

ESO Coronavirus Preparedness

8th April 2020

The Webinar will start at 14:03



Recap of topic areas from the Webinar last week

Please ask any questions via the Q&A section in Webex and we will pick them all up at the end of the session and answer those now which we can.

These slides and further information about the webinars can now be found at the following location:

data.nationalgrideso.com/plans-reports-analysis/covid-19-preparedness-materials

A reminder of our response to the Covid-19 situation and our engagement with industry

We discussed our view on the potential impact of generator and provider availability and the work that we are doing with BEIS and OFGEM to understand the critical generation groups

We outlined the impact on GB National Demand, and committed to you to provide regular updates on the outturn vs pre-Covid estimates

We shared some of the work that we are doing around short-term operability, helping to prepare ourselves and the industry for extended periods of lower demand

and finally, we discussed our view of the potential impact on markets

ACCURATE

TIMELY

FLEXIBLE

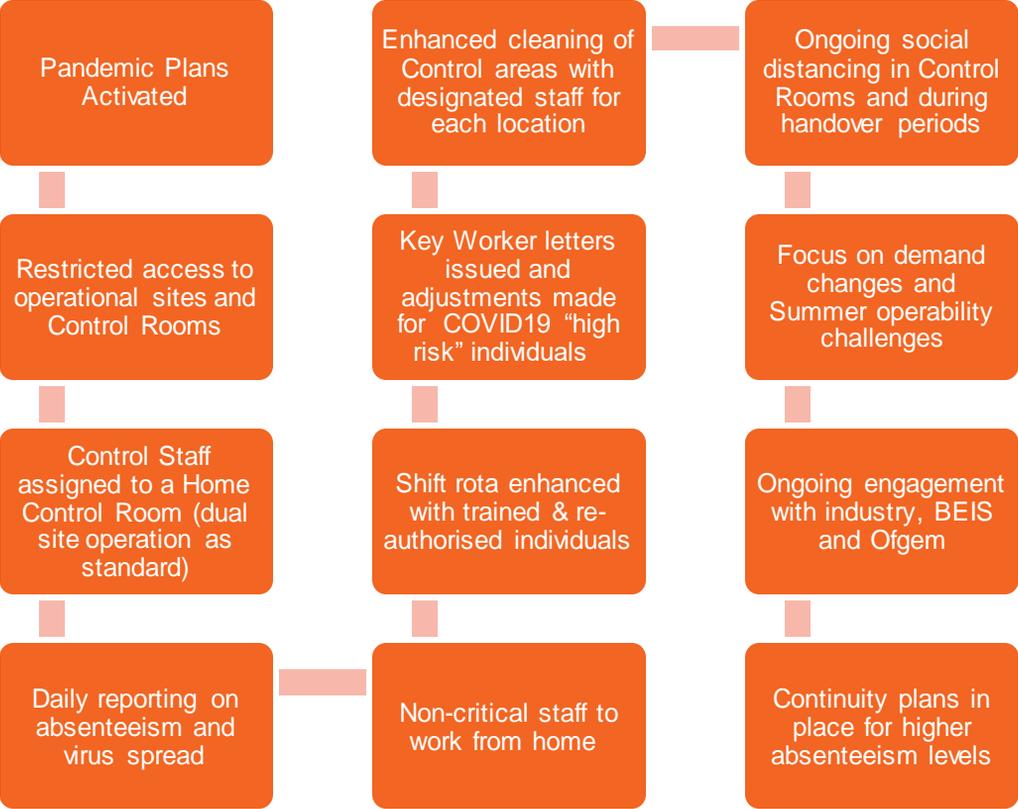
Commons themes of the questions that we received during the Webinar

Following the webinar last week, we have been in contact with our colleagues in the gas control room and they will be setting up a similar webinar to this one, for the gas industry. (The first is directly following this call)

We have included more information in this webinar around demand forecasts, following some detailed questions in this area.

