

# Market Operator User Group

Dublin, 26 August 2020

# Agenda

Item	Presenter
<b>Welcome</b>	<b>Claire Kane, John Ging</b>
Release Program Update	Jude Nugent
Ex-Ante Markets	Liam McAllister, Michael Atcheson
Repricing Update	Michael Atcheson
Settlements Update	Sean O'Rourke
SO insights since the last MOUG	Rory Cafferky
Front Office Update	Claire Breslin
Q&A	

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# Release F Update (October 2020)

## Scope

Central Market System Release F			
#	CR Ref	Mod Ref	Description
1	CR120	Mod_10_19	Exclusion of Dispatchable Priority Dispatch Unit Prices from Pricing
2	CR091	Mod_19_19	Setting System Operator Flags to zero for the purposes of Settlement
3	CR092	Mod_21_19	Application of Loss Factors for Interconnectors in Settlement
4	CR128	Mod_17_19	Mod_17_19 DSU State Aid Compliance Interim Approach

- Development complete ✓
- Factory Acceptance Test Complete ✓
- System Test Commenced ✓

### Next Step

- Finish Testing and deploy

### Overall Status



# Release G Update (April 2021)

## Scope

Central Market Systems Release G (April 2021) - Approved DMG (June 23rd 2020); Programme Board (June 26th 2020)				
#	CR Ref	Mod Ref	Description	DMG Priority
1	CR-158	N/A	Repricing and relationship with Instruction Profiling	1
2	CR-129	22_19	Correction of QUNDELOTOL calculations to convert TOLUG and TOLOG to MWh	2
3	CR-072	08_19	Clarification to Intraday Quantity and Payment	3
4	CR-119	20_19	Changing Day Ahead Difference Quantity to Day Ahead Trade Quantity Within Day Charge Calculation	4
5	CR-081**	03_19	Amendment of conditions in which the Market Backup Price is used	5

\*\*Subject to Vendor Capacity confirmation

- Scoping phase advanced ✓
- Next Step**
- Coding and confirmation around 03\_19

## Overall Status



# Agenda

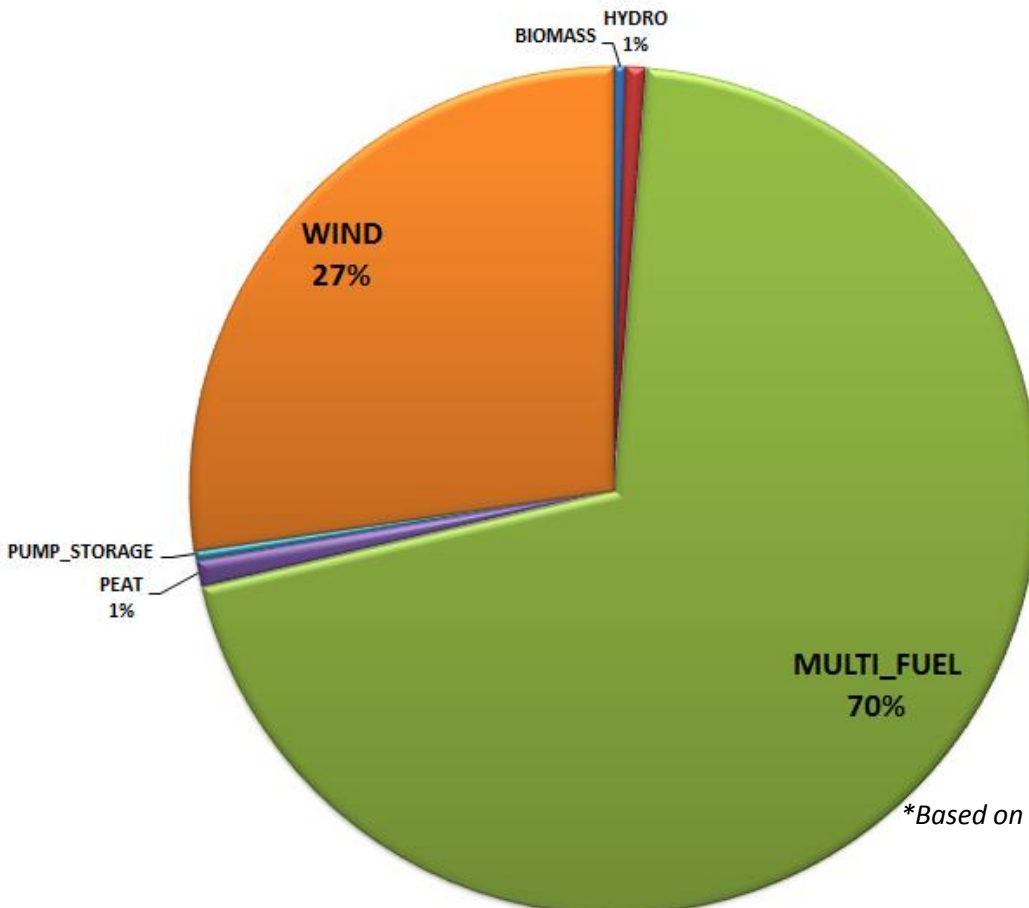
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# Ex-Ante Markets

- Volumes and Fuel Mix June-July 2020

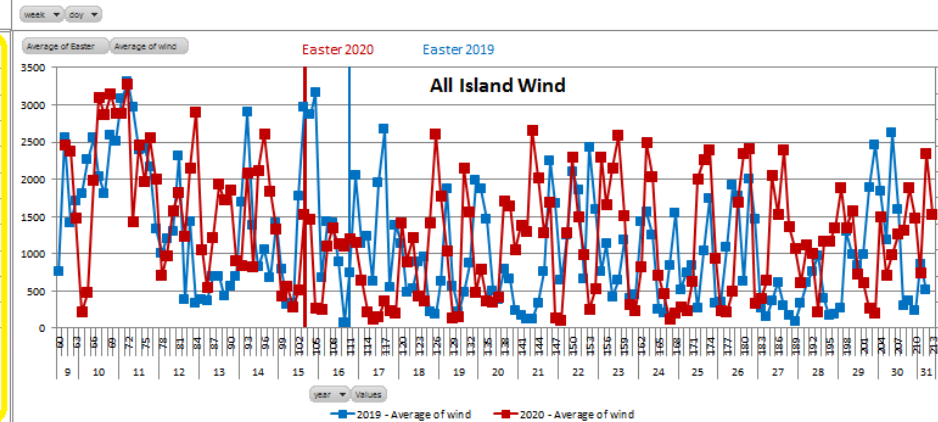
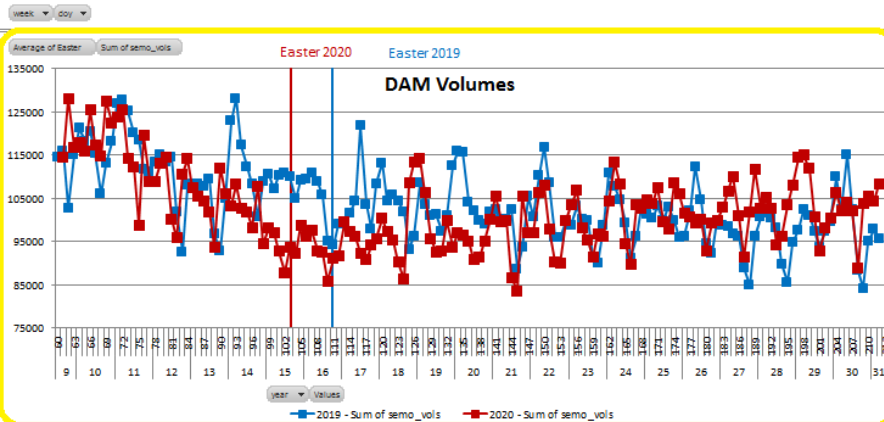
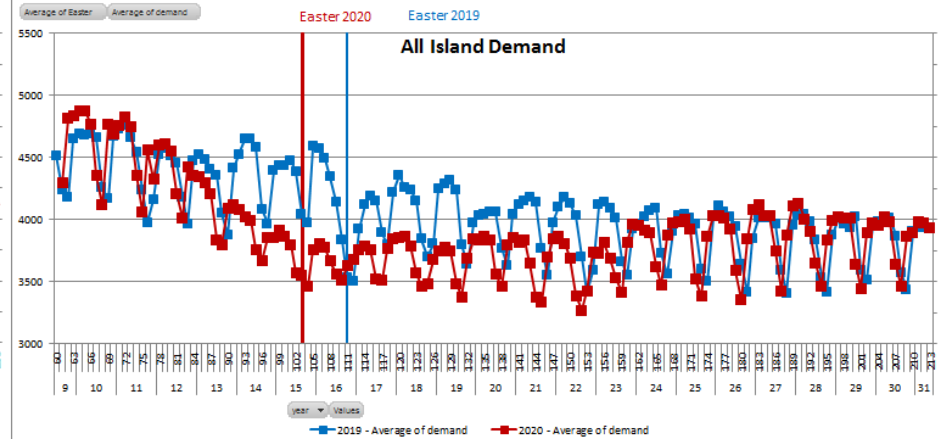
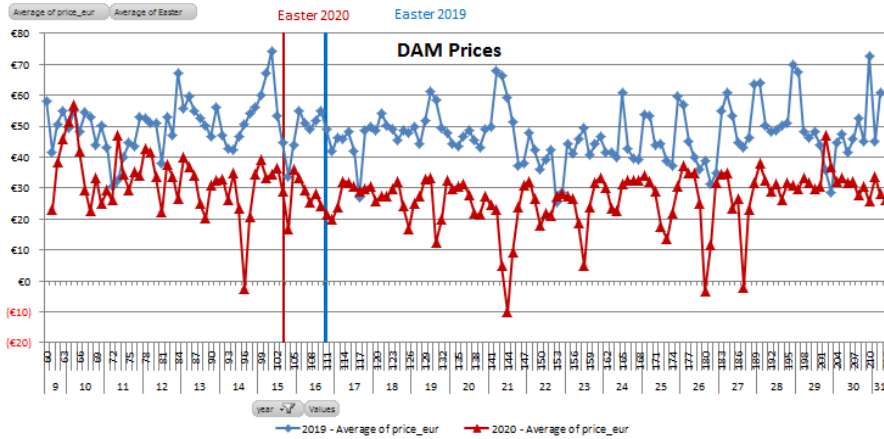
*\*Using approx. prices and fuel type breakdowns*

