



ESO Coronavirus Preparedness

17th June 2020

nationalgrid**ESO**

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. We may have to take away some questions and provide feedback from our expert colleagues in these areas.

These slides, event recordings and further information about the webinars can be found at the following location:

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

We provided an update on the number of coal free days and other GB electricity system records

This was followed by updates on business continuity, electricity demand and ODFM

Questions from last week:

Sonar - There has been an issue with SONAR which has led to some missing data between 24th May and 8th June. BM start up data is there, but additional GTs are not. The issue is not 100% resolved but we are working on it. Long term looking develop SONAR are utilise data portal - but this is being scoped.

BM costs - IT issues have meant that there has been a delay in publishing these reports to the portal as a manual workaround has been required. May costs should be on the portal today and June is being worked on. A fix to the IT issue is being rolled out.

ACCURATE

TIMELY

FLEXIBLE

nationalgridESO

Protecting Critical Staff to maintain Critical Operations

ESO Recovery Plan

Majority of staff continue to work from home & over the summer

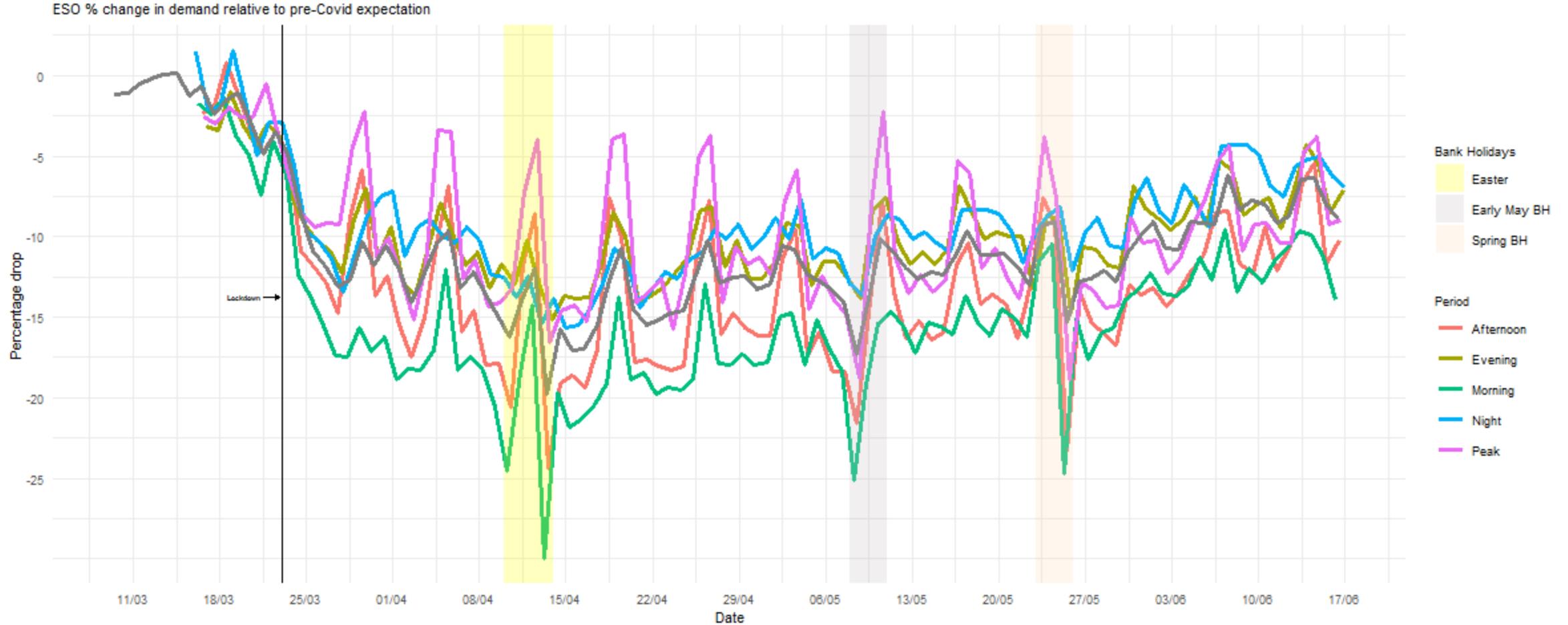
Phased response means re-occupation of offices will be staggered and in line with government working safely guidelines