- We received a number of questions around flexibility of generators and providers, for example, being able to provide different services or additional positive and/or negative margin. We will cover this in more detail later in the webinar
- Questions on the topics of small BMU dispatch, project Terre, black start tenders and other market information will also be covered in the webinar today
- That we have released to market information for Fast Reserve

Summary of ESO response to the COVID-19 outbreak



Industry Engagement and Coordination

Engaging through multiple forums:

Weekly ENCC webinar

BEIS' Networks & Interconnector groups

ENA COVID19 Resilience Group

Electricity Task Group, Emergency Planning Managers Forum and other existing platforms

International TSO liaison and working groups

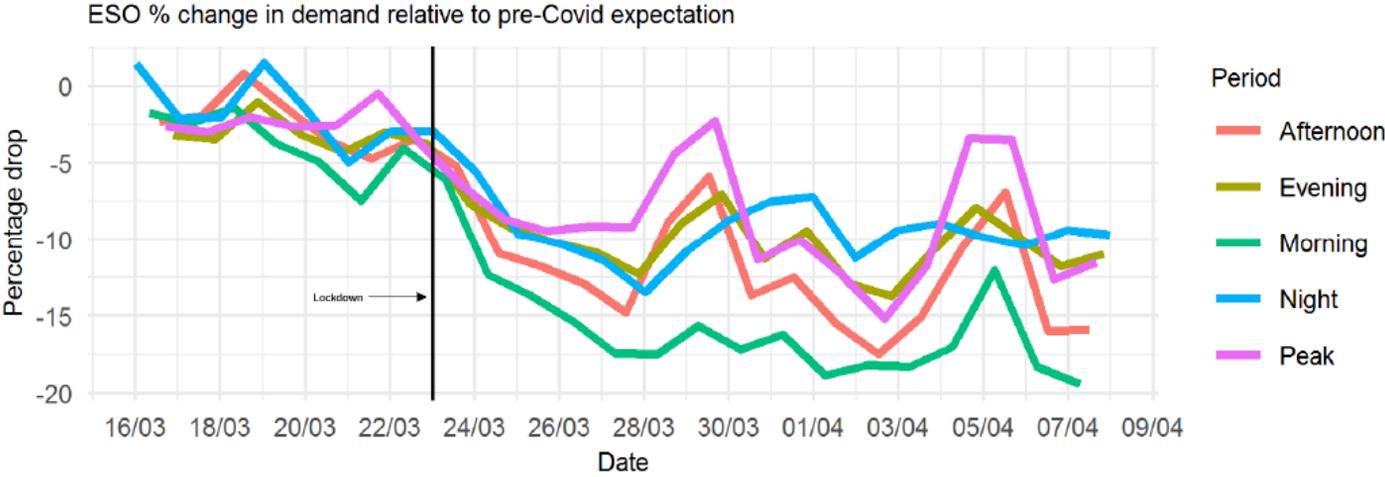
Bilateral discussions with individual parties

