

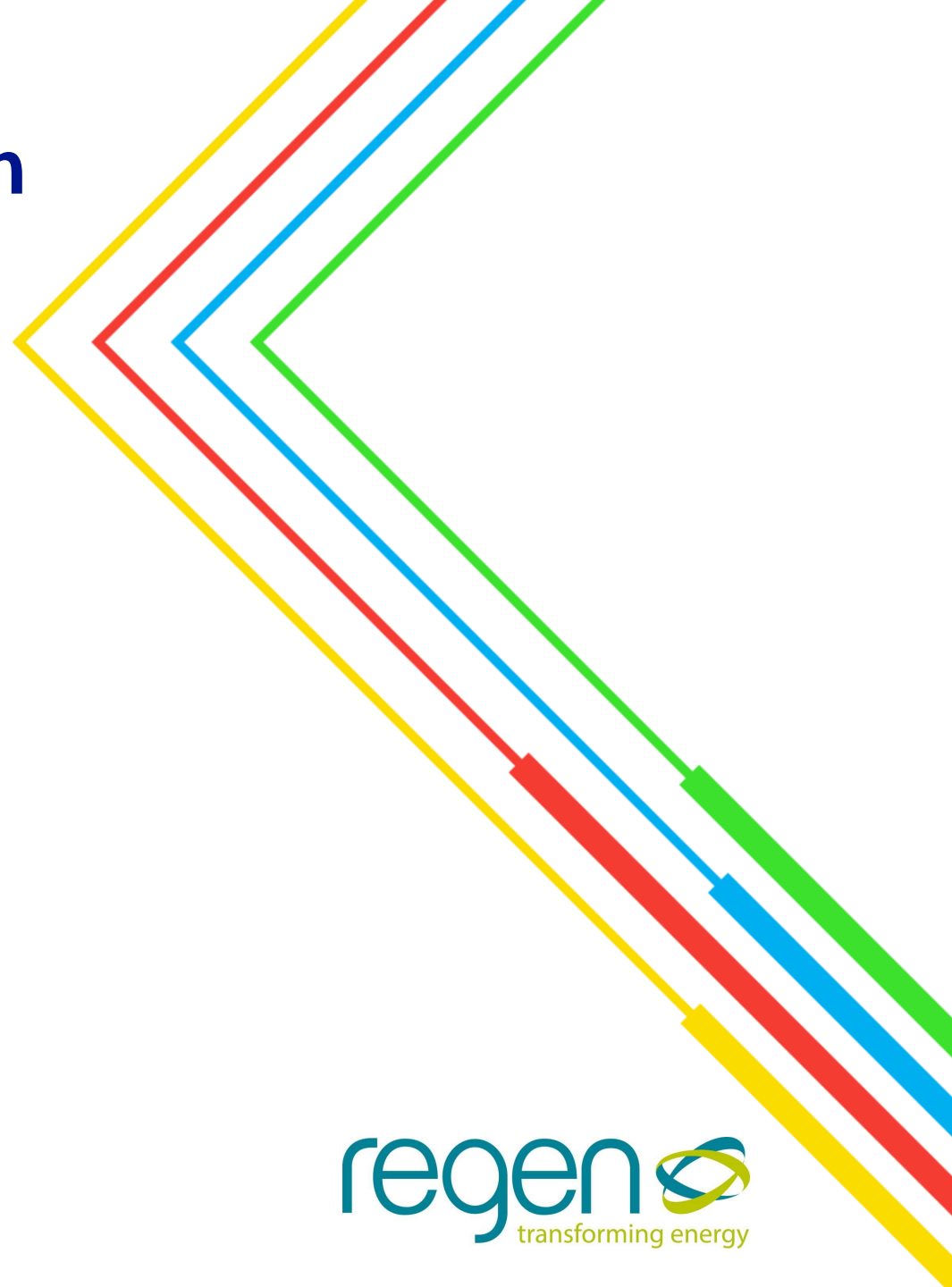
National Grid Electricity Distribution

Distributed Generation Owner/Operator Forum

Tuesday 26th September 2023

nationalgrid

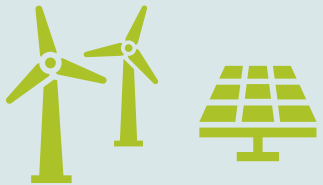
regen 
transforming energy





Regen is an independent centre of energy expertise with a mission to accelerate the transition to a zero-carbon energy system.

Two of our strategic goals:



A roadmap to a net zero power system by 2035 with policies to drive a fourfold increase in renewable generation and effective markets for flexibility.



Energy and digital infrastructure ready to connect and operate the EV chargers, heat pumps, storage and renewable power generation required in a zero-carbon energy system.

Distributed Generation Owner Operator Forum

Core objective:

Provide an opportunity for NGED and distributed generation owners/operators to communicate, tackle arising issues and contribute to improved processes.