Critical staff remain protected and this will continue during Recovery

Identified those with business or personal needs to return to the office and working to facilitate this



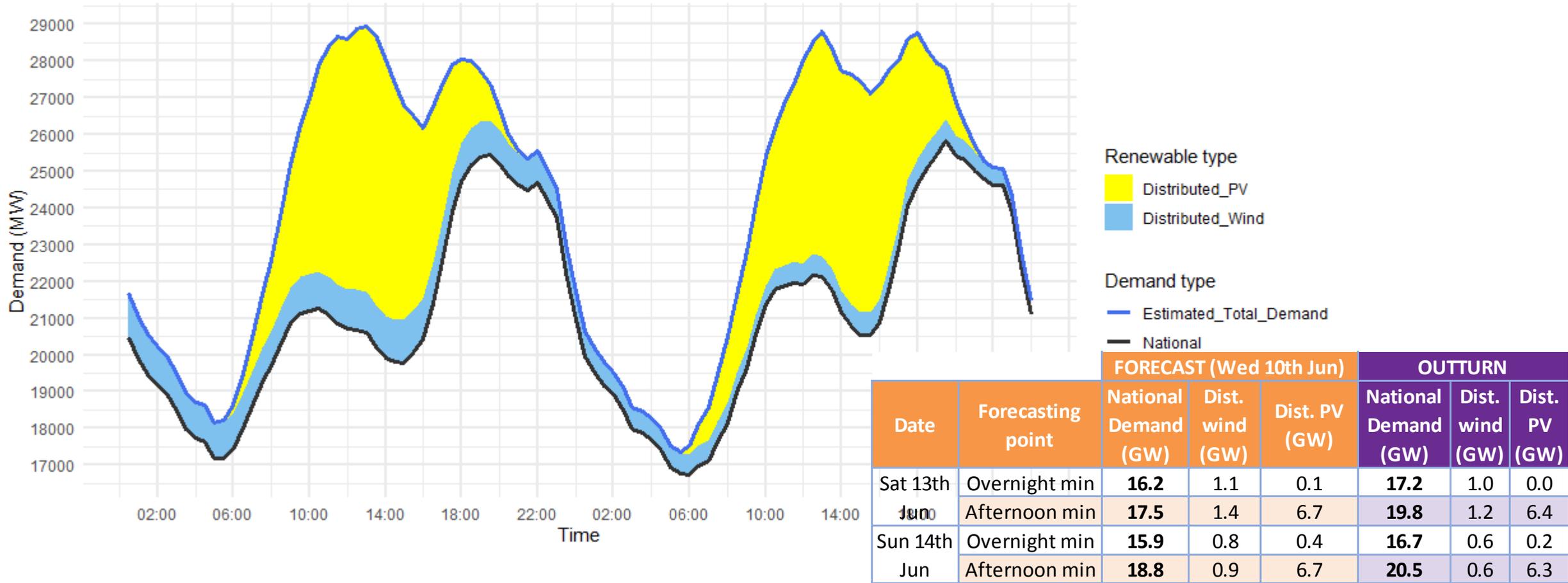
ESO assessment of demand reduction



Latest 7-day rolling average overall drop: 8.6%; week ago it was 9.4%, two weeks ago it was 11.9%