TO & DNO Meetings to discuss operating procedures

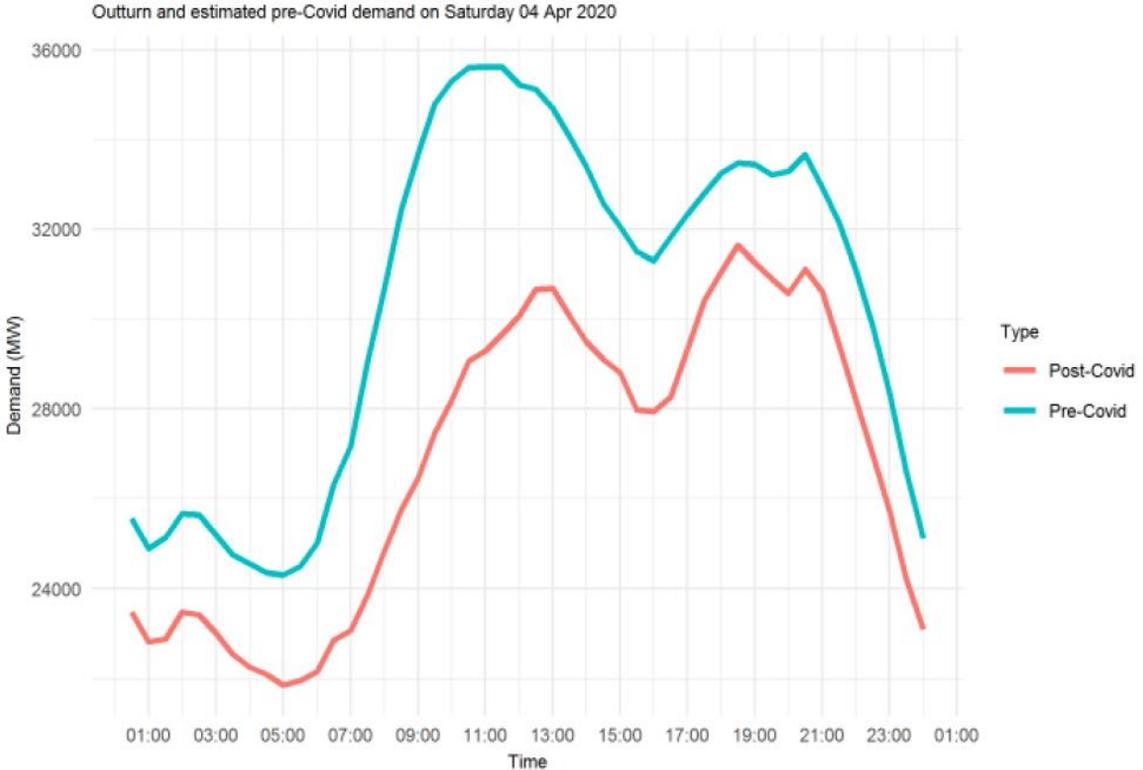
Please continue to engage with your Account Manager or normal point of contact.

Raising of issues or concerns is important so that ESO can maintain a realistic view of system operation and upcoming challenges.