Key topics:

- Network outages and constraints, and how to improve their forecasting and mitigation.
- Ongoing work programmes.
- Development of the DSO and its implications for connected generation.

Agenda

- 14:00** **Introductions**
Bruce Bardsley, Energy Analyst, Regen
- 14:05** **Welcome Robert Ballentine, NGED's new Control Centre Manager**
- 14:20** **Update on G99 requirements for repowering sites**
Andrew Akani, Primary System Design Manager, NGED
- 14:35** **Update on NGED outages & constraints; Generation Portal update**
Danielle Greedy, Control Support Engineer, NGED
- 15:00** **DSO update**
Matt Watson, Flexibility Manager, NGED
- 15:15** **AOBs & Feedback**
Bruce Bardsley, Energy Analyst, Regen
- 15:30** **Event End**

Welcome

What's happening at NGED?

Future forums and feedback

Robert Ballentine

Control Centre Manager, NGED

rballentine@nationalgrid.co.uk

Tel: 07921069398

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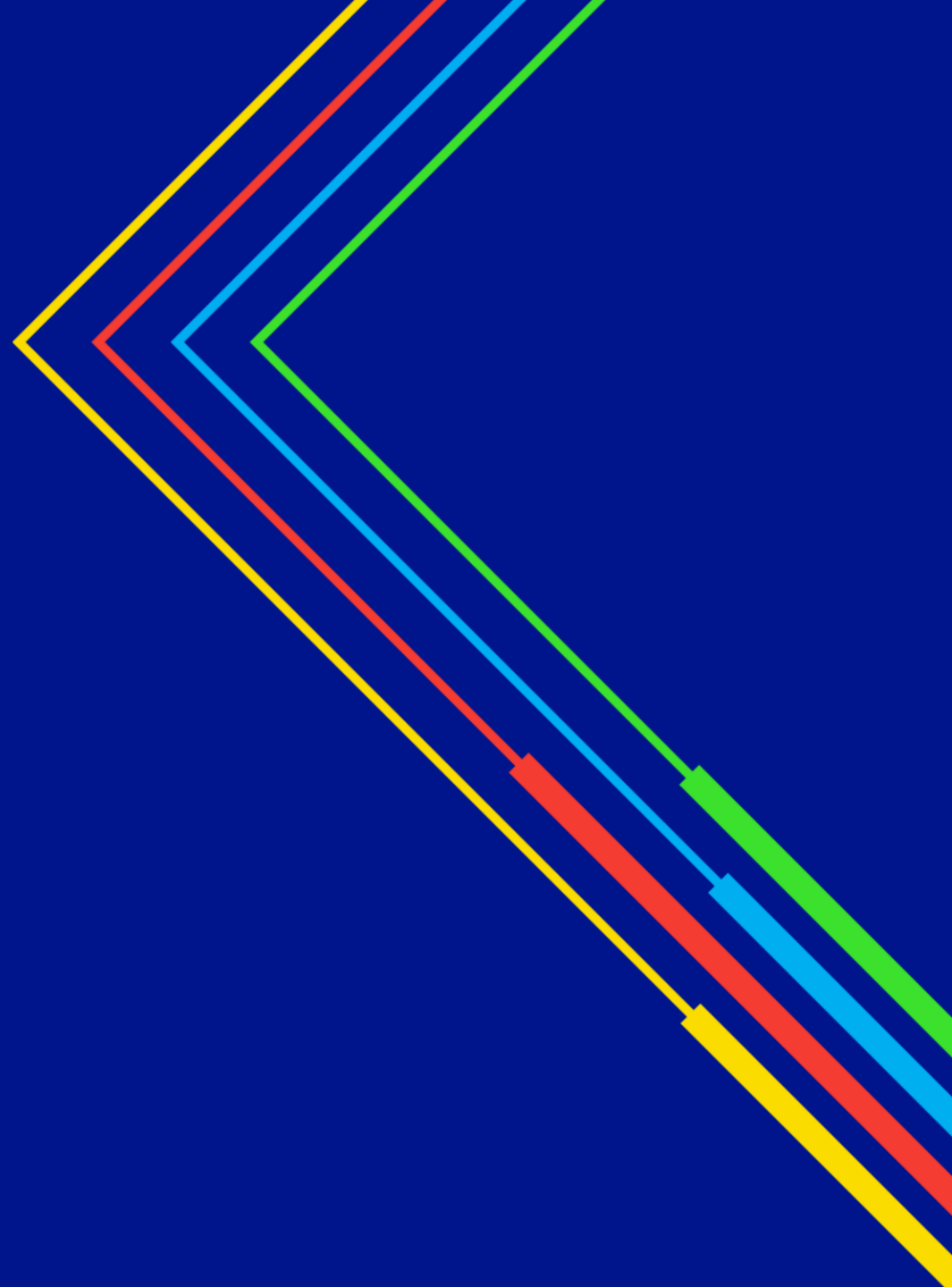


