



ESO Operational Transparency Forum

9th September 2020

nationalgrid**ESO**

Introduction

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:

<https://data.nationalgrideso.com/plans-reports-analysis/covid-19-preparedness-materials>

Reminder:

Dynamic Containment (DC) Consultation – all documentation and service terms are available on our website and the consultation is open:

<https://www.nationalgrideso.com/industry-information/balancing-services/frequency-response-services/dynamic-containment>

Key topics for this week:

Questions from last week

Business continuity

Demand review and outlook

GC0105

TERRE Update

Questions from last week

Q: Any Update on TERRE

A: Update this week

Q: It was agreed to communicate GC0105 System Incident Reports.

A: High level update this week – more detailed next week

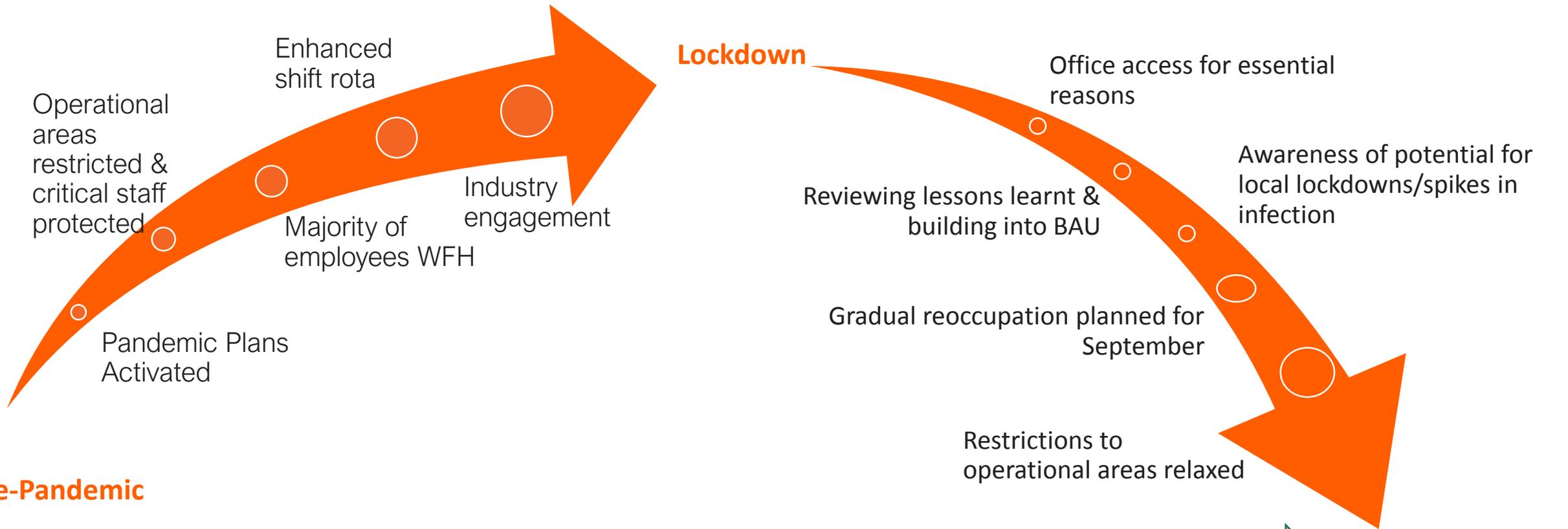
Q: On LoLP is it worth postponing the 12 O'clock day ahead publication until after the interconnectors are scheduled so we don't get numbers that panic the mark

A: We can't postpone the publication as the timings are defined in the LoLP calculation statement (<https://www.elexon.co.uk/documents/bsc-codes/lolp/loss-of-load-probability-calculation-statement/>) however, we are in discussions with Elexon concerning a review of the statement which we expect to address this issue, Elexon are looking to set up an issue group to help progress in the next couple of months