Demand | 13th & 14th June outturn

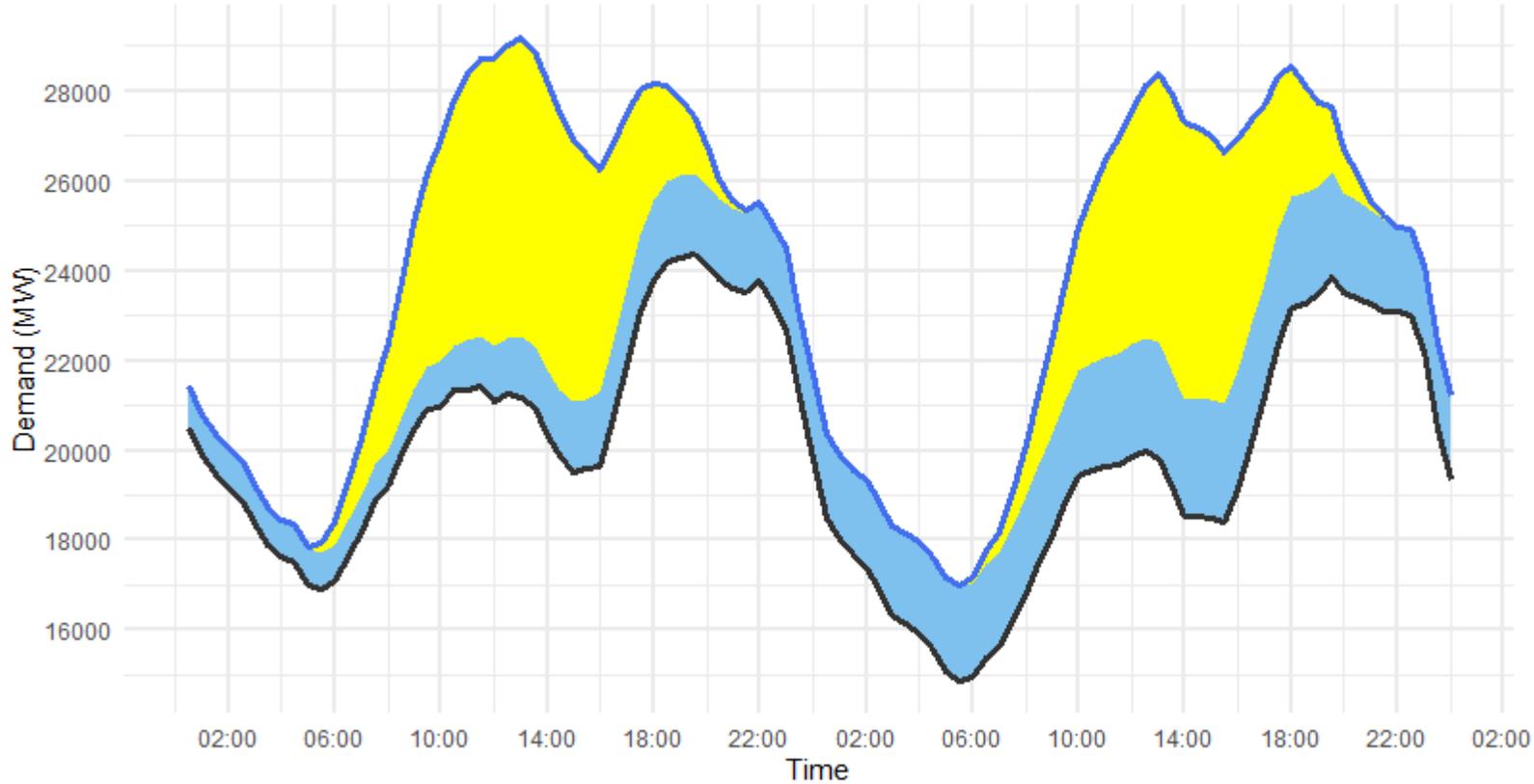
ESO National Demand outturn* 13th & 14th June 2020
 *no ODFM instructed



Demand | 20th & 21st June

ESO Demand forecast 20th & 21st June 2020

based on the current government policies in relation to the pandemic and on the latest weather forecast