Update on G99 compliance for repowering sites

Andrew Akani

Primary System Design Manager, NGED

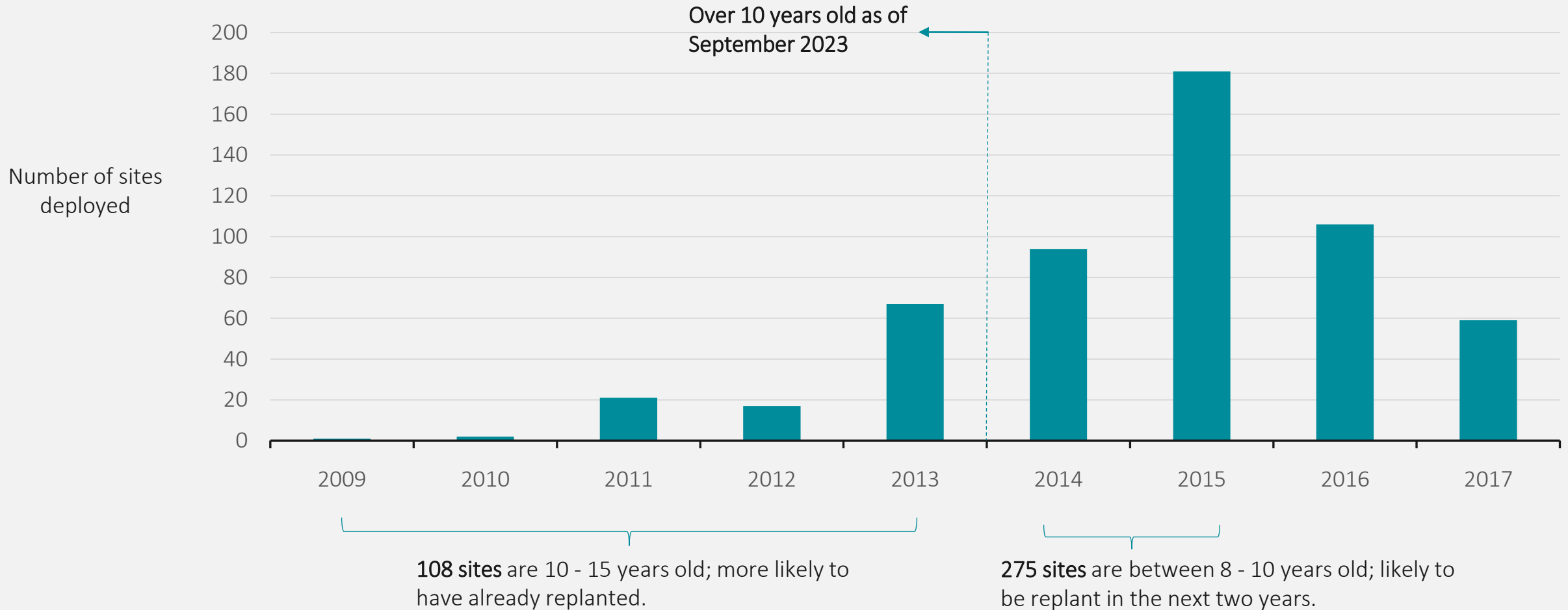
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Historic deployment of large scale* solar sites on NGED's network



A high number of sites are now approaching 10 years of operation. These are likely to replant, requiring a new G99 application process.