	Value	% of DAM
DAM	€179,212,204	
IDA1	€21,744,701	12.13%
IDA2	€8,775,805	4.90%
IDA3	€2,602,843	1.45%
IDC	€220,705	0.12%



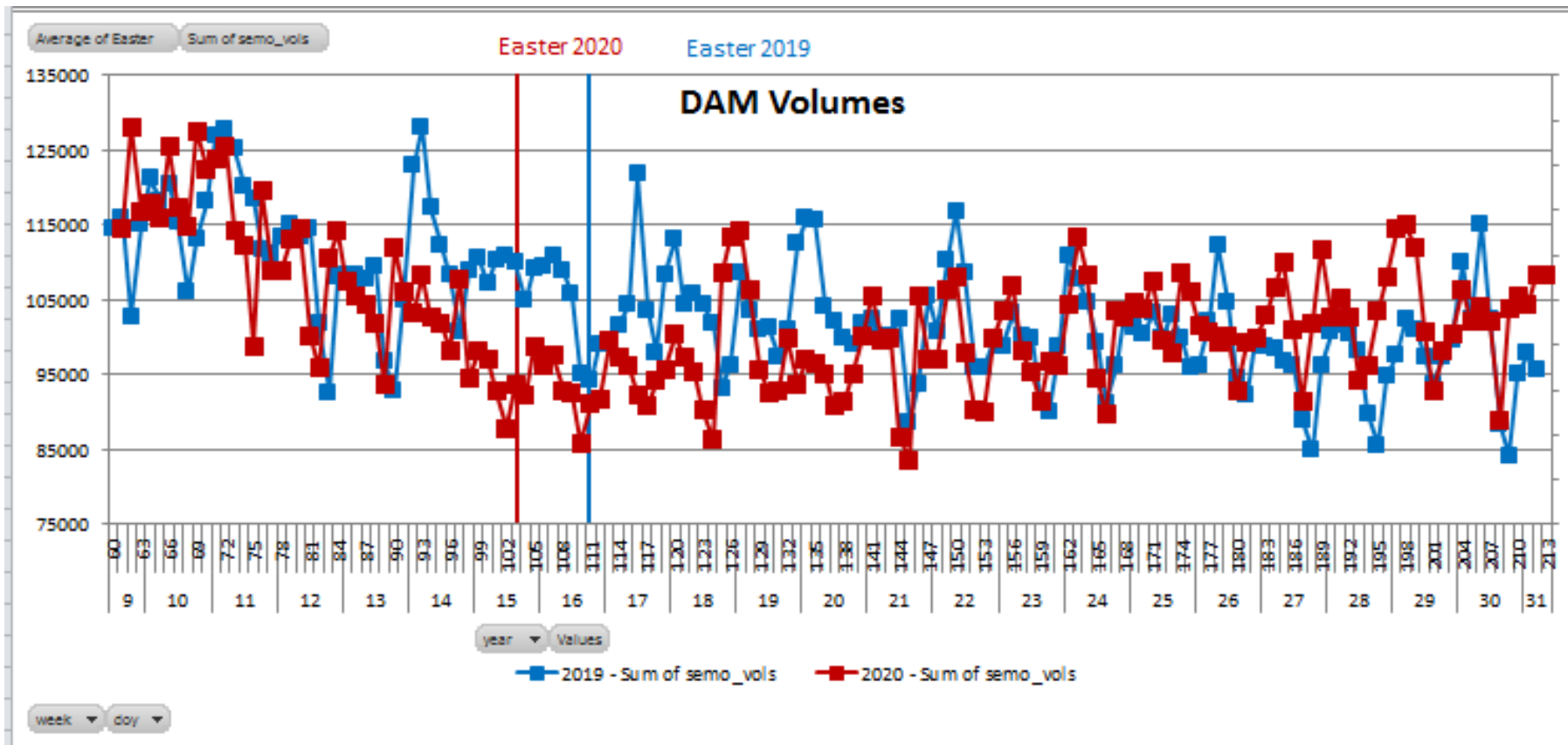
*\*Based on Generator DAM sell's by Fuel Type*