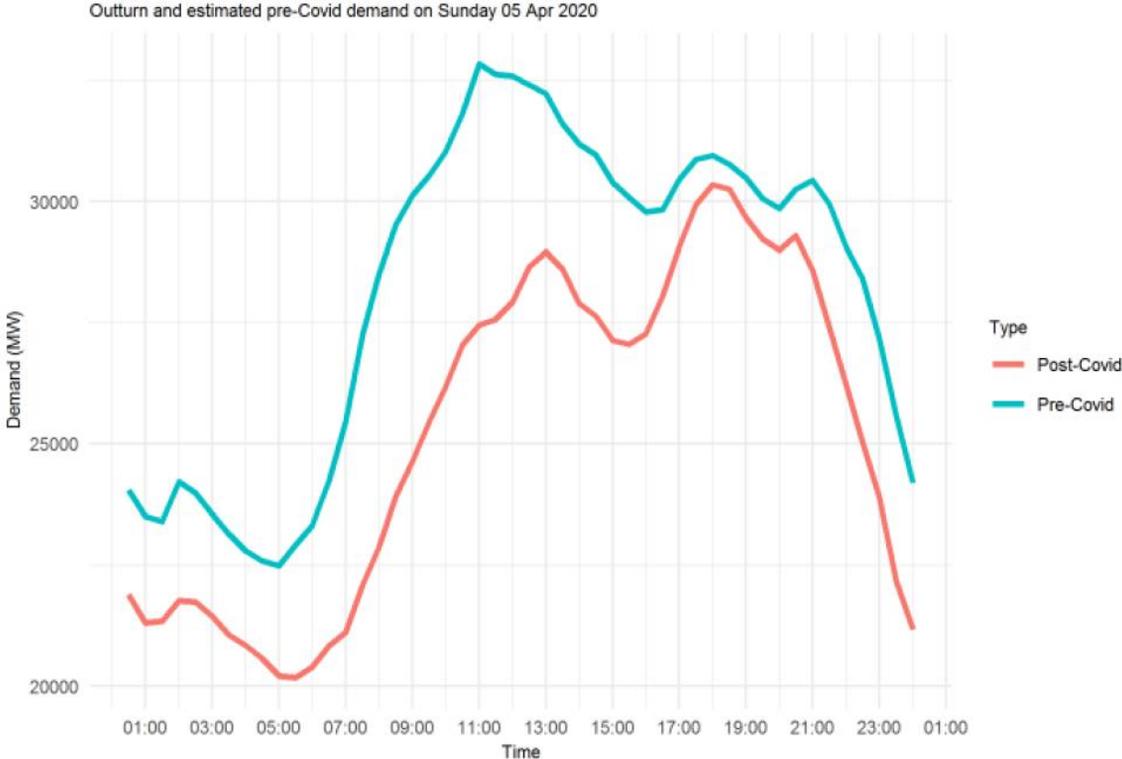
GB Electricity Demand | Weekly Outturn



GB Electricity Demand | Sat 4th April Profile

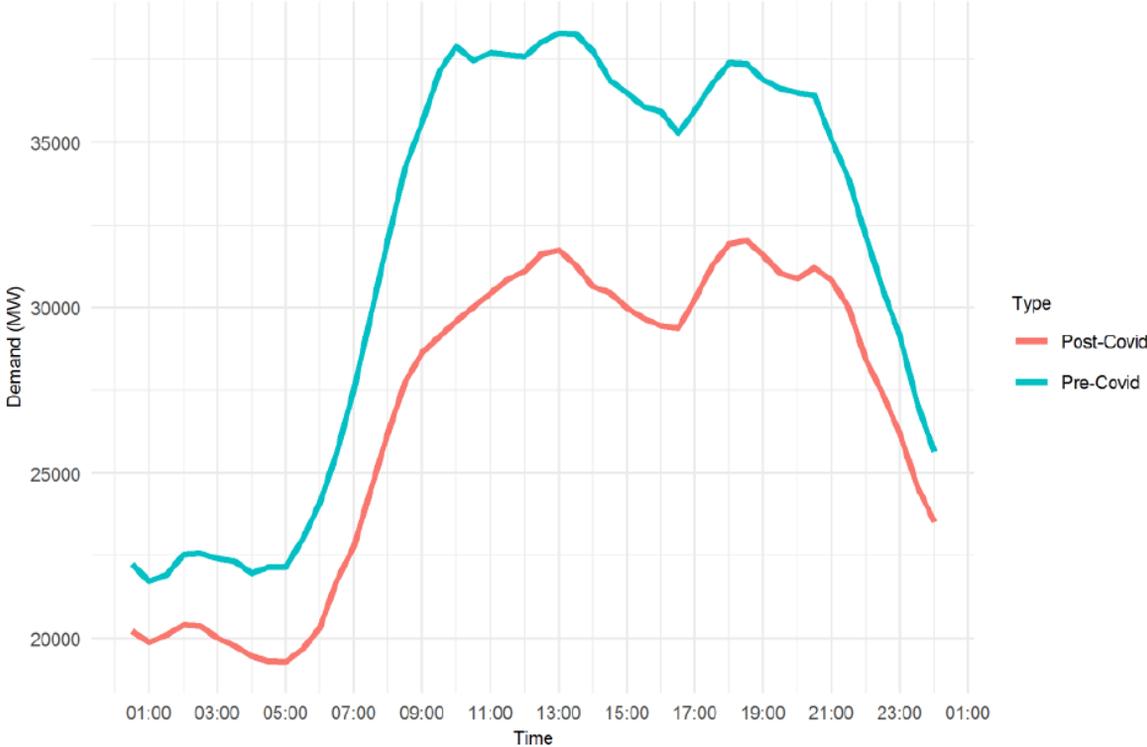


GB Electricity Demand | Sun 5th April Profile