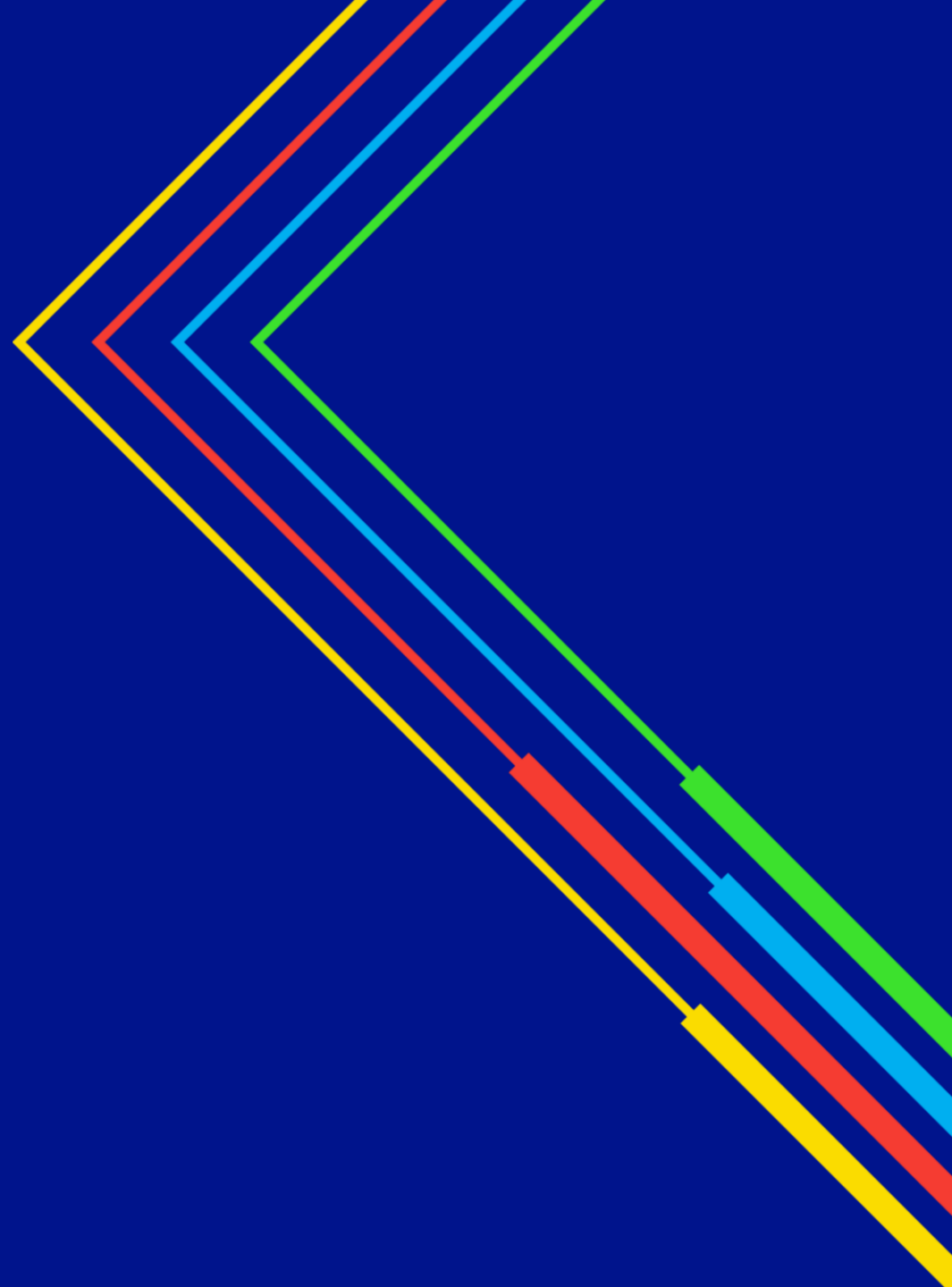


**large scale solar is defined as sites with capacity greater than 1 MW*

Outages, constraints & the generation portal

Danielle Greedy

Control Support Engineer, NGED



National Grid Electricity Distribution Outages 2023

NGET & NGED approaching end of 'Outage Season' (late March – end October).

Current Number of Upcoming Planned Outages per License Area (Ongoing, Approved, Provisional & Submitted);

- South West – 310
- South Wales – 201
- East Midlands – 415
- West Midlands – 232

The image displays four screenshots of the WPD Control Centre - Outage Planning (Live) interface, arranged in a 2x2 grid. Each screenshot shows a dashboard for a specific license area with various navigation and status buttons.

- East Midlands:** Shows 40 outages awaiting approval. Buttons include Enter New Outage, Edit Outage, View Archive, Outage Scheduler, Comments (4), Administration, Reports, and an Inbox button.
- West Midlands:** Shows 48 outages awaiting approval. Buttons include Enter New Outage, Edit Outage, View Archive, Outage Scheduler, Comments (165), Administration, Reports, and an Inbox button.
- South Wales:** Shows 141 outages awaiting approval. Buttons include Enter New Outage, Edit Outage, View Archive, Outage Scheduler, Comments (2), Administration, Reports, an Inbox button, and LTP Import / Reports.
- South West:** Shows 297 outages awaiting approval. Buttons include Enter New Outage, Edit Outage, View Archive, Outage Scheduler, Comments (0), Administration, Reports, an Inbox button, LTP Import / Reports, and a Quit button.

Each interface also displays the number of outages in the inbox (e.g., 10 for East Midlands, 0 for South Wales and South West).

NGED 2024/25 Outage Plan

- NGED Projects Teams in process of assessing outages required for next year.
- NGET Year Ahead Plan due in December 2023 (includes planned outages from April 2024 – March 2025).
- Any sites affected by outages on National Grids network will be able to view these on the WPD Portal from late December 2023.
- Formal notification of these outages will come from NGED Outage Planner for the relevant area.
- Any queries for these outages should be directed to the WPD Generation Inbox for your area where they will be directed to the appropriate outage planner.