# Ex-Ante Markets Reaction to COVID-19

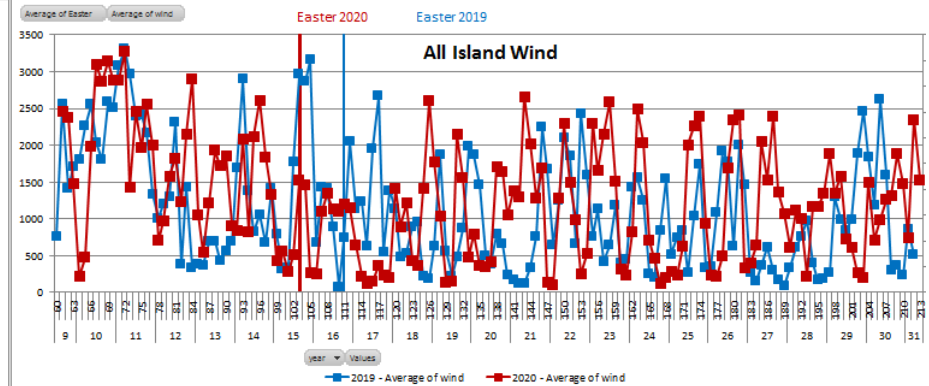
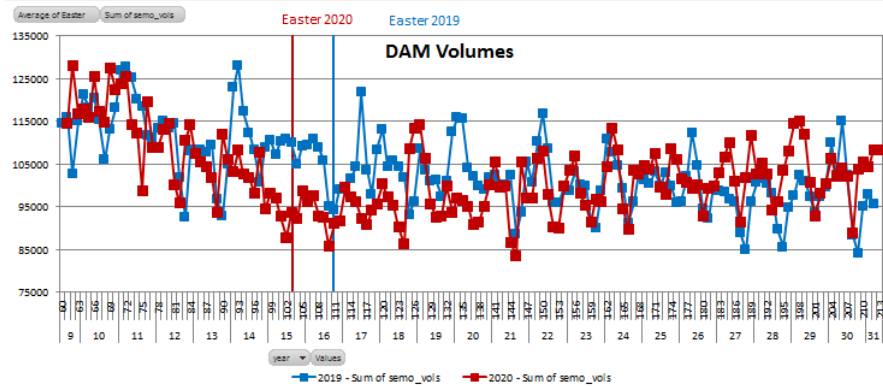
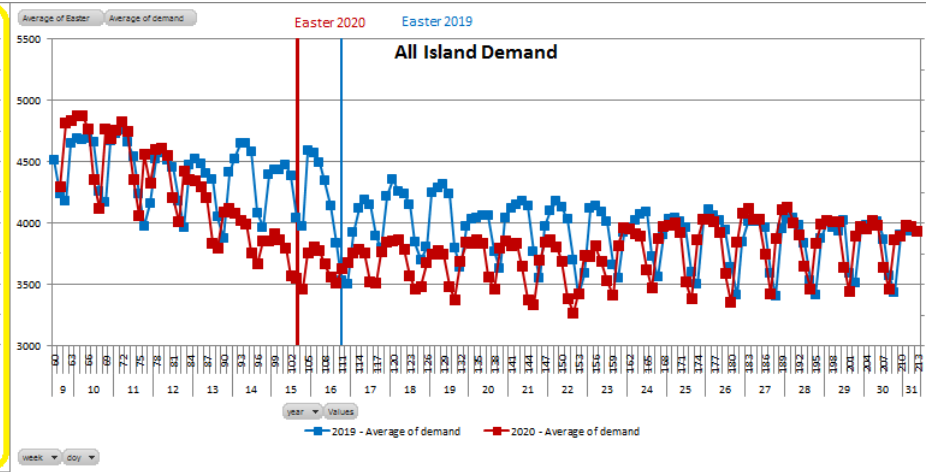
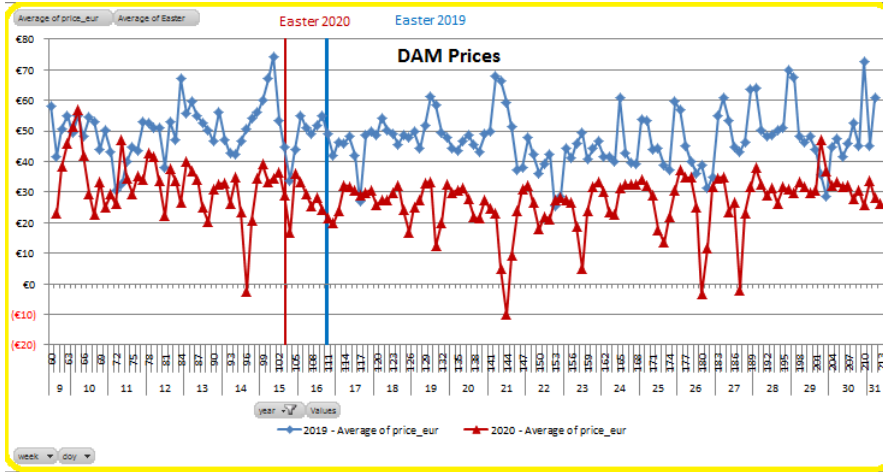




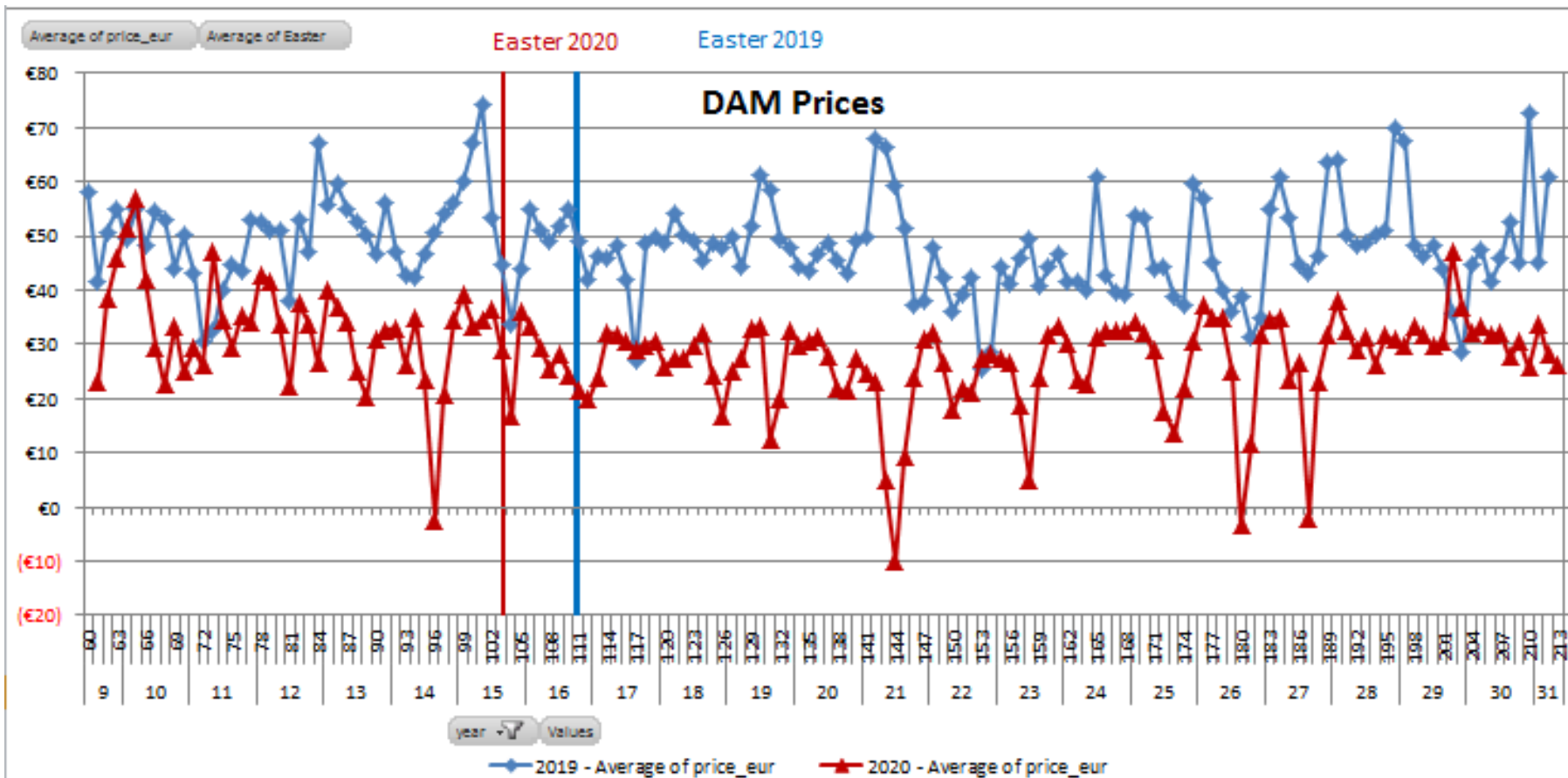
# Ex-Ante Volume, Demand, Wind, Prices 2020 versus 2019



