated page to get to our interactive maps
- Includes DSO and DNO information such as live data



<https://commercial.nationalgrid.co.uk/maps-hub>

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Interactive maps and services



Investment map

The investment map details a selection of projects that are planned and being completed on our network.

[Find out more](#)



Social indicator mapping

This data helps to identify areas with the highest concentrations of vulnerable customers. This allows us to target outreach projects in areas of highest vulnerability.

[Find out more](#)



Distributed generation EHV constraint maps

These are overview maps of our EHV networks, 33kV and above.

[Find out more](#)



Live power cuts map

Keep up to date with any network issues that are happening on our network.

[Find out more](#)



Network Opportunity Map

The Network Opportunity Map provides an indication of the networks capability to connect large-scale developments and electric vehicles.

[Find out more](#)



Network flexibility map

The Network Flexibility Map has been developed to display where our network is currently seeking flexibility, or may seek it in the future.

[Find out more](#)



Roadworks map

This map provides details of some of our major works that require road closures or temporary traffic lights. Please note that not all works are included here and there may be other works that will affect roadways.

[Find out more](#)



DFES map

This map outlines the range of credible futures for the growth of the distribution network. These scenarios encompass the growth of demand, storage and distributed generation, as well as low carbon technologies.

[Find out more](#)

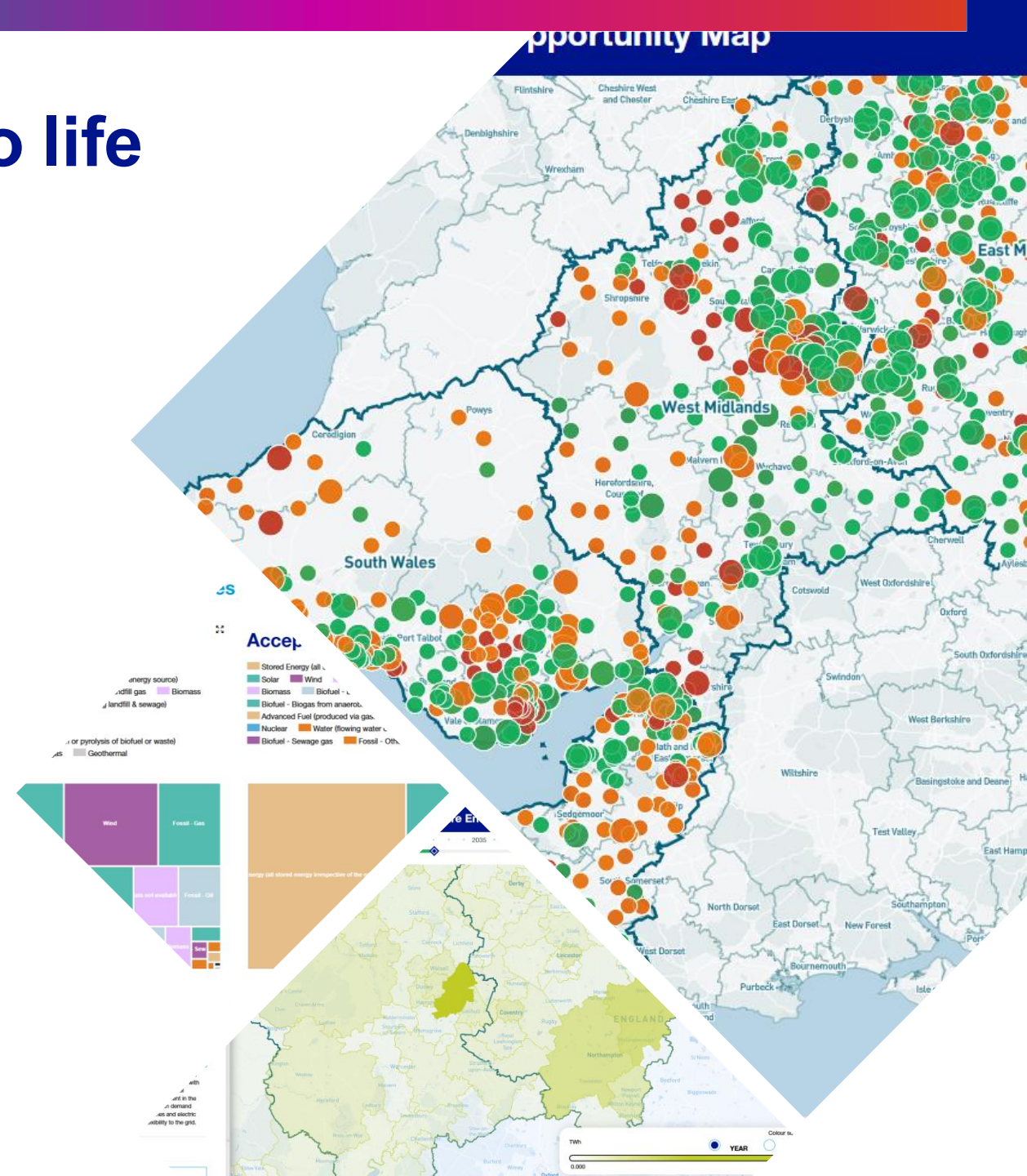