South West & Wales

nged.swestwalesgen@nationalgrid.co.uk

East Midlands

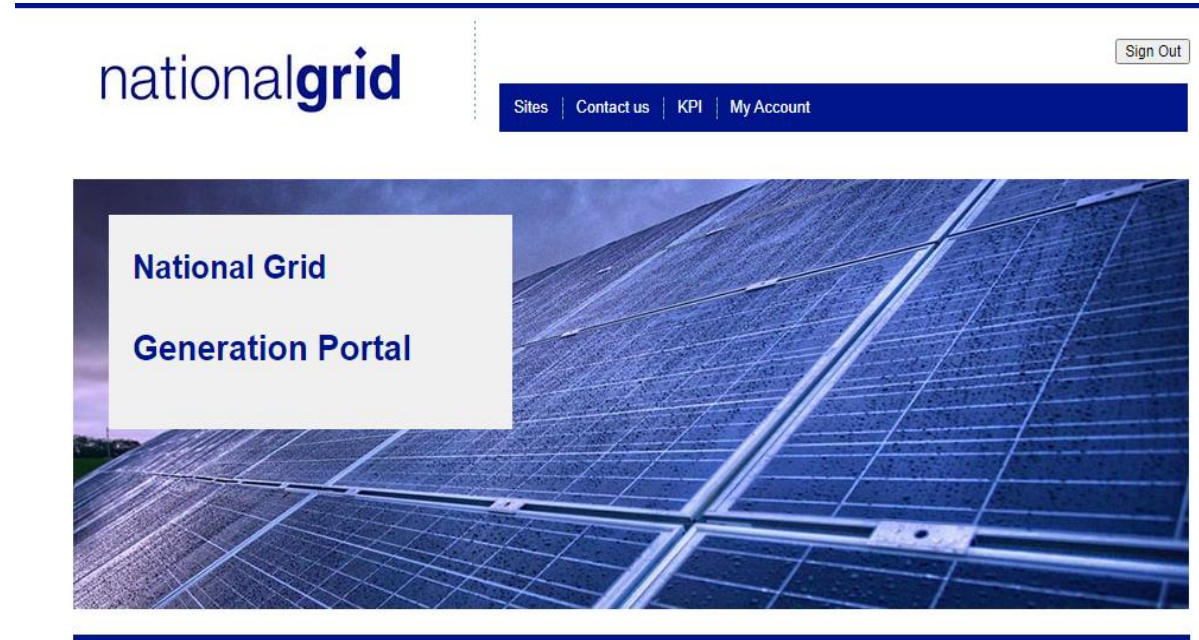
nged.westmidgen@nationalgrid.co.uk

West Midlands

nged.eastmidgen@nationalgrid.co.uk

NGED DG Portal Update

- Work ongoing to transfer portal onto new platform in February 2024.
- Testing of new portal to begin October 2023. If anyone is happy to be involved in this testing please let us know and your details can be passed onto Enigma.
- New process being implemented regarding Portal updates. Moving towards a 'ticket system' as per request at last DGOO forum.



[Click here for our Post Energisation Document](#)

This leaflet has been designed to try to offer you a synoptic review of some areas you may wish to investigate further with us and that may pop into your mind once you have a connection to your site.

Remember, we are here to help you generate onto our network, so please take a moment to familiarise yourself with the document's contents, and for those of you who are familiar with NGED, hopefully it will be a handy aid memoir on who to contact within our organisation.

For queries relating to the generator portal, to receive a copy of our getting started guide or to request the creation of a user account please contact nged.swestwalesgen@nationalgrid.co.uk.

Queries from last DG00 Forum

- Can multiple change notifications be sent out (e.g. to manager and site owner)?

Yes. Whilst updating details, add additional contacts in the 'Customers Notes' section under 'General Notes'. Control Shift Clerk will then add these additional contacts into the Outage Management System.

The screenshot shows the National Grid portal interface. At the top left is the 'nationalgrid' logo. To the right is a navigation bar with links for 'Sites', 'Contact us', 'KPI', 'My Account', and 'Admin', along with a 'Sign Out' button. Below the navigation bar, there are two main sections. The left section is titled 'Sites' and contains links for 'Planned outages' and 'Historic outages'. The right section is also titled 'Sites' and contains a table of site details. Below the table is a 'General Notes' form with fields for 'Outage Email:', 'Customers Notes:', and a 'SUBMIT' button.

Site name	Update site
33kV Solar Park	Update site details
Test Site	Update site details

General Notes

Outage Email:

Customers Notes:

SUBMIT

Queries from last DG00 Forum

- Can opting out of non-essential communication be made more easy?

Clarification required on 'non-essential' communication.

Communications currently sent out;

- 8-Week Upcoming Outages (sent every Friday)
- Portal Changes (i.e. new outage, changed outage, cancelled outage)
- Confirmation from NGED site engineer / technician of planned outage curtailment / interruption.

- Could NGED investigate providing more specific outage and restoration timings?