Renewable type

- Distributed_PV
- Distributed_Wind

Demand type

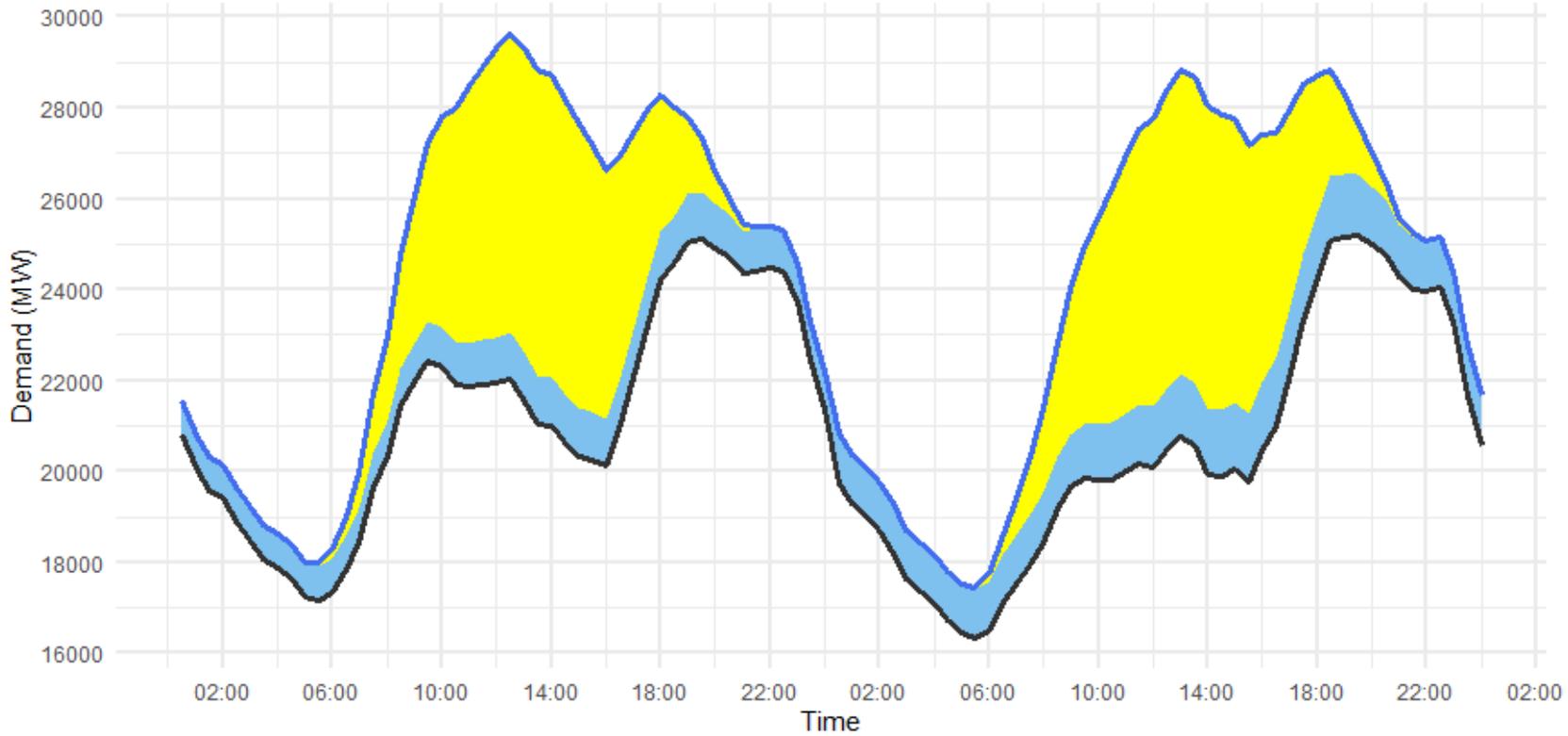
- Estimated_Total_Demand
- National

		FORECAST (Wed 17 Jun)		
Date	Forecasting point	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
Sat 20th Jun	Overnight min	16.9	0.8	0.2
	Afternoon min	19.5	1.6	5.8
Sun 21st Jun	Overnight min	14.9	2.1	0.0
	Afternoon min	18.4	0.9	6.7

Demand | 27th & 28th June

ESO Demand forecast 27th & 28th June 2020

based on the current government policies in relation to the pandemic and on the latest weather forecast



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Balancing Cost Scenarios | Uploaded to Portal on Friday 12th June

In May we published updated BSUoS forecasts reflecting the costs of operating at low demands related to COVID-19. Our May forecast presented a 'pessimistic' view with potential costs increases of ~£500m for the period May to July, compared with the same period last year.

Given continued uncertainty around societal response to COVID19 and therefore levels of demand, we are now providing **3 scenarios setting out balancing cost impacts under a range of demands**. We are also (for the first time) forecasting COVID impacted balancing costs for September.