Summary: Bringing our data to life

- We transform complex data into intuitive, interactive tools that help stakeholders make confident, informed decisions
- With your feedback we create new tools and continually improve existing ones

Accessibility

Usability

Consistency



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Feedback and Actions



Phil Moseley

Head of System Models & Data

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Your feedback – our actions

“We’d like more support and training”

We are providing more training videos and webinar sessions



“We need more user-friendly tools and data transparency”

We relaunched our connections queue data to make it simpler

Datasets
Home / Dataset / Clearview Connect

Clearview Connect
System and Network

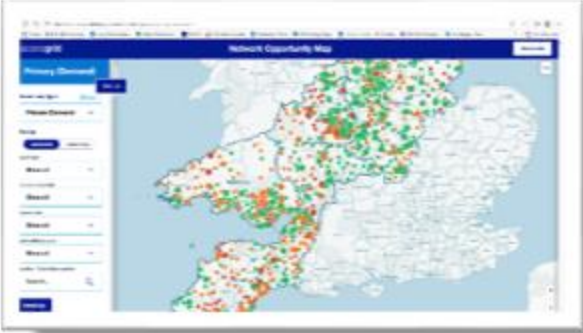
This dataset contains the list of generation schemes currently in the pipeline to be connected, additional information on specific GSPs is available at <https://connections.nationalgrid.co.uk/clear-view-connect/>

The information contained here contains data which is already available in the public domain and which have been configured into a more useable format to help users understand the profile of pipelines at specific GSPs. Whilst we use reasonable endeavours to ensure that the information is accurate, we do not warrant and do not accept any responsibility for the accuracy or the completeness of the content or for any loss which may arise from the reliance on the reports or related information.

Data Files

Name	Format	Last Changed	Download
Clearview Connect Pipeline	csv	3 weeks ago	Download Explore
Data Sharing Assessment	pdf	4 months ago	Download Explore
Clearview Connect		4 months ago	Download Explore