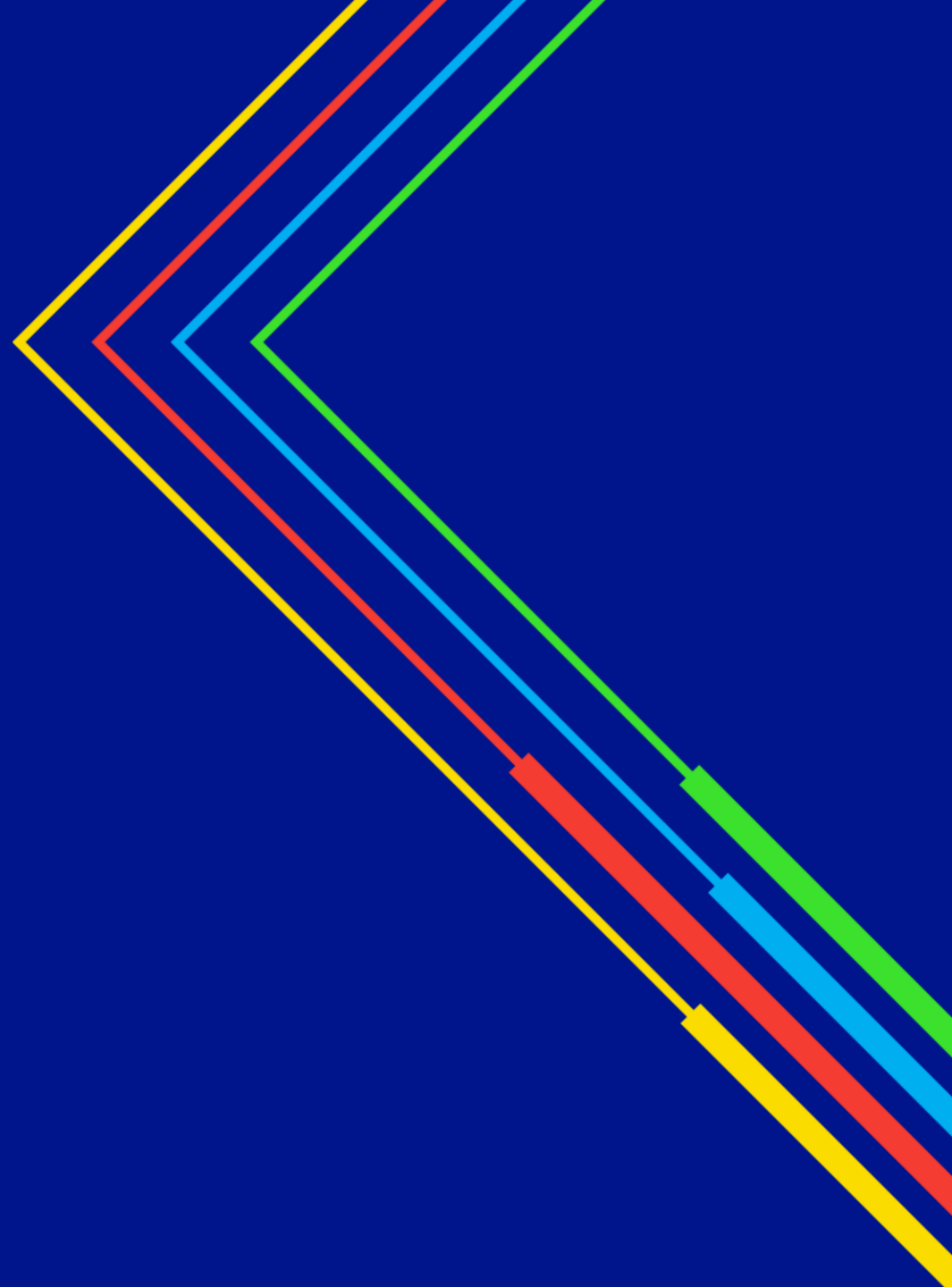
Down to staff on-site / Control Room resource.

DSO update

Matt Watson

Flexibility Manager, NGED

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DSO Engagement

NGED DSO Electricity Future Series



Update on Flexibility Service Procurement

A number of key changes over the last 6 months

- Launch of our market gateway to digitise the procurement process
- Roll out of LV zones, longer term trades and our Sustain product
- Reviewed our Baselines
- Review of the data we publish on our connected data portal

The screenshot shows the 'nationalgrid' website interface for the 'Commercial Qualification' process. At the top, there is a navigation bar with links for 'Home', 'Commercial Qualification', 'Contact Us', and 'Glossary'. Below this, the 'Commercial Qualification' section features a horizontal flowchart with four diamond-shaped nodes: 'PIN Response', 'PQQ', 'Qualification tender', and 'Contract'. To the right of the flowchart is a table of contents with four items: 'Introduction', 'Step 1 of 2: Confirm company account Information', 'Step 2 of 2: Declaration to Respond to PIN', and 'Thank you'. Below the flowchart, there is a heading 'Commercial Qualification Home' followed by a paragraph explaining the program and a 'Commence' button. A large blue arrow graphic points to the right across the bottom of the page.