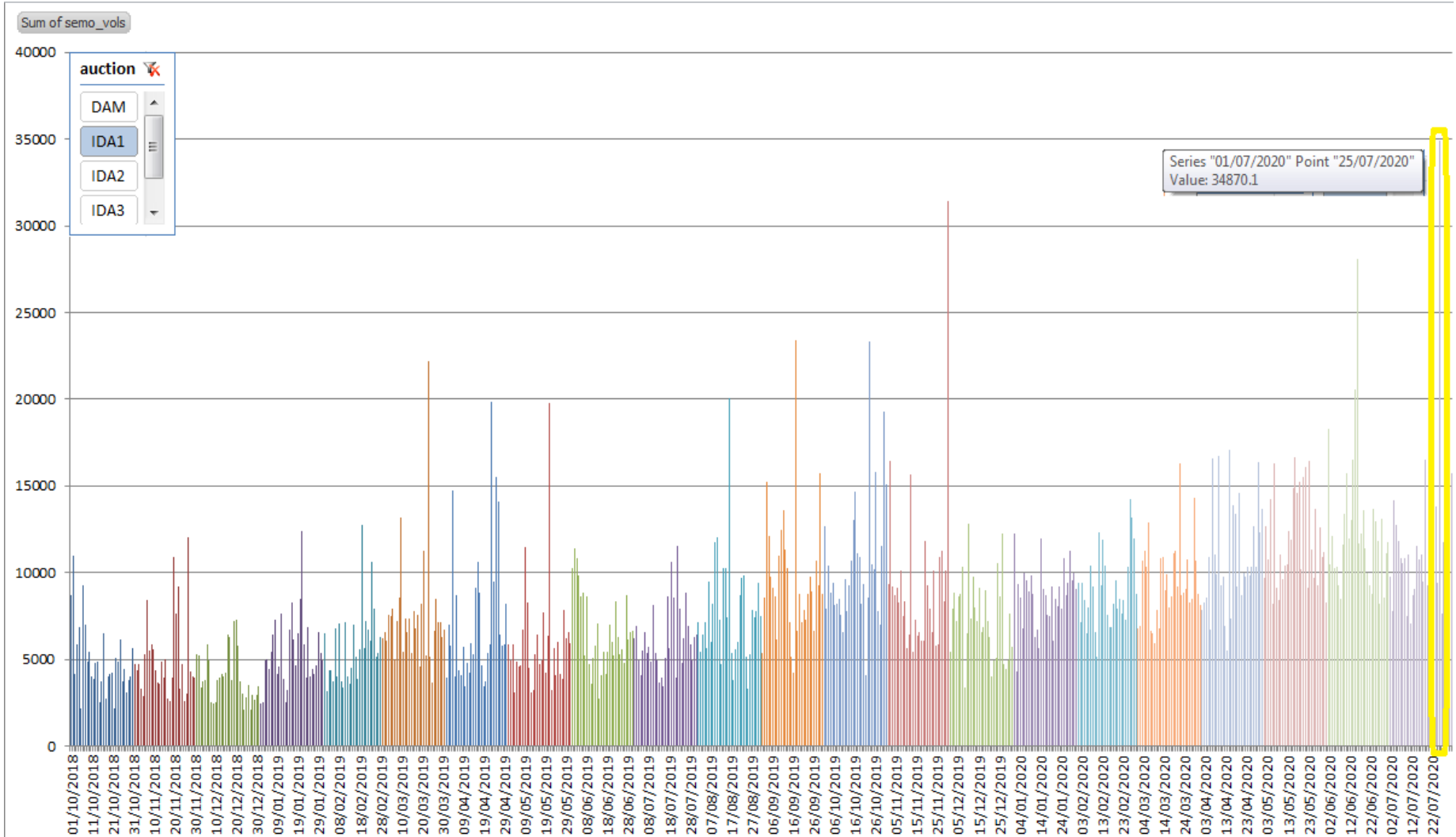
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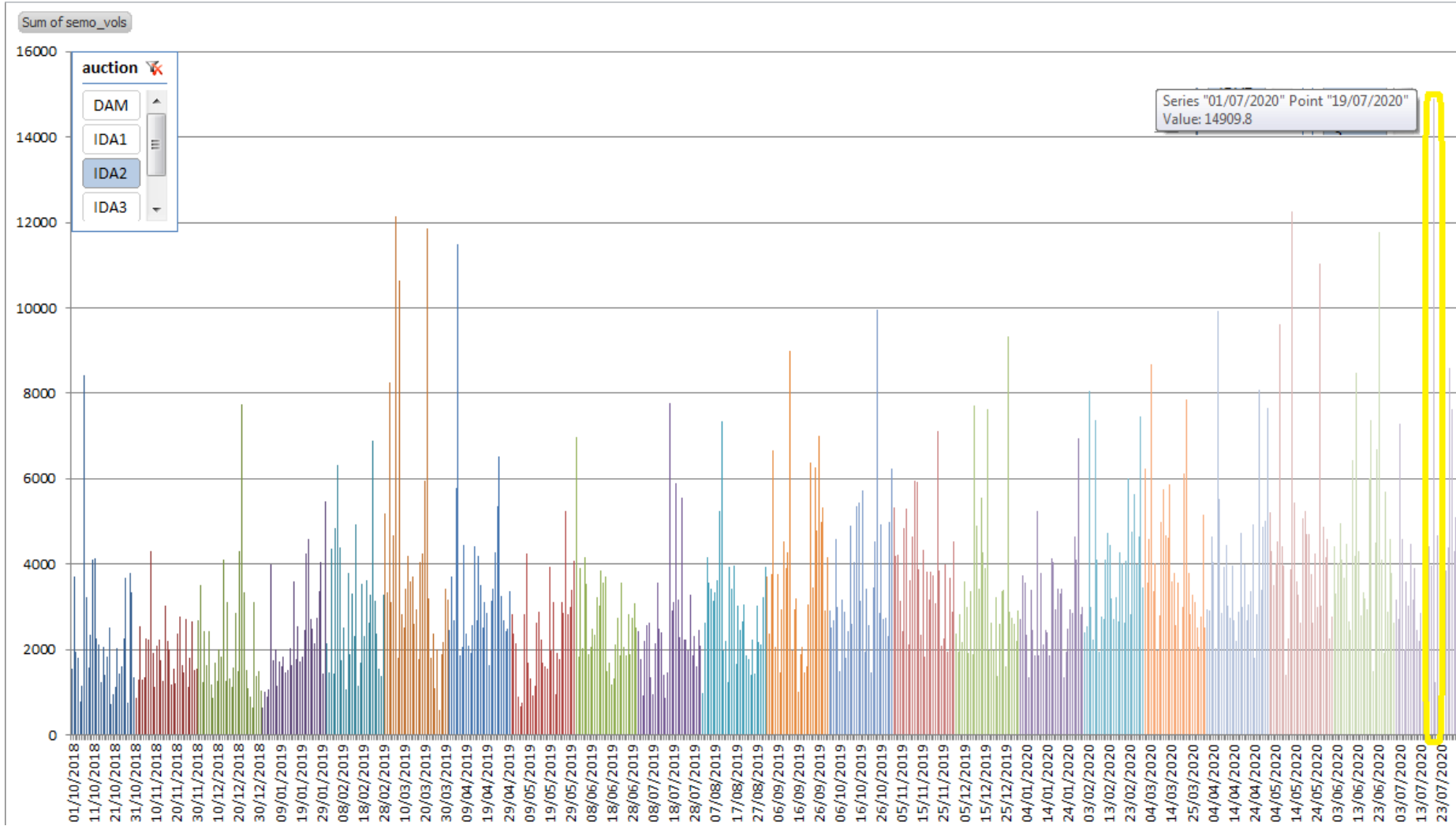
# Ex-Ante Volume, Demand, Wind, Prices 2020 versus 2019