<https://www.elexon.co.uk/documents/groups/isg/2020-meetings/228-april/isg228-03-lolp-calculation-statement-review-and-value-of-loss-load-update/>

https://www.elexon.co.uk/wp-content/uploads/2017/09/34_278_11_Delegation-of-Loss-of-Load-Probability-Review-to-ISG-v1.0.pdf

Protecting Critical Staff to maintain Critical Operations

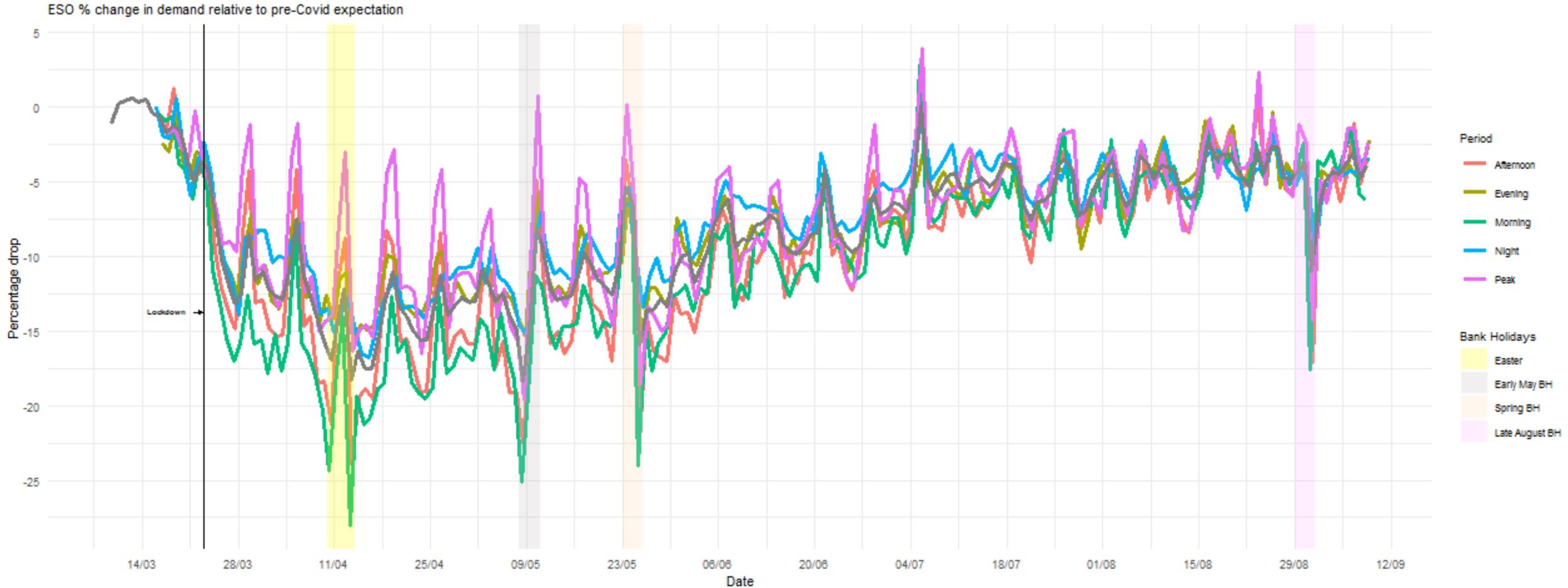


Pre-Pandemic

Identify & respond to system operability challenges

Post-Pandemic

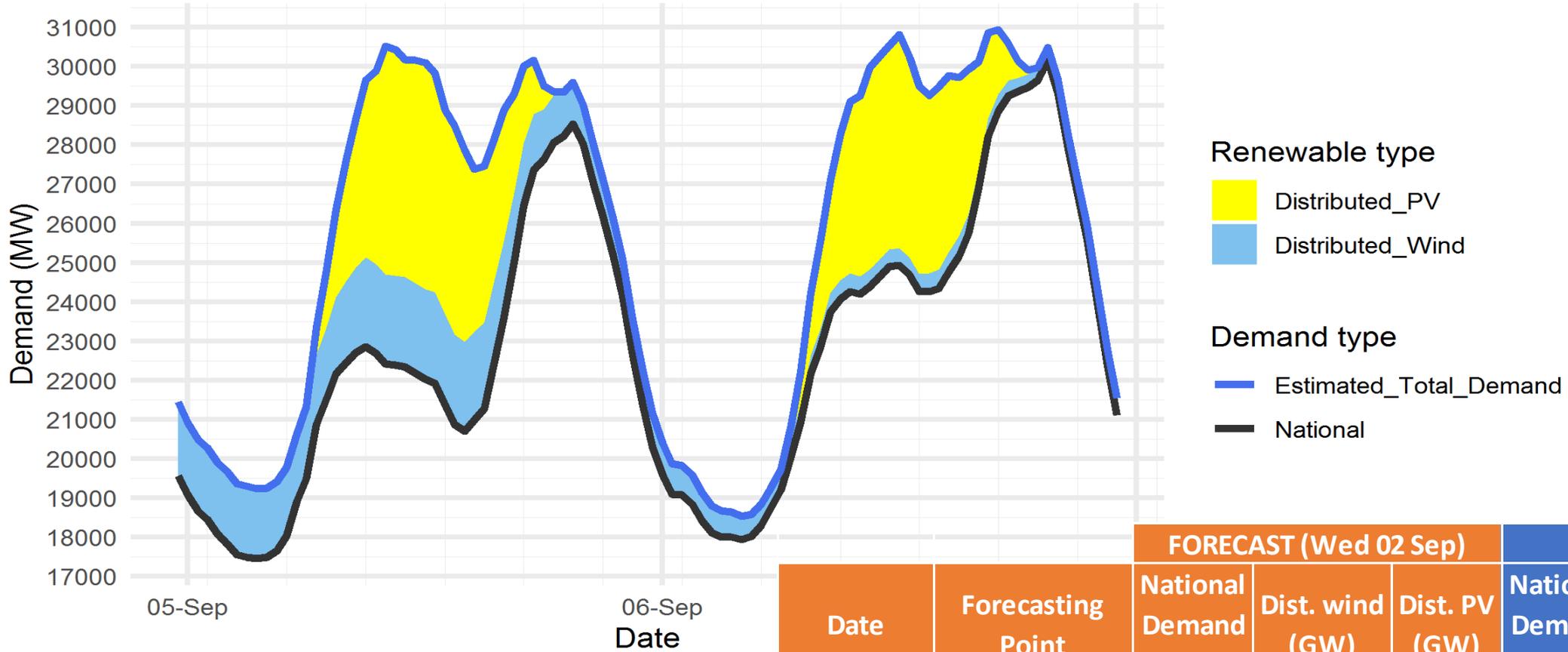
Demand | Latest demand suppression assessment



- Estimated overall demand drop over last 7 days of 4.2% compared to what we would expect to see had there was no Covid-19 impact