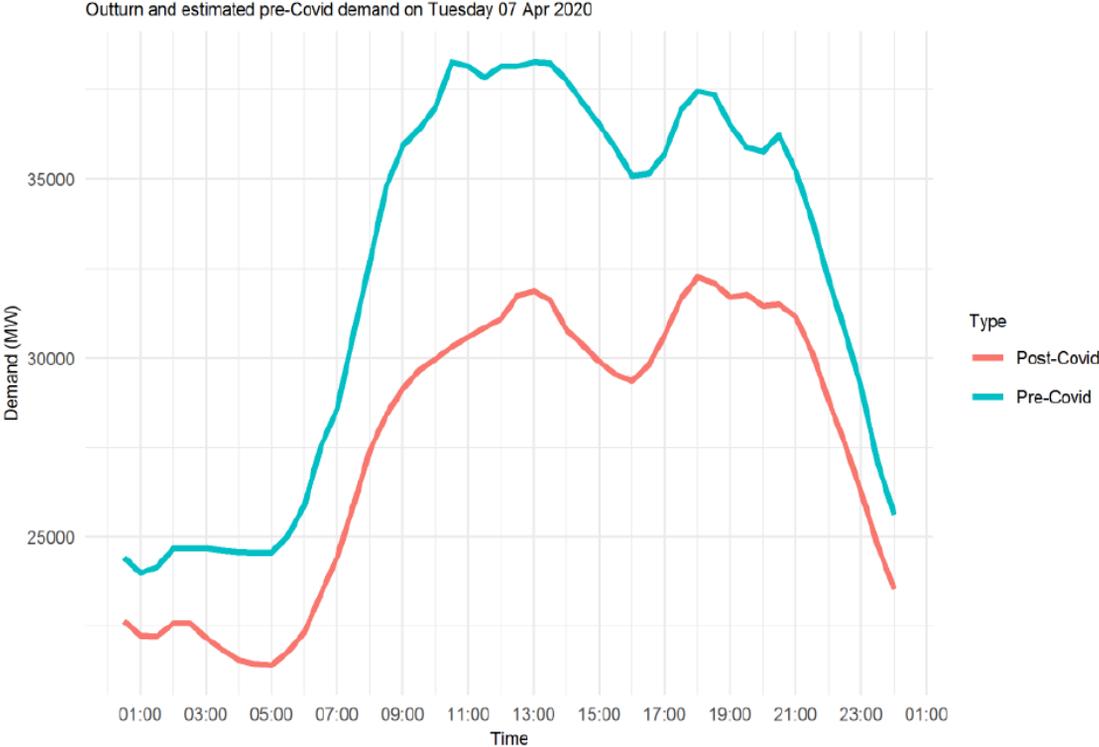


GB Electricity Demand | Mon 6th April Profile

Outturn and estimated pre-Covid demand on Monday 06 Apr 2020



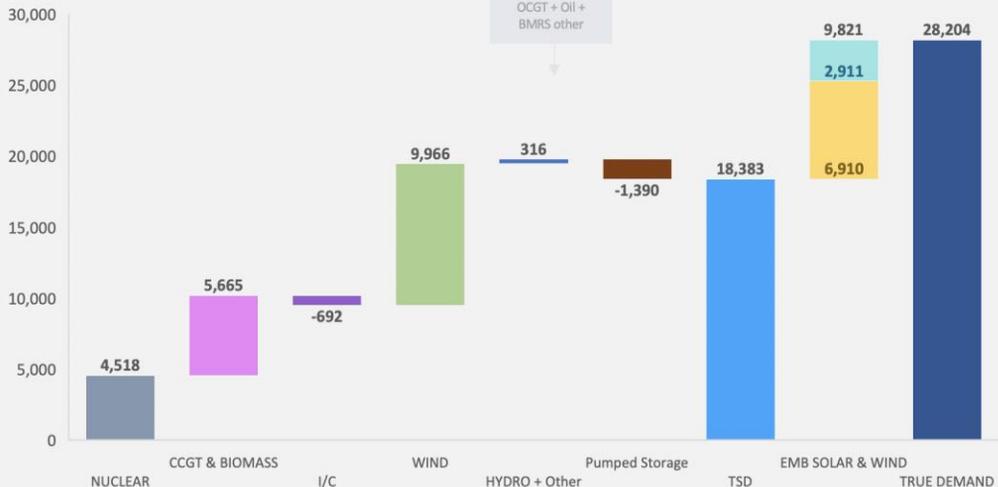
GB Electricity Demand | Tues 7th April Profile