# Record Volume Day IDA1 - 25<sup>th</sup> July



# Record Volume Day IDA2 - 19<sup>th</sup> July



# Ex-Ante Day Ahead & Intra-day Market Analysis

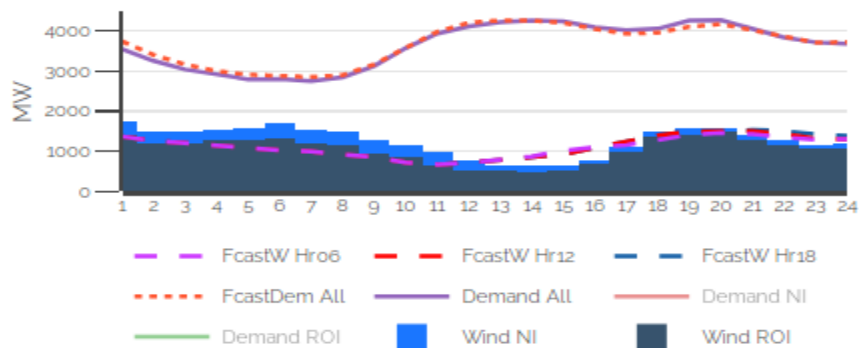
## Auction Summary

2020-07-25 ▾

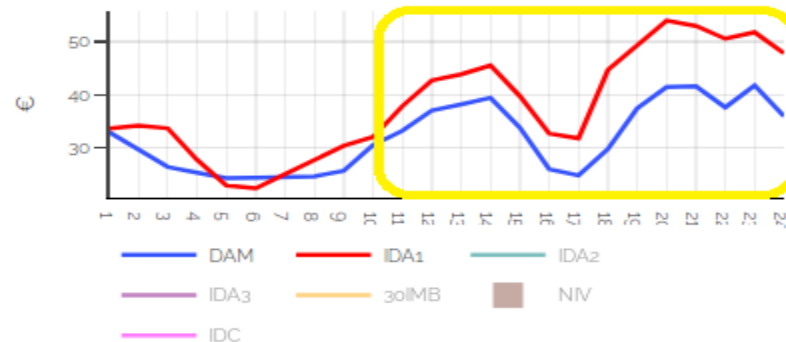
## Auction Stats [ Hi | Lo | Avg | MWh | € ]

2020-07-25	DAM	€41.78	€24.39	€32.00	102,036	€3,264,651
2020-07-25	IDA1	€54.69	€21.95	€38.16	34,870	€1,330,788
2020-07-25	IDA2	€49.44	€26.63	€41.26	3,862	€159,327
2020-07-25	IDA3	€58.42	€41.09	€49.30	831	€40,962

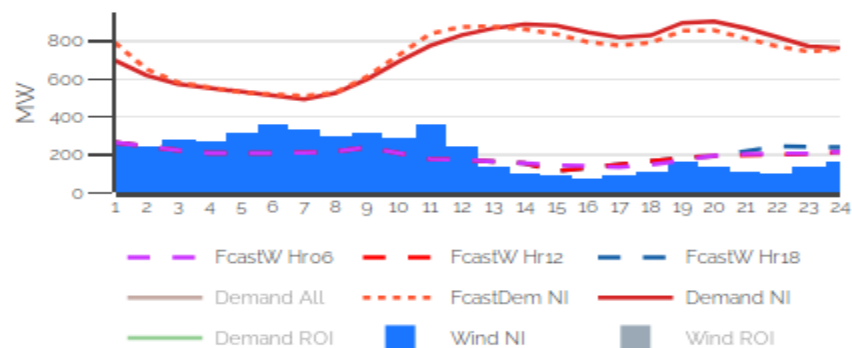
## Forecast, Actual Wind v Demand - All Island



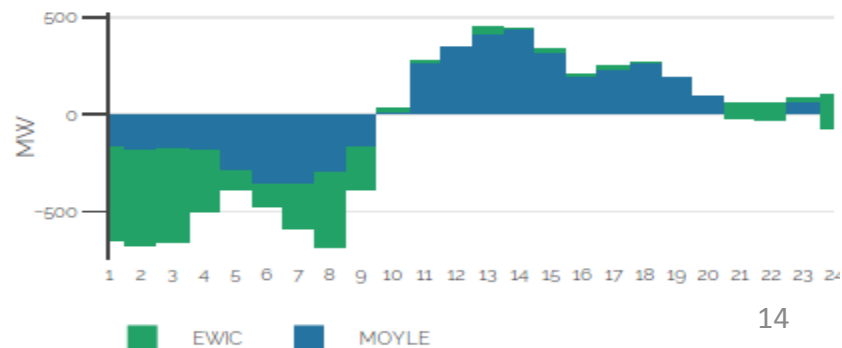
## Auction Pricing



## Forecast, Actual Wind v Demand - N.I.



## Interconnector Flows



# Ex-Ante Day Ahead & Intra-day Market Analysis

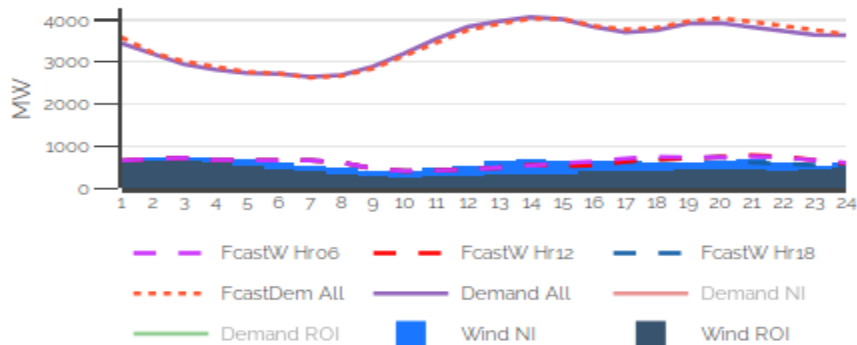
## Auction Summary

2020-07-19

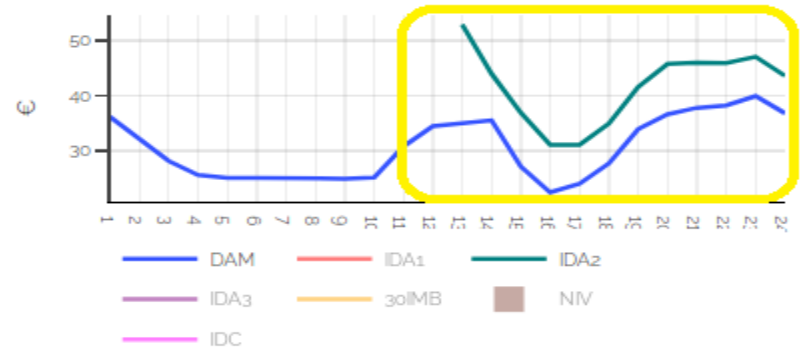
## Auction Stats [ Hi | Lo | Avg | MWh | € ]

2020-07-19	DAM	€39.90	€22.43	€30.49	92,859	€2,831,631
2020-07-19	IDA1	€41.00	€21.97	€32.53	9,246	€300,809
2020-07-19	IDA2	€61.00	€30.48	€41.71	14,910	€621,944
2020-07-19	IDA3	€35.00	€23.10	€32.43	728	€23,615

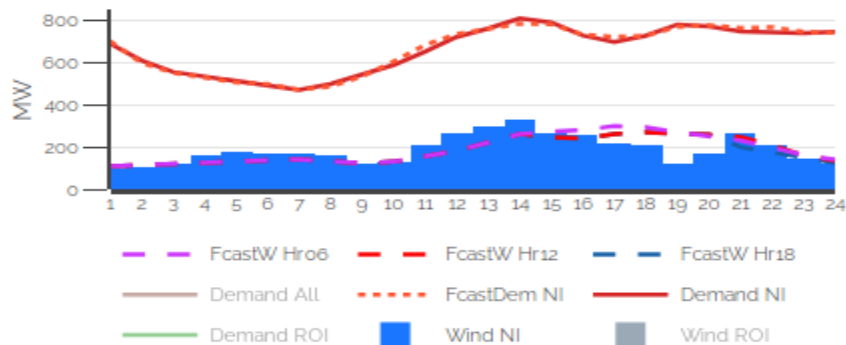
## Forecast, Actual Wind v Demand - All Island



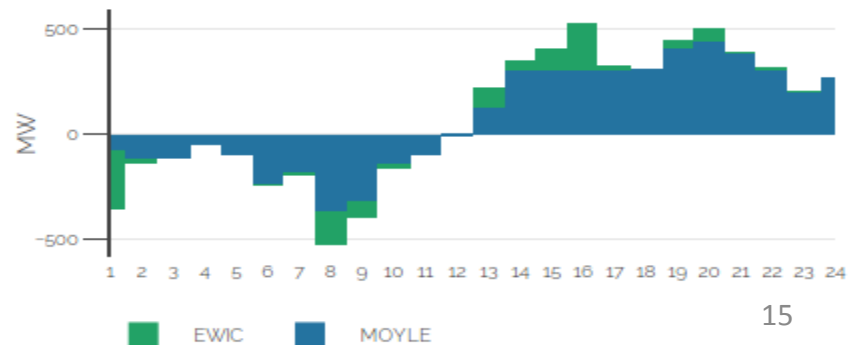
## Auction Pricing



## Forecast, Actual Wind v Demand - N.I.



## Interconnector Flows



# Record Volume Day IDA1 - 25<sup>th</sup> July

Update to the REMIT report published on the EirGrid Website under  
customer-and-industry/general-customer-information/outage-information

Message ID:	IE#238
Affected Asset or Unit:	DB1
Resource Name:	GU_400500
Type of Unavailability:	Unplanned Outage
Event Start:	2020-07-24 14:30:00
Event Stop:	2020-07-29 18:00:00
Available Capacity MW:	0
Remarks:	Steam leak issue.