Demand | Last Weekend Outturn

ESO National Demand outturn 05-06 September 2020

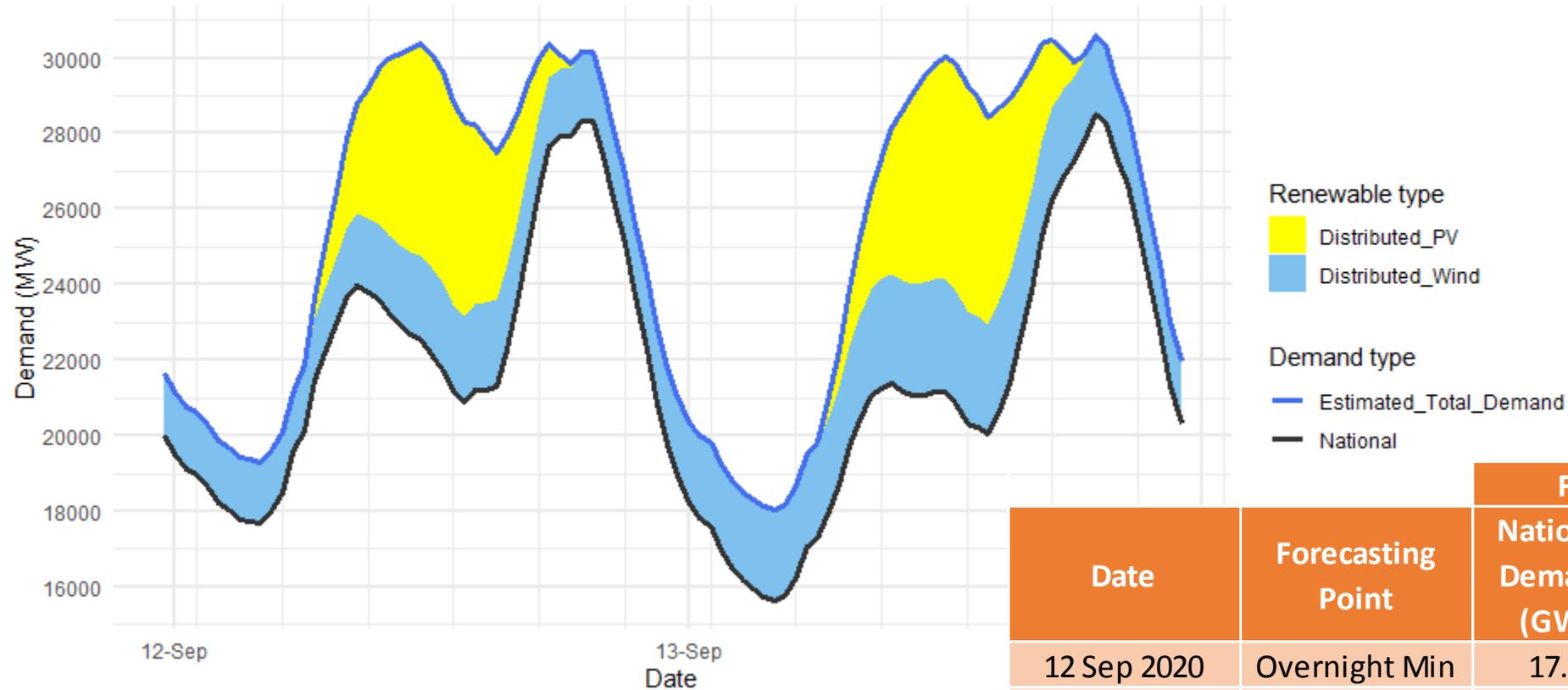


Date	Forecasting Point	FORECAST (Wed 02 Sep)			OUTTURN		
		National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
05 Sep 2020	Overnight Min	17.3	1.6	0.0	17.4	1.8	0.0
05 Sep 2020	Afternoon Min	20.9	2.0	5.0	20.7	2.3	4.9
06 Sep 2020	Overnight Min	17.2	0.9	0.0	17.9	0.6	0.0
06 Sep 2020	Afternoon Min	23.0	0.9	4.6	24.3	0.5	4.5

Demand | Weekend of 12th & 13th September

ESO Demand forecast for 12-13 September 2020

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



Date	Forecasting Point	FORECAST (Wed 09 Sep)		
		National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
12 Sep 2020	Overnight Min	17.7	1.6	0.0
12 Sep 2020	Afternoon Min	20.9	2.3	5.1
13 Sep 2020	Overnight Min	15.6	2.4	0.0
13 Sep 2020	Afternoon Min	20.0	2.9	5.5

ESO Actions Weekend minimum | Saturday morning

Date: 05/09/2020
 SP: 10



CCGT & BIOMASS



I/C



WIND



Transparency | ALoMCP

Did you know there's a fast track loss of mains change programme?

Embedded generation with RoCoF settings up to & including 0.2Hz/s can receive £5,000 per site for changing their settings within 4 weeks



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@ng_eso

Phase **5** of our Accelerated #LossofMains programme (ALoMCP) is live!

If you're a qualifying generation site owner you can apply for funding to change your protection settings required in EREC G59.