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

Update on Flexibility Service Procurement

Key actions in the next year

- Further development of the market gateway
- We will be publishing a report on service stackability, highlighting how revenues can be stacked, and what improvements need to be made
- Roll out of Open Networks standardisation (PQQ, products, standard agreement, settlement, dispatch API...)
- Development of a demand turn up/generation turn down product.

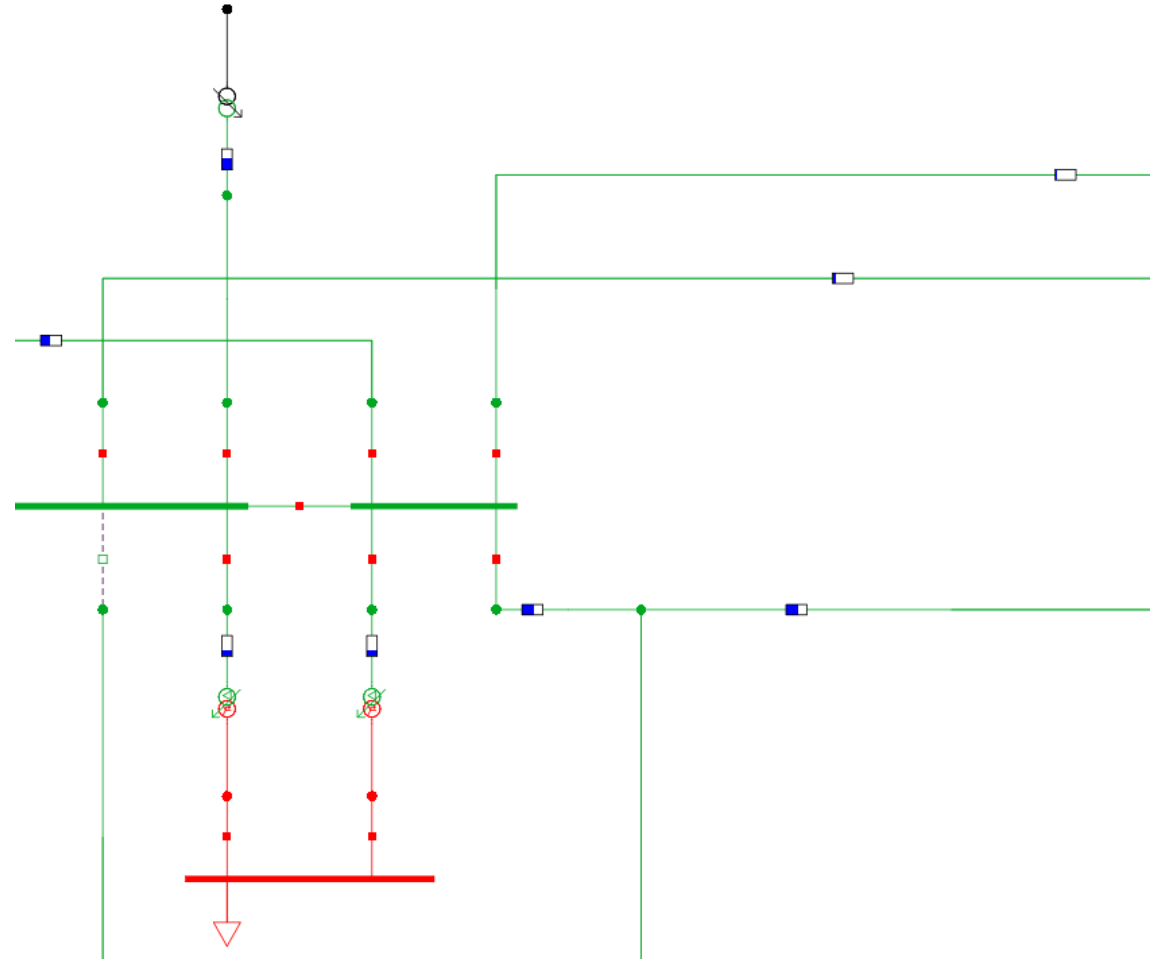
In general, services are readily stackable in adjacent time periods, but less so in the same time period.

Same Time Period	Whole-sale	CM	BM	RR	NIV Chase	FFR	FR	STOR	DNO Sustain	DNO Secure	DNO Dynamic
DNO Restore	No	Yes **	No	No	No	No	No	No	No	Yes ***	Yes ***
DNO Dynamic	No	Yes **	No	No	No	No	No	No	No	Yes ***	
DNO Secure	No *	Yes **	No	No	No	No	No	No	No		
DNO Sustain	Yes	Yes **	No	No	No	No	No	No			
STOR	No	Yes	No	No	No	No	No				
FR	No	Yes	No	No	No	No					
FFR	No	Yes	No	No	No						
NIV Chase	No	Yes	No	No							
RR	Yes	Yes **	Yes								
BM	Yes	Yes									
CM	Yes										