If you have any queries please contact [OutagePlanning@eirgrid.com](mailto:OutagePlanning@eirgrid.com)



# Record Volume Day IDA2 - 19<sup>th</sup> July

Update to the REMIT report published on the EirGrid Website under  
[customer-and-industry/general-customer-information/outage-information](#)

Message ID:	IE#225
Affected Asset or Unit:	WG1
Resource Name:	GU_400930
Type of Unavailability:	Unplanned Outage
Event Start:	2020-07-19 06:26:00
Event Stop:	2020-07-20 22:00:00
Available Capacity MW:	0
Remarks:	Trip investigation.

# DAM 3<sup>rd</sup> June Price Anomaly ?



[Full View](#)

## Ex-Ante Day Ahead & Intra-day Market Analysis

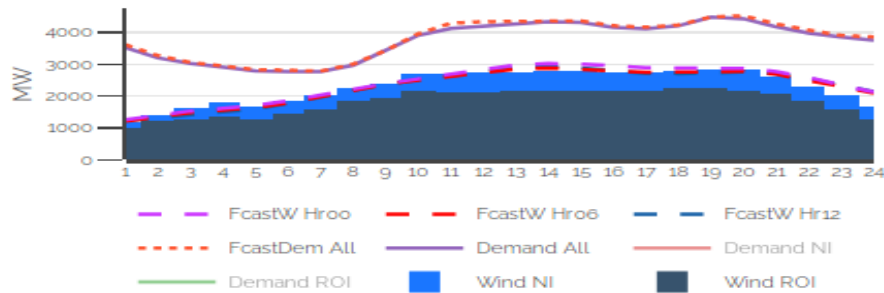
### Auction Summary

2020-06-03

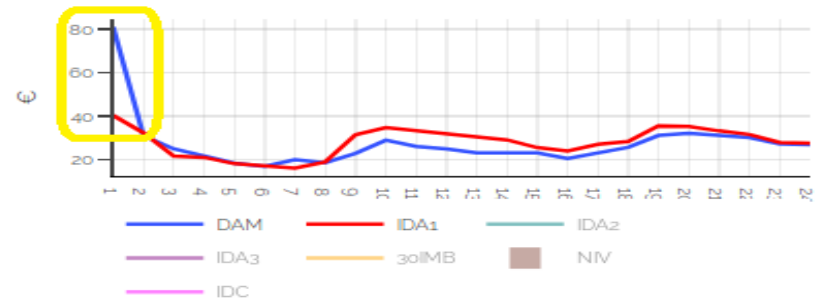
### Auction Stats | Hi | Lo | Avg | MWh | € |

2020-06-03	DAM	€81.00	€16.99	€27.24	103,477	€2,819,193
2020-06-03	IDA1	€40.50	€14.50	€28.04	12,115	€339,742
2020-06-03	IDA2	€23.55	€18.58	€21.42	4,006	€85,787
2020-06-03	IDA3	€25.00	€20.00	€22.72	566	€12,853

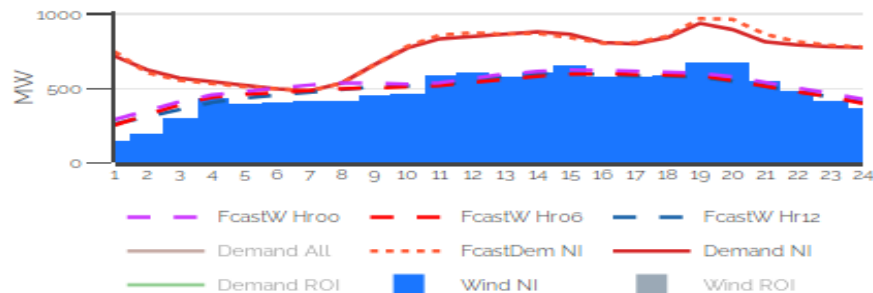
### Forecast, Actual Wind v Demand - All Island



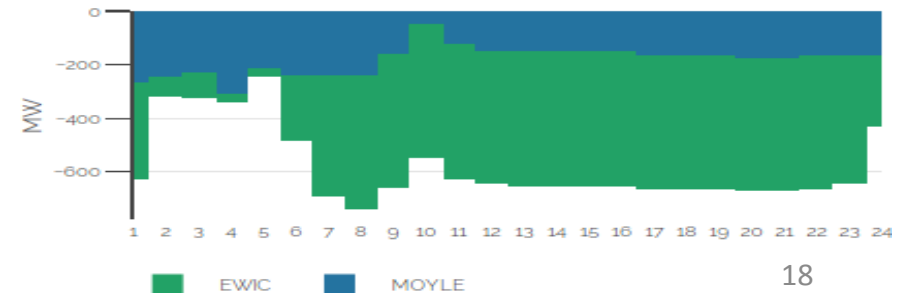
### Auction Pricing



### Forecast, Actual Wind v Demand - N.I.



### Interconnector Flows



# DAM 3<sup>rd</sup> June Price Anomaly ?



[Full View](#)

## Ex-Ante Day Ahead & Intra-day Market Analysis

### Auction Summary

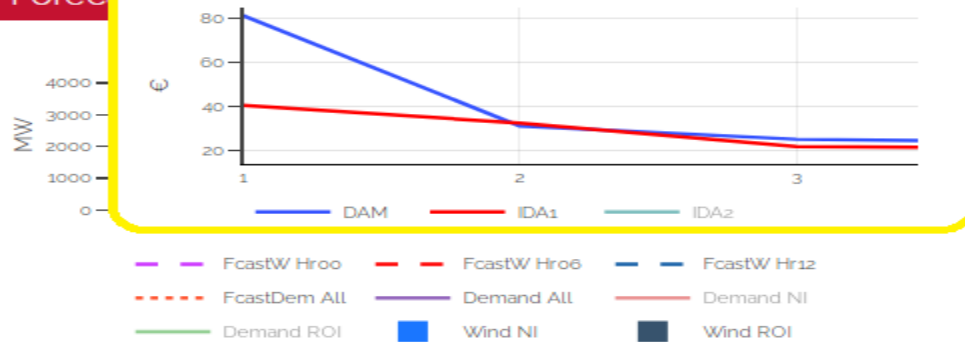
### Auction Stats [ Hi | Lo | Avg | MWh | € ]

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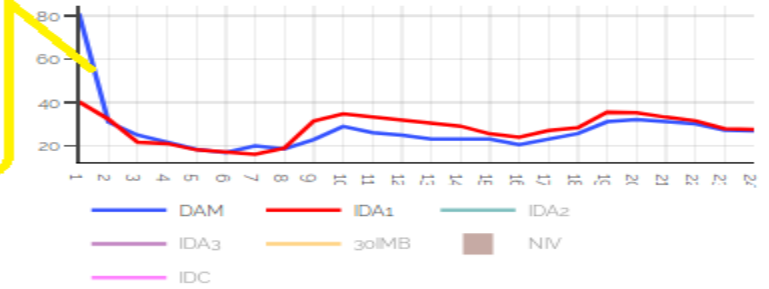
2020-06-03