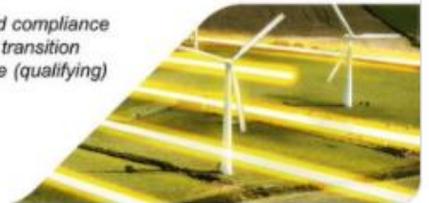


ena-eng.org/ALoMCP/

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"Aside from informing generator owners of impending grid compliance changes, the ALoMCP has proved to be a well organised transition scheme irrespective of the scale of generator. I encourage (qualifying) generation owners to take advantage while they can!!"

Luke Andre, Director, Infer Energy Ltd



9:05 AM · Aug 28, 2020 · [Twitter Web App](#)

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Transparency | System Incident Reporting

Under Grid Code modification GC0105, NGENSO must publish System Incident data on a monthly basis and share this with Network Operators.

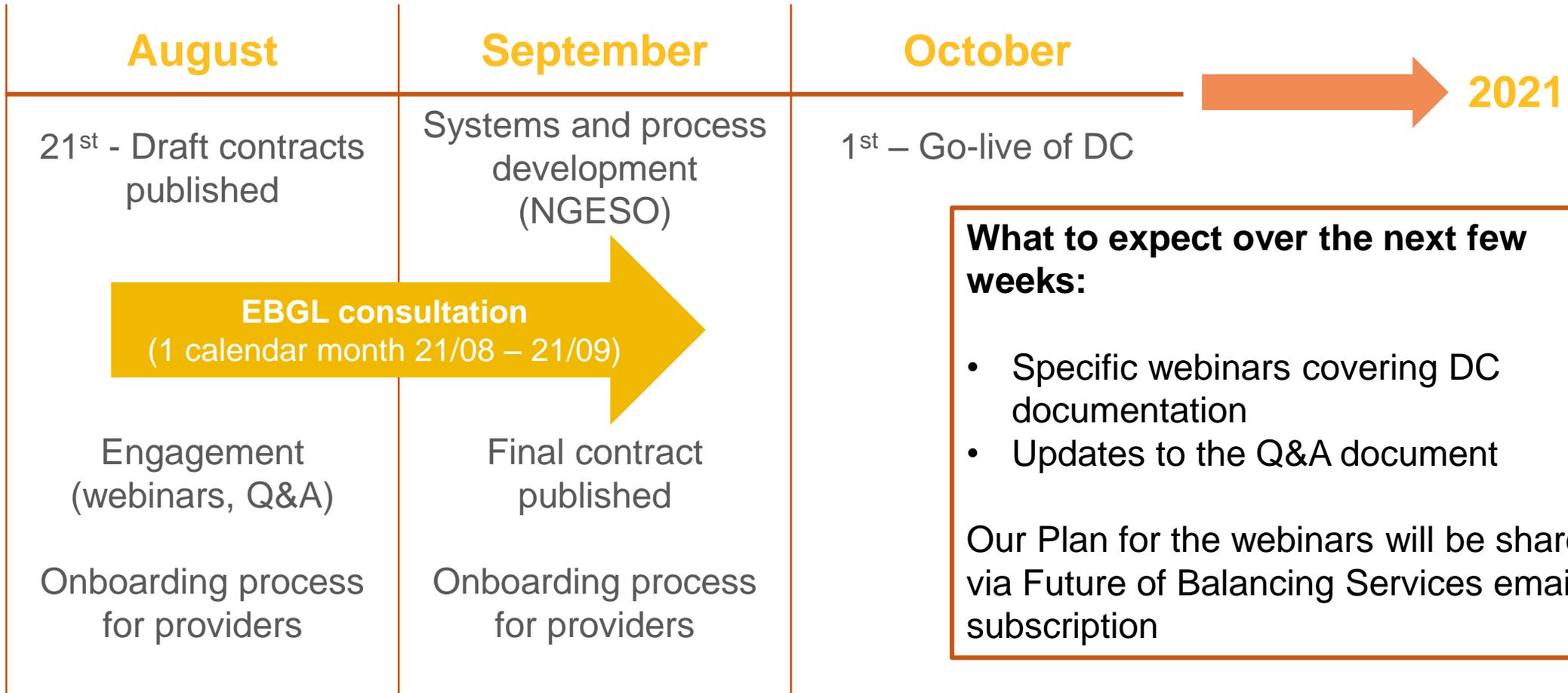
We have created a website to publish these monthly reports:

<https://www.nationalgrideso.com/industry-information/industry-data-and-reports/system-incidents-report>

We will also be emailing the report to the Grid Code Panel distribution list

Transparency | Dynamic Containment

Delivery plan



Any questions? Please contact your account manager
or email: box.futureofbalancingservices@nationalgrideso.com

Transparency | TERRE delay

(Trans-European Reserve Replacement Exchange)

1. GB withdrawal from EU

- 'Third country' outside the Single Market from 1 Jan
- Unable to participate on EU platforms
- Can still trade via interconnectors
- Need free trade agreement on energy

2. Internal delays

- COVID-19 Impact.
- Changes & maintenance to core systems
- Impact on subsequent releases for 2020
- API for wider access to BM rescheduled for September (17th)

3. Interconnector limitations

- IFA & IFA2 - NGV and RTE in France prefer delay until legal position is clearer
- RTE cannot use IFA this winter for Balancing Inter-TSO mechanism simultaneously with RR
- ElecLink delay to 2022

Our current position:

- Obligations unchanged
- Committed to the project and Libra
- New source of reserve
- Potential saving of €17m pa for GB consumers
- Development & testing continues

2019

Postponements

2020

2021

Original obligation Dec |

Derrogation to Jun | Regulatory flex Oct |

Go-Live TBC

Transparency | Ofgem Open Letter

Ofgem on 17 August 2020 published an Open letter - [here](#)

"The GB electricity system has seen an increase in balancing costs this spring and summer 2020, coinciding with the onset of the COVID-19 pandemic. Specifically, the period from March to July 2020 has seen balancing costs of £718 million, which is 39% higher than the ESO expected costs would look like in this period. These costs increased at the same time as nationwide lockdowns changed consumer electricity consumption behaviour and reduced industrial activity. Moreover, some of this period saw high level of renewables output, which required the ESO to take a large number of actions to balance the system and ensure system operability.

This letter sets out our intention to evaluate the high balancing costs on the GB electricity system this spring and summer and identify lessons that need to be explored further in order to reduce costs to consumers going forward. This letter also describes how we intend to engage with stakeholders in this process."

Three main areas of focus

1. Long term preparedness
2. Crisis management and response
3. Lessons for the future

Ofgem will be seeking evidence from the ESO during August before running virtual round tables in early September before finishing the review in October.

To participate please review the letter and contact Ofgem on esoperformance@ofgem.gov.uk

Summer ESO Actions

People

- Focused on keeping our people safe to ensure that uninterrupted power system operation can continue

Transparency

- We have engaged industry across these webinars and other webinars with DNOs and TOs
- Providing information on;
 - Demands
 - Operability Challenges
 - Changes to projects
 - All of which you have told us has supported your decision making during this period
- Provided updated BSUoS Forecasts to support industry in understanding the complexity and increased costs over the summer

Actions

- Identified through robust analysis the operability challenges of suppressed demands over the summer
- Highlighted the requirements for increased flexibility and sought from industry parties through Super-SEL contracts
- Developed and launched a new product – ODFM which has enabled over 4GW of new entrants to the market to support the most critical points
- Ensured continued flexibility with a contract with EdF to reduce the output of Sizewell
- Provide code clarity in relation to last resort Emergency Instructions through the Grid Code Modification GC00143
- Supported CUSC change CMP350 to defer up to £100m of costs from 20/21 to 21/22
- Continued to progress ESO forward plan commitments.

Review

- Supporting Ofgem in their review of the Spring/Summer of 2020

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@nationalgrideso.com

