

NGESO Coronavirus Preparedness

1st 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 up at the end of the session.

Summary of NGENSO response to the Covid-19 outbreak

The potential future actions or activities that we are planning for, should the impact of Covid-19 continue to grow

GB Electricity Demand

How we are forecasting and benchmarking GB electricity demand

Validation of forecast against outturn

What we are monitoring in the near-term and the observations that we have made

Reserve and Response levels

Generator availability

Margin

What we currently see as the impact on the market and longer term projects

Guidance and support for generators and providers

Our three key asks of data from providers:

ACCURATE

TIMELY

FLEXIBLE

Commons themes of the questions that we received during the Webinar

Several people asked about access to the webinar slides. These are now available on the NGESO data portal:

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

There were quite a few questions around the potential impact on generation availability, for example, due to reduced staffing levels. Also, whether there is critical generation that is required for system security.

We will discuss the work that we are doing with BEIS around this later in the webinar

The following question areas were raised, and we will also be discussed:

Are we seeing an impact on Network Operator maintenance outages?

Do we envisage any impact on BSUoS or imbalance settlement price?

Are we expecting to see an impact on downward margin and therefore an increase in the requirement for footroom/turn-down services?

We received some more detailed questions around specific markets, for example, Firm STOR, fast reserve contracts, TERRE, MFR on wind etc...

Summary of NGESO response to the COVID-19 outbreak

Pandemic Plans Rapidly Activated *(in line with our ISO22301 Business Continuity Management System)*

Control Room Operations

- Operationally critical activities have been completely separated, including splitting ENCC staff permanently over 2 sites
- Reinforced shift rota through training & re-authorising of staff
- Social distancing and enhanced cleaning is in place in the Control Rooms – with site access restricted to Critical staff

ESO Non-Critical Staff

- All non-critical staff working from home

System operation and continued monitoring is maintained due to our plans

Additional measures may be introduced as we continue to refine and reinforce our plans as the impact of Covid-19 evolves

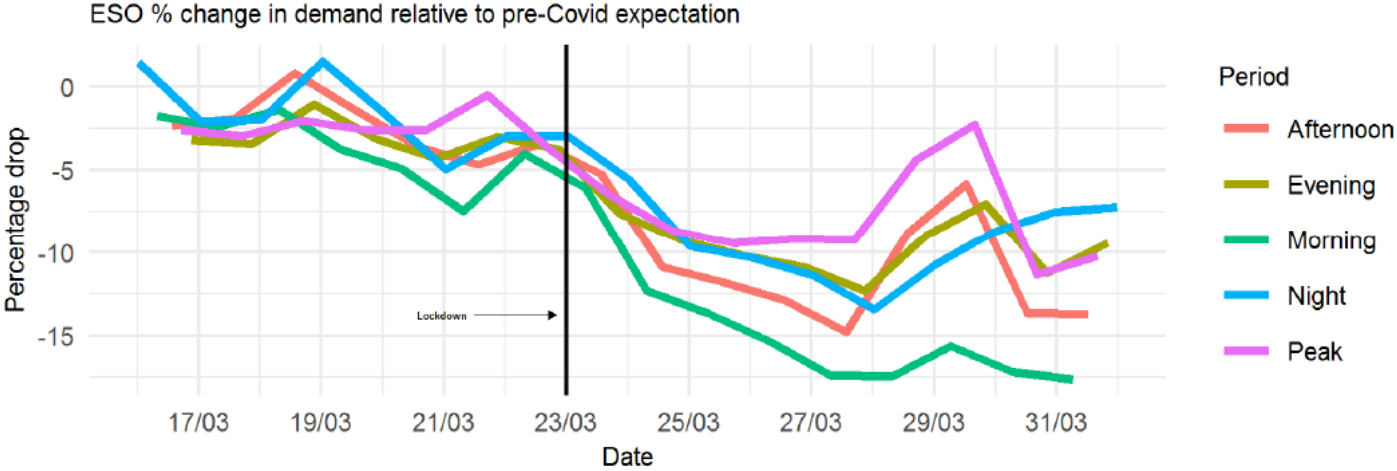
Industry Engagement and Coordination

NGESO is reaching out to our customers and stakeholders across the industry, coordinating continuity planning and sharing best practice:

- This Customer and Stakeholder Webinar is being held weekly to share knowledge and answer industry questions
- National Grid group operate four 24/7 control rooms and we are meeting regularly to coordinate our response to the COVID-19 outbreak
- We are supporting best practice sharing across Network Operators (TOs and DNOs) and coordinating our emergency plans
- We are speaking directly to generators and providers to understand any potential impact on availability or additional issues that they may have
- We are coordinating with BEIS to highlight potential new challenges to operate the system and what may be required to maintain a stable electricity system

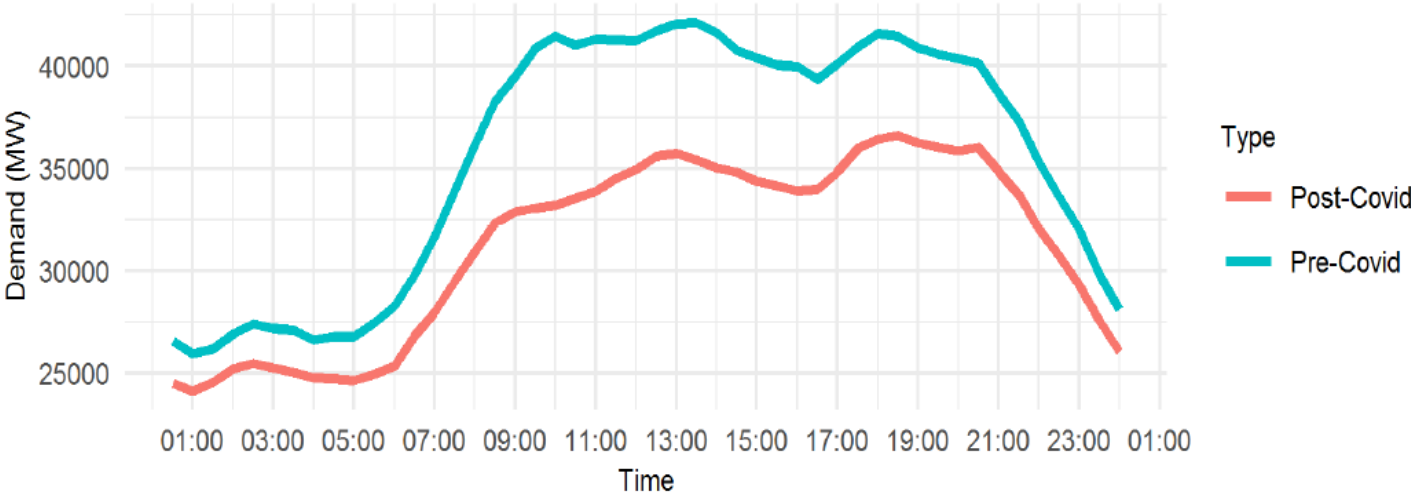
Please reach out if you have queries or concerns.