Scenario 1: 15% demand suppression from pre-COVID-19 levels

- Indicative of cost impacts under a return to full lockdown

Scenario 2: 10% demand suppression from pre-COVID-19 levels

- Indicative of cost impacts under a relaxed lockdown

- Close to currently demand levels

Scenario 3: 5% demand suppression from pre-COVID-19 levels

- Indicative of a return to near-normality with on-going economic impact

Month	Outturn 2019 (£m)	Pre-Covid Forecast Baseline (£m)	15 th May Forecast (15% -20% suppression) (£m)	5% Demand Suppression (£m)	10% Demand Suppression (£m)	15% Demand Suppression (£m)
May	64.4	121.3	166	[163]	[163]	[163]
June	89	103.8	207.7	129.8	147.2	166.5
July	71.7	110.4	214.9	139.7	160.0	183.1
August	108.7	120.2	217.7	160.1	185.3	212.3
Total	333.2	455.7	826.3	592.6	655.5	724.9
Sept		115.1		149.6	165.6	185.8

Accelerated Loss of Mains Change Programme | Update

The Accelerated Loss of Mains Change Programme (ALoMCP) is a project delivered by National Grid Electricity System Operator (NGESO), Distribution Network Operators (DNOs) and Independent Distribution Network Operators (IDNOs) to accelerate compliance with new requirements in the Distribution Code.

Why is the ALoMCP needed?

The aim of the ALoMCP is to reduce the risk of inadvertent tripping and reduce system balancing issues by giving National Grid ESO more latitude with system Rate of Change of Frequency (RoCoF) limits. The programme provides an opportunity for eligible sites to apply for funding to contribute to the cost of changing Loss of Mains protection.

It is a requirement of the Distribution Code that all owners of generation installed prior to February 2018 comply with new setting requirements and have until 31 August 2022 to do so.

How to get involved, Progress and Priorities

The programme is now open for applications within **its fourth application window**.

Guidance and information about the programme, including timescales, can be found on the [registration portal](#). Click to read the [contract terms and conditions](#).

During the first two application windows, 3,194 applications were approved for a capacity of 6,457MW. This equates to £11m in payments to distributed generator owners once the site works have been completed and delivery assurance has been completed. Results of the third application window, which closed 12 May will be published in early July.

Stability Pathfinder Phase 2 RFI

- We have published a Request for Information (RFI) on Stability Pathfinder Phase 2.
- This is our next step in finding new ways of keeping the grid stable and focuses on our long-term requirements in Scotland.
- This RFI invites feedback on the proposed process and timelines for Stability Pathfinder Phase 2. We would especially like to understand how we can accommodate the impact of Covid-19 to maximise participation.
- The RFI and associated documents can be found [here](#) . The deadline for responses is the **15th July 2020** and these can be sent to box.networkdevelopment.roadmap@nationalgrideso.com.
- We will hold a webinar on 25th June 2020 and you can register to join the webinar here: <https://www.eventbrite.co.uk/e/stability-pathfinder-phase-2-rfi-webinar-tickets-109933341584> .

Sizewell contract extension

The contract will continue until at least 10th August, we believe this is in the best interests of consumers.

- Reduced output from Sizewell B will continue to give vital additional options to our control room engineers as they manage the stability of the electricity system.
- While the contract is commercially sensitive, it is appropriate that we provide some reassurance on costs.
 - For the period 7th May – 19th June the contract has cost in the range of £17 - £23m.
 - For the period from 19th June – 10th August, we forecast it will cost in the range £17 - £23m dependent on outturn market prices.
- During the period to 10th August we may bring the station back online for a short period of time to meet maintenance requirements. We will provide a further update if we do decide to take this course of action.

Further Transparency Information

BM instructions appear on Elexon’s website two mins after acceptance. A formal ‘issue’ exists within the Elexon workgroups where N-BM STOR instructions are only visible 10 mins post the end of the SP. PAS (Platform for Ancillary Services) are creating an interface to send real time dispatches and ceases to the ESO portal. This is planned to go live 25th June.

Table which will be published for STOR:

Published at the time of Dispatch					Published at the time of Cease		
Entry ID	ServiceType	InstructionStart DateTime	MW	IndicativePrice	Dispatched Published DateTime	InstructionCease DateTime	Cease Published DateTime
Unique Identifier	NBM STOR	Time for instruction starts to ramp up	Dispatched MW	Price at which it starts to ramp up	Time to publish on the portal	Time for instruction ends ramping down	Time to publish on the portal

Although the BSC mod does not require us to include Fast Reserve (FR), we are considering including it. Please provide feedback on this proposal to: commercial.operations@nationalgrideso.com

For further information, please see this link [here](#) (go live 25th June)

Q&A

After the webinar, you will receive a link to a survey. We welcome feedback to understand what we are doing well and how we can improve the event ongoing.

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