### Auction Pricing

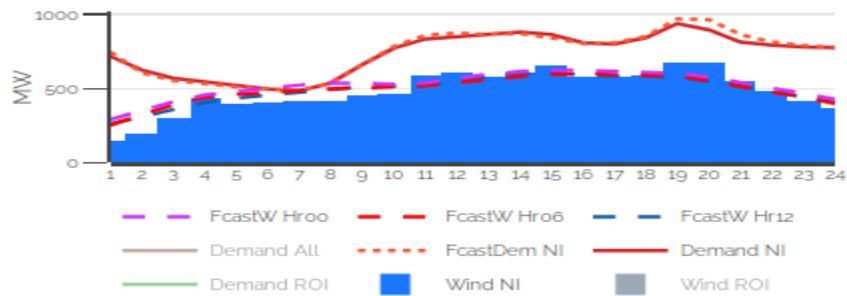
### Forecast



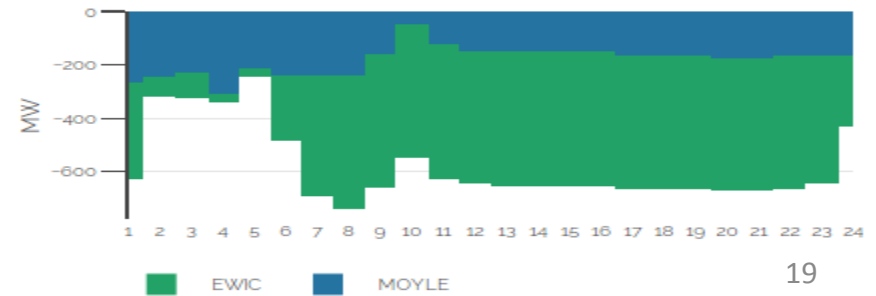
### Auction Pricing



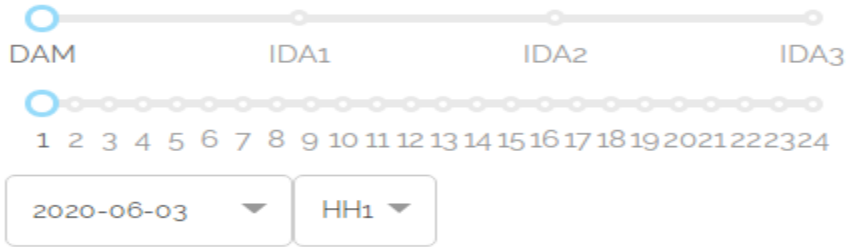
### Forecast, Actual Wind v Demand - N.I.



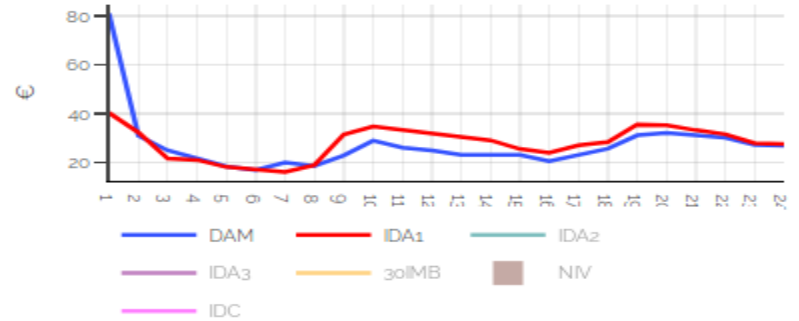
### Interconnector Flows



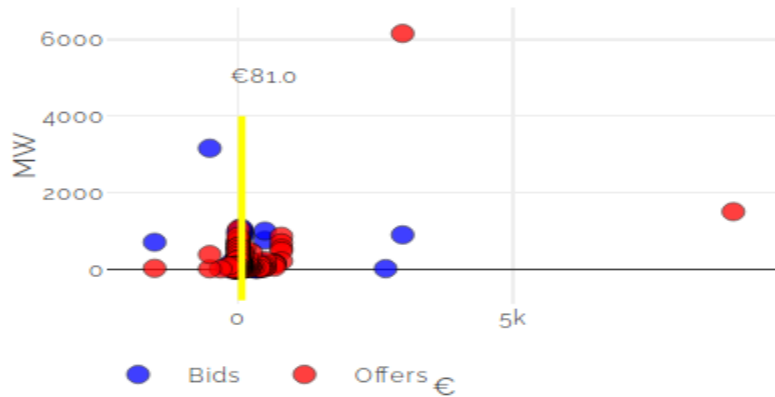
## Choose Auction



## Historical Prices



## Structure



## Auction Book

Bids	Price	Offers
635.10	€500.11	
635.10	€-500.00	

## Auction Participants

DeliveryDat	auctio	Participan	DeliveryHou	DeliveryInterva	unitid	Executedvo	fuel type	name	area_desc
2020-06-03	DAM		1	1	SU	635.1			
2020-06-03	DAM		1	1	SU	492.2			
2020-06-03	DAM		1	1	SU	381.2			
2020-06-03	DAM		1	1	SU	305.8			

# Ex-Ante Market Analysis

- **In Summary**

- ✓ Simple Look Back Analysis located on SEMOpX website here :

- ✓ [https://www.semopx.com/documents/general-publications/lookback\\_mkt.xlsx](https://www.semopx.com/documents/general-publications/lookback_mkt.xlsx)

# Change to Operational Timings for DAM

Changes to Operational Timings to align with CACM Firmness Obligations – go-live 25<sup>th</sup> August 2020

SEMOpX Operating Procedure (E.1.2) change:

- Trigger for Partial Decoupling Risk Case 1 (PD1) – due to non-receipt of Cross Zonal Capacities (CZCs) moving from 10:45 to 10:30

SEMOpX Operational Documentation change:

- Final deadline to update CZCs moving from 10:45 to 10:00

# Implementation of Complex Orders and ETS 3.4.6

Go-Live date for ETS 3.4.6\* has been confirmed as trade date 30/9/20 (operational date 29/9/20).

Utilization of Complex Orders shall coincide with the release of ETS 3.4.6 (on the same date).

A Member trial will be made available for all participants on Tuesday 22<sup>nd</sup> September via SIMU2. SIMU2 will be made available on 2/9/20 with new version and complex order adjustments.

\*ETS 3.3.2 client versions will be able to upgrade automatically to ETS 3.4.6

# ETS Releases

Version	Content	Client	Impact	Timeline
V3.4 .6	<ul style="list-style-type: none"> <li>• 121 - Retrieve trading limits from API (New Request type on API)</li> <li>• 178 - API - ETS Auction max cancellation time (New Request type on API)</li> <li>• Password reset (Members will be able to password reset themselves)</li> <li>• 30' Complex orders - DB changes (SEMOpX Preparation)</li> <li>• 30' Complex orders - Functional changes (SEMOpX Preparation - TBC)</li> </ul>	New client	Upgradable client from v.3.3.2	29th of September 2020



# ETS Maintenance Windows

Date & time	Impact	Reason	Communication
11/08/2020	ETS not accessible	Monthly Maintenance Certificate renewal.	ETS chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)
15/09/2020	ETS not accessible	Monthly Maintenance	ETS chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)
29/09/2020	ETS not accessible	ETS 3.4.6 go-live.	ETS chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)

\*Regular maintenance: Between 18:40 and 21:15 IST every 2<sup>nd</sup> Tuesday of the Month.

# M7 Releases

Version	Content	Impact	Timeline
V6.10	Release notes / Impact to be sent.	Password expiration Contract Closure indicator Trade recall requester flagging Mandatory ComTrader 6.10 upgrade	November 2020
V6.11	Release notes / Impact to be sent.	No information yet	Q1 2021

# M7 Maintenance Windows

Date & time	Impact	Reason	Communication
11/08/2020	18:40 and 21:15 IST	DBAG, ECC & EPEX	M7 chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)
08/09/2020	Possibility of cancellation	ECC	M7 chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)

\*Regular maintenance: Between 18:40 and 21:15 IST every 2<sup>nd</sup> Tuesday of the Month.