Last Weekend – Snapshot view

Date: 05/04/2020

SP: 29



CCGT & BIOMASS



I/C



WIND

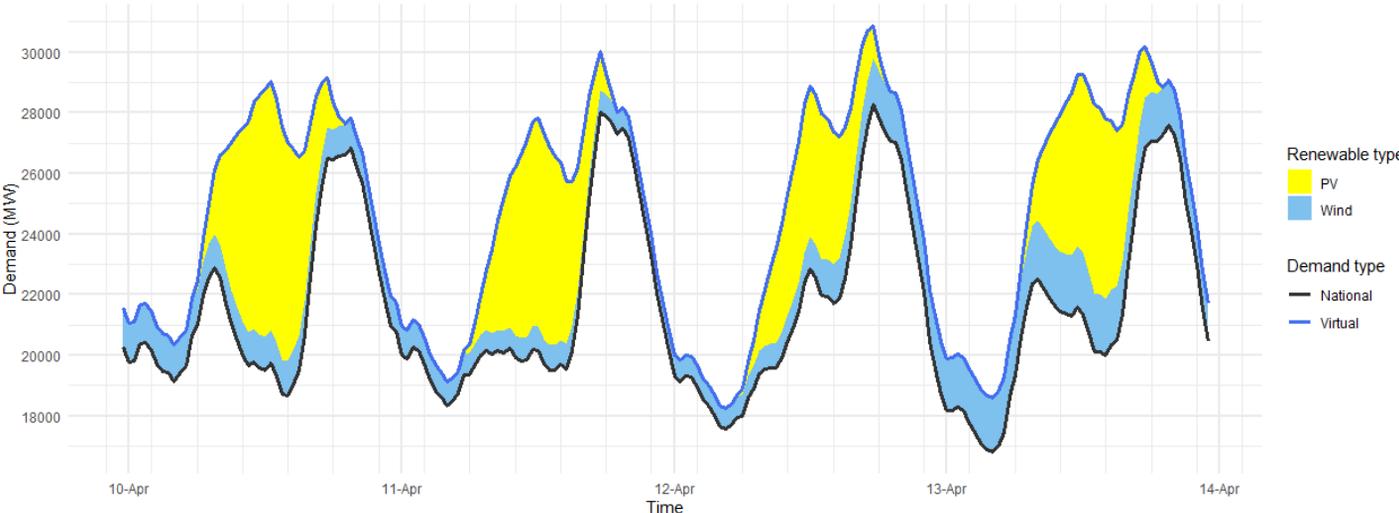


The ESO was actions to add CCGTs and Biomass to the system for Inertia management, voltage support and additional frequency capability

To make space for these units we were taking actions on the interconnectors, pump storage units and wind providers

GB Electricity Demand | Latest forecast for Easter 2020

Demand from Good Friday to Easter Monday 2020



Monday morning is forecast to be the lowest demand of the weekend at 16.8 GW

Short Term Operability

The ESO has established a working group of experts from across the ESO to assess, forecast, perform analysis, highlight gaps and develop solutions to manage the system this summer

- We are working with Network Operators to optimise network access
- We have experience managing the system at demands of around 17 GW for short periods (overnights and some summer weekend afternoons)
- COVID-19 demand will present low demand periods and for longer durations this summer
- Conversations are taking place with ENA and DNOs around the Accelerated Loss of Mains Programme (ALoMP) on how to continue to progress this essential work
- Generator availability and continued flexibility will be essential in managing the system

Further details relating to specific tenders or market arrangements will be shared in due course.