GB Electricity Demand | Weekly Outturn



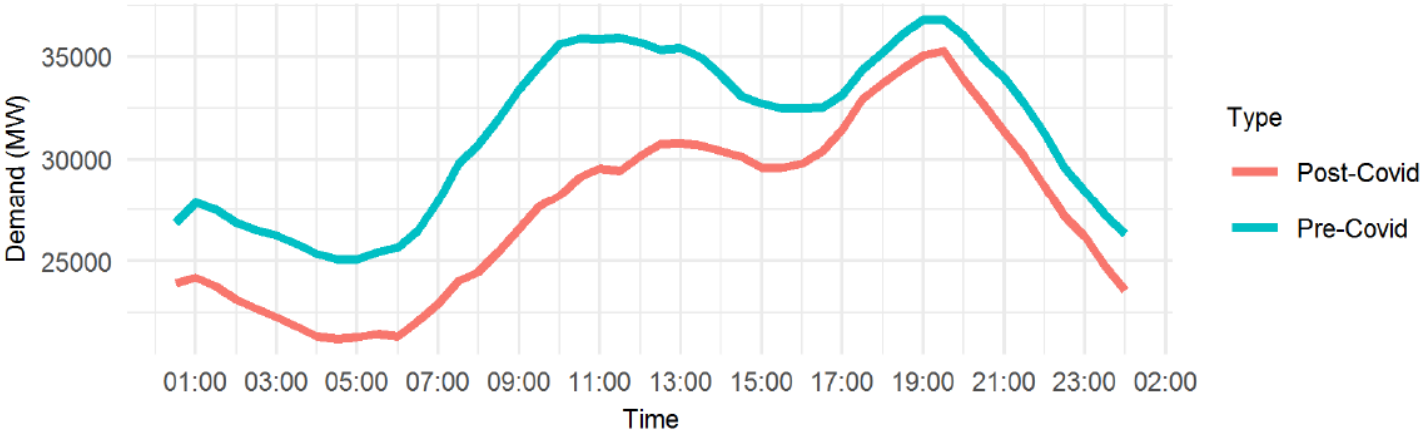
GB Electricity Demand | Tues 31st March Profile

Outturn and estimated pre-Covid demand on Tuesday 31 Mar 2020



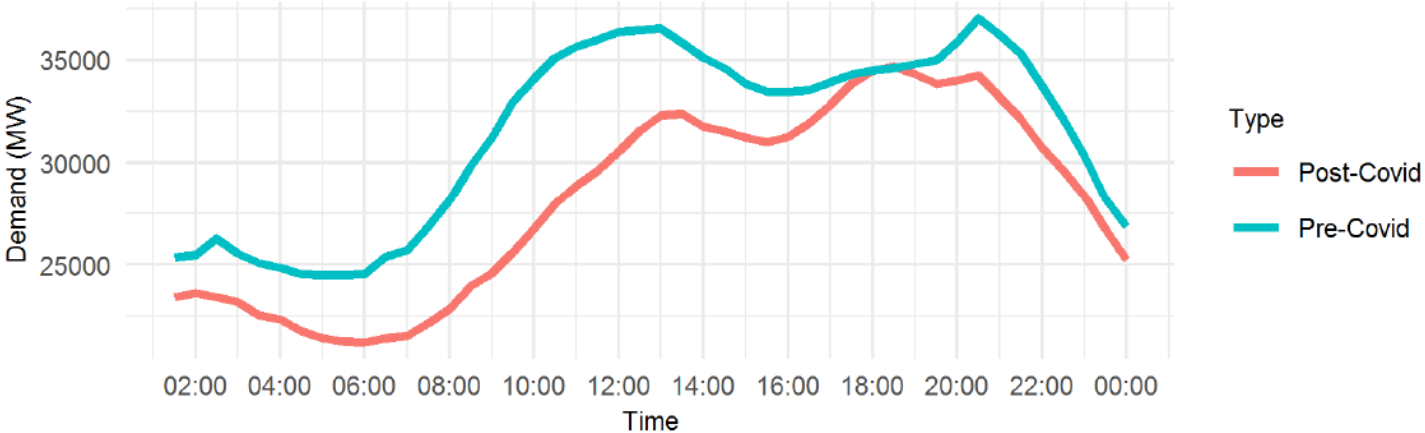
GB Electricity Demand | Sat 28th March Profile

Outturn and estimated pre-Covid demand on Saturday 28 Mar 2020



GB Electricity Demand | Sun 29th March Profile

Outturn and estimated pre-Covid demand on Sunday 29 Mar 2020



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 prioritise outages
- 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
- Continuing to deliver the Accelerated Loss of Mains Programme (ALoMP) is essential to help manage lower demands and lower inertia on the system and we are discussing this with the relevant stakeholders
- 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 will go ahead as planned
- Weekly Frequency Response Auctions will go ahead as planned
- 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.

Prices:

- 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.

Developments

- We are continuing to develop Wind Power Available as per published timescales
- We are continuing to develop TERRE as per published timescales

Outstanding Questions

- Following the changes to STOR and Fast Reserve we are still developing, with the regulator, a way to compliantly procure this service.

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 NGESO

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

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nationalgrideso.com

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