Your feedback – our actions



**“We need better data provision
to support business decisions”**

**We continue to publish new
datasets and network insights**

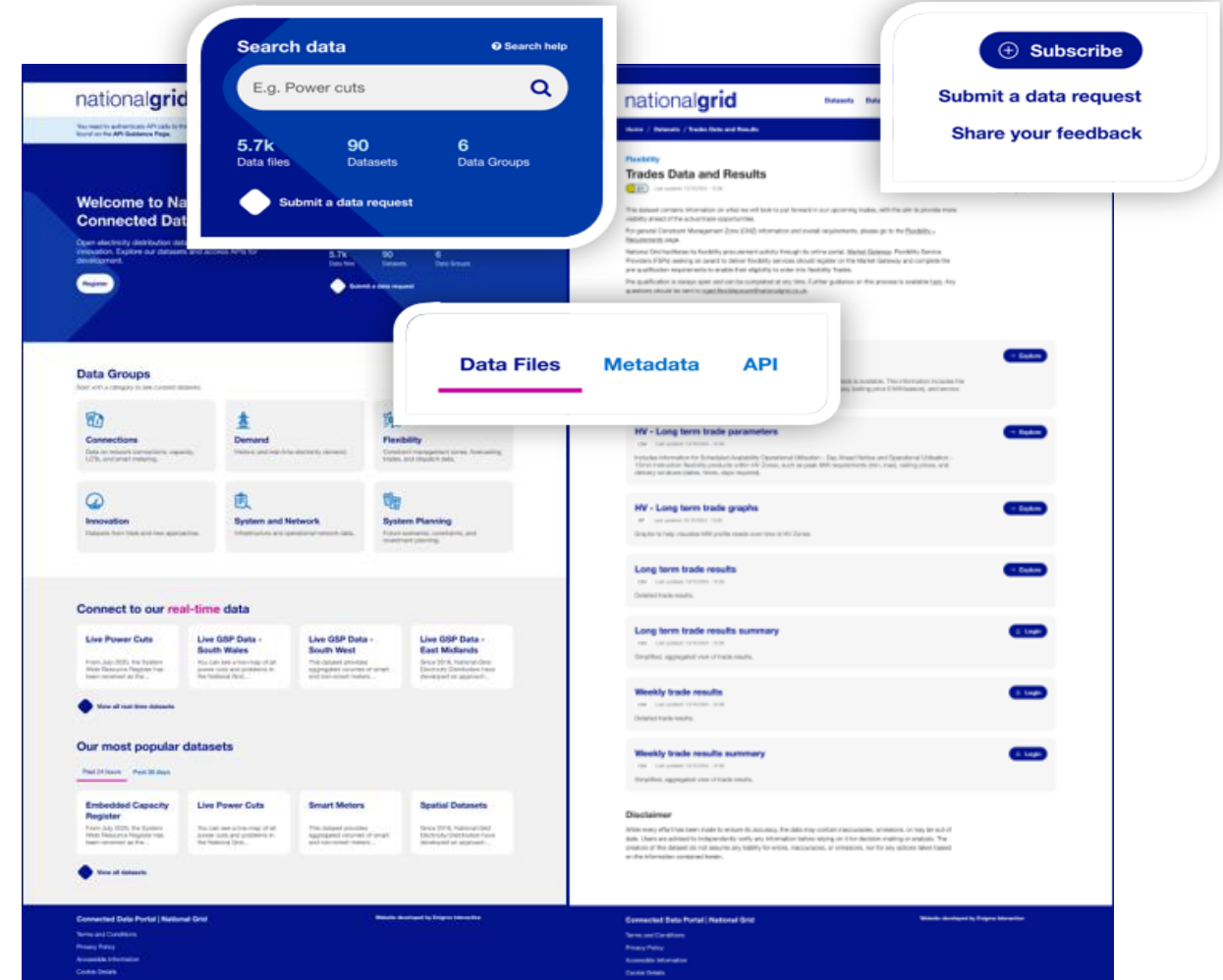
**Your data portal is fragmented
and hard to navigate**

Sneak peak on the next slide...

The Rebranded and Improved Data Portal

A preview to changes we are making based on your feedback

- Formed the 'DSO Data Scrum Team' to aid fast and agile development of improvements
- Proposed new layout is clearer, quicker and more accessible



We want to hear your views

It's important to us to make sure we are delivering what you need.

Has today improved your understanding of what data is on offer from the DSO?

Has today helped you understand how to access DSO data?

Would you like to see any changes or new features to our data in the future?



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Questions and Answers

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