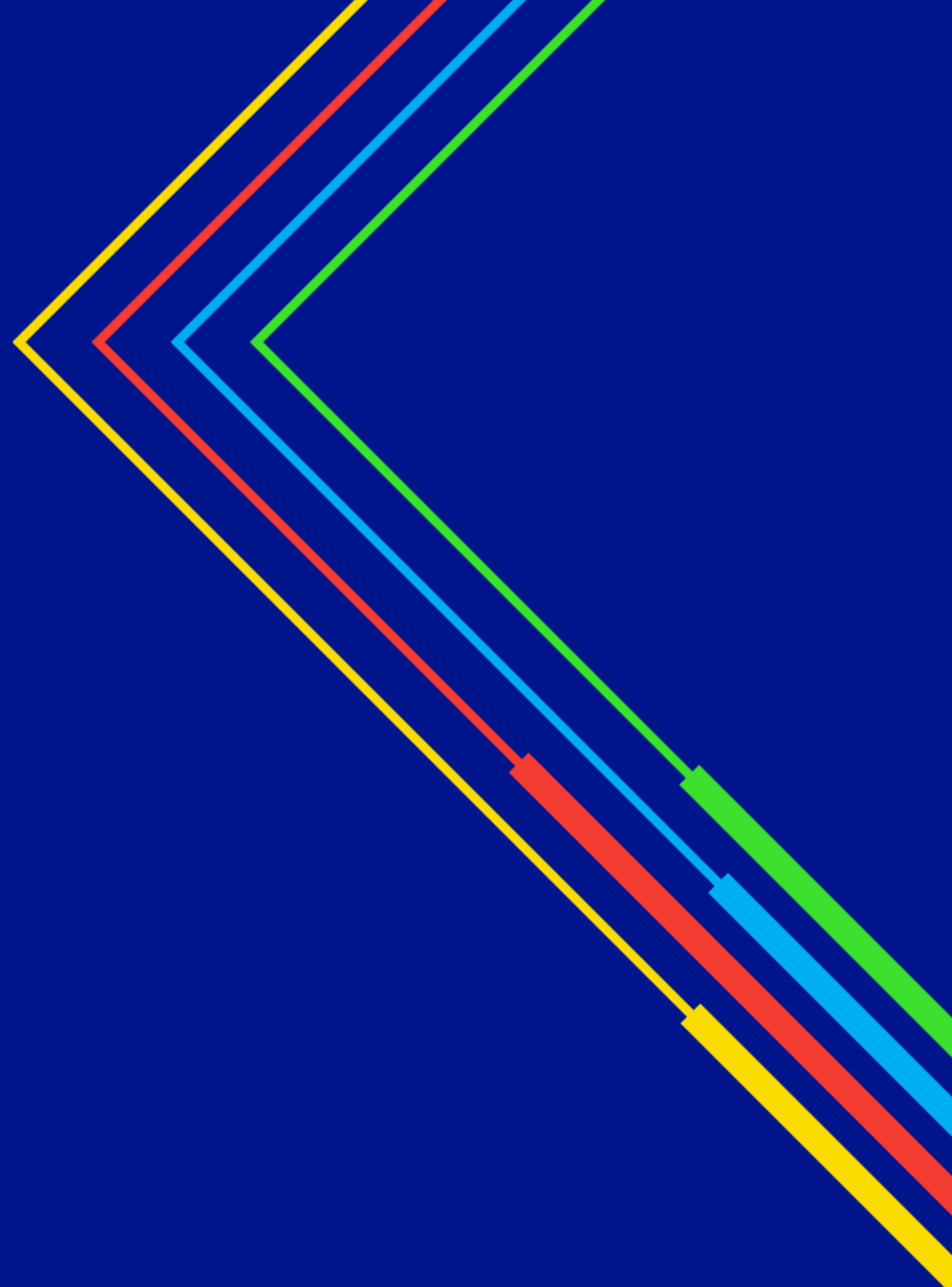
Investigating generator curtailment

We are looking to enhance our modelling of generator curtailment.

- We are developing enhanced processes and tools to better model the requirements for curtailment during outages.
- We have started by assessing a few case studies.
- We are now looking at how to scale the process.
- We will provide more updates in due course.



**Any other queries
for NGED?**



In person forum

22nd November 13:30 – 16:00, TLT Offices, Bristol

NGET will be attending to discuss their outage planning.

What else would you like to cover in future forums?



Contacts

Regen contacts:

Bruce Bardsley, bbardsley@regen.co.uk

Emma Madray, emadray@regen.co.uk

NGED contacts:

Southwest & Wales

nged.swestwalesgen@nationalgrid.co.uk

East Midlands

nged.eastmidgen@nationalgrid.co.uk

West Midlands

nged.westmidgen@nationalgrid.co.uk

Any outage specific queries should go to the person responsible for undertaking the works. Their email address will be attached to the outage notification / available to view on the DG Portal under Planned Outage

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