Markets

Confirmation:

- April FFR tender & weekly response auction will go ahead as planned
- No change to Northern black start tender timescales – have written out to all providers for feedback and comments.
- Midlands & SW black start tender – written out for feedback no change delivery dates but some changes/flexibility around submissions of feasibility 2 works.
- Service delivery is expected to continue, we are regularly speaking to providers to ensure this. Please flag through account managers if there are any issues.
- We will be publishing the Summer Outlook.

Costs:

- As part of work into operability we want to ensure that we can give accurate forecasts of BSUoS over the COVID-19 period, we are expecting during low demand periods and high renewable outputs that we will be required to intervene as we have previously
- The ESO will continue to take the most cost-effective solutions to balance the system.

Markets

Developments

- We are continuing to develop Wind Power Available as per published timescales
- TERRE go live scheduled for June

STOR & Fast Reserve

- STOR and Firm Fast Reserve tenders remain suspended.
- Fast Reserve information is now on the ESO website - [here](#)
- Optional routes for STOR and Fast Reserve are available to units that have prequalified.
- In addition, wider access remains a route for providers wanting to offer their capacity in the Balancing Mechanism.

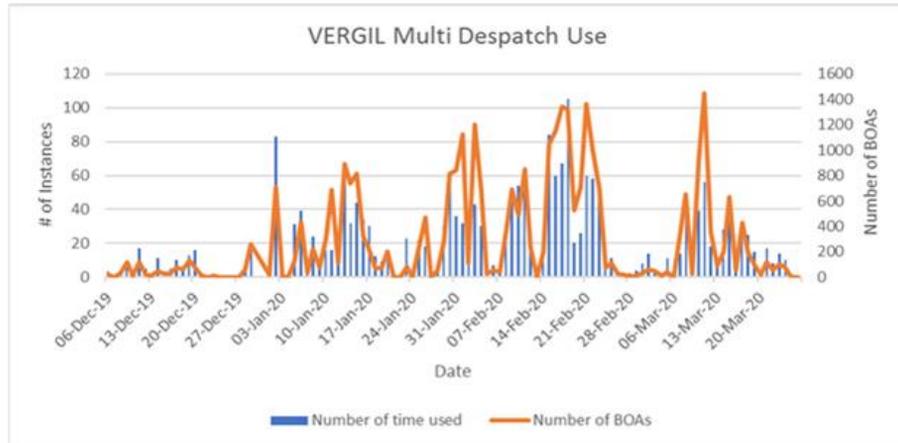
Dispatch of Distributed Energy Resources

As part of our journey to facilitate our zero carbon ambition, we put in place an additional resource in the control room – the Distributed Energy Resources (DER) Desk

This has proved to be extremely valuable in facilitating access to the Balancing Mechanism for distributed resources, and in building experience in the ENCC of best practice in supporting these new market participants

To further enhance this capability, we have developed a new multi-dispatch tool, which has been in place since the beginning of the year and we are continuing to develop our situational awareness tools

Robust experience gained from the DER desk and improvements to tools and systems, has allowed us to incorporate DER dispatch into the normal zonal dispatch BAU process.



Letter to industry

We will be writing to all providers to reiterate our ask from last week's webinar:

- Do you have current or forecast issues with availability – what does this look like, when could it happen, why could there be issues?
- Do you have current or forecast issues with flexibility – again, what does this look like, when could it happen, why could there be issues?
- Do you have further availability or flexibility or can you provide anything else which is not normally provided due to regulatory/commercial/other blockers?
- Specifically, do you have the ability to remove MW from the system and in what timescales?
- And a final ask to make sure that all of your data is up to date and fully reflective of your service provision

ACCURATE

TIMELY

FLEXIBLE

Q&A

Please ask any questions via the Q&A section in Webex and we will try to answer as many as possible now

Please continue to use your normal communication channels with ESO

If you have any questions after the event, please contact the following email address:

box.NC.Customer@nationalgrid.com

nationalgrideso.com

National Grid ESO, Faraday House, Warwick Technology Park,
Gallow s Hill, Warwick, CV346DA

nationalgridESO