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# Repricing Update – Alternative Approach

## Outline Approach:

***“Separate the settlement of updated prices from the settlement of the updated NIV Tags and SO Flags” (application of Simple/Complex COD in Settlement), meaning:***

1. Repricing can be initiated; resulting in the publication of updated Imbalance Settlement Prices and Tags/Flags;
2. Timetabled Resettlement will capture and apply the newly calculated prices; but will settle based the ‘original’ Tags/Flags;
3. Ad hoc Resettlement, post April 2021, would be scheduled to resettle only those participants impacted by NIV Tag and SO Flag changes. For all other Participants ***‘repricing related resettlement’*** will not change post the planned timetabled resettlement.

## Approach Benefits

- ✓ Corrects all prices and allows majority of units to finalise their books from a repricing perspective via timetabled resettlement.
- ✓ It avoids deferring repricing until such time that prices and Tags/Flags can be captured in the same settlement cycle, possibly extending financial exposure into late 2021.
- ✓ It will use current functionality within the systems and will be fully backward compatible with the Enduring Solution when delivered to Production in Release G.
- ✓ Proposed approach is scalable in terms of number of re-pricing days, repeatable, auditable and can be readily supported by Operations.
- ✗ **Cons:** Published Tags/Flags will be different to those used in timetabled resettlement; which may impact participant’s ability to correctly shadow settle prior to the final Ad hoc Resettlement.

# Repricing Update

## Market Message published 19/08/2020

This is an information notice that Balancing Market Repricing is due to commence. The first repricing publication is scheduled to take place on **Thursday, 27<sup>th</sup> August 2020**.

The **Repricing Participant Guide** and associated **Repricing Calendar** can be found here:

- [Repricing Participant Guide](#)
- [Repricing Calendar](#)

The Repricing Calendar has been updated to reflect the initial programme of work; up to the end of October 2020. As a reminder, further information notices on repricing will be communicated via the **Balancing Market Repricing distribution list**, only.

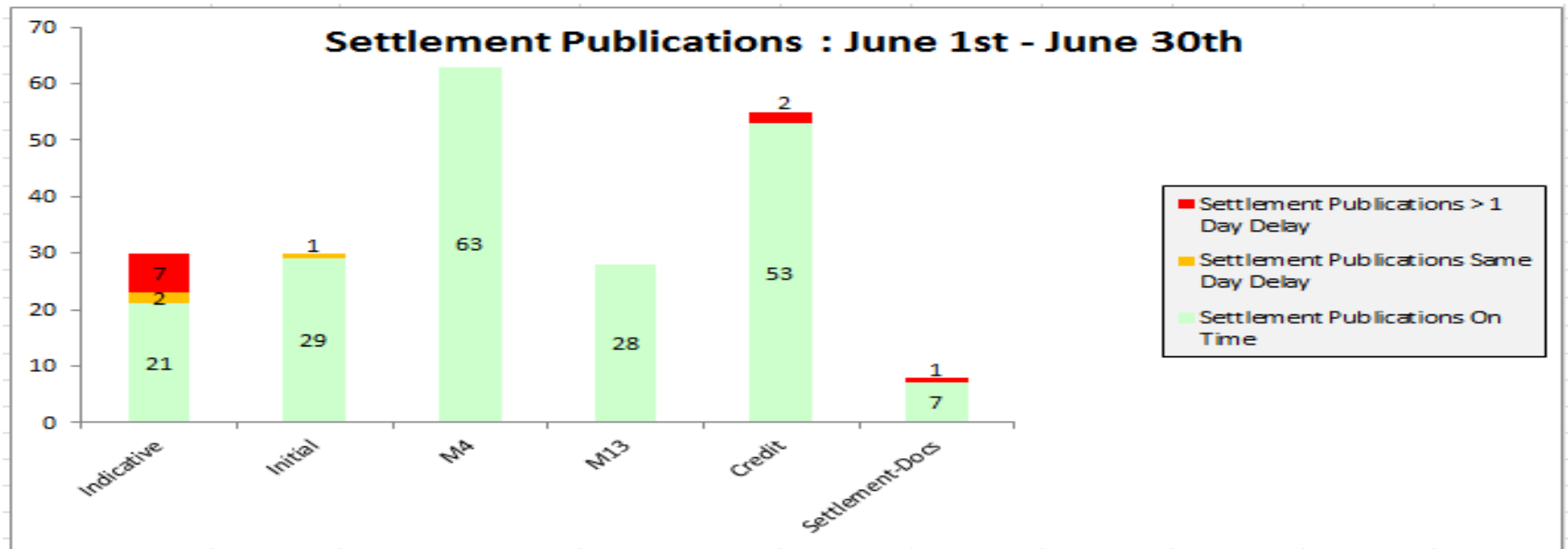
You may subscribe to this distribution list on the [SEMO Website](#).

Should you have any queries, please contact [info@sem-o.com](mailto:info@sem-o.com).

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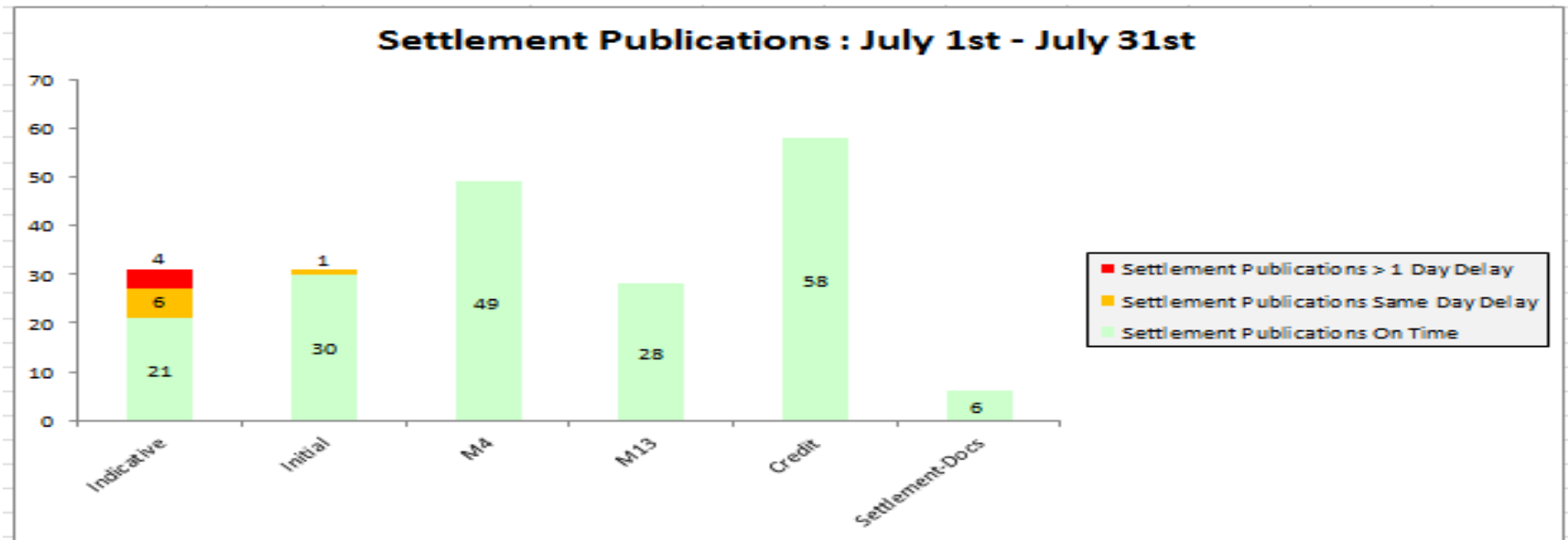
# Settlement publications & timelines : June 2020



- **Indicative & Initial publication** : 6 of the 7 indicative publications with greater than one day delay were due to (KIR ID 176093, Instruction profiler time out issue). The remaining 3 same day delays for indicative publications were due to timeline impacts with processing indicative backlog days and MDP data delays.
- **Settlement Documents**: June 12<sup>th</sup> delayed due to KIR ID #155031 - Settlement Document creation times. SDs published on Monday 15<sup>th</sup> June, with payments in and out adjusted.
- \*Up to 2 Settlement Documents can be issued per week due to KIR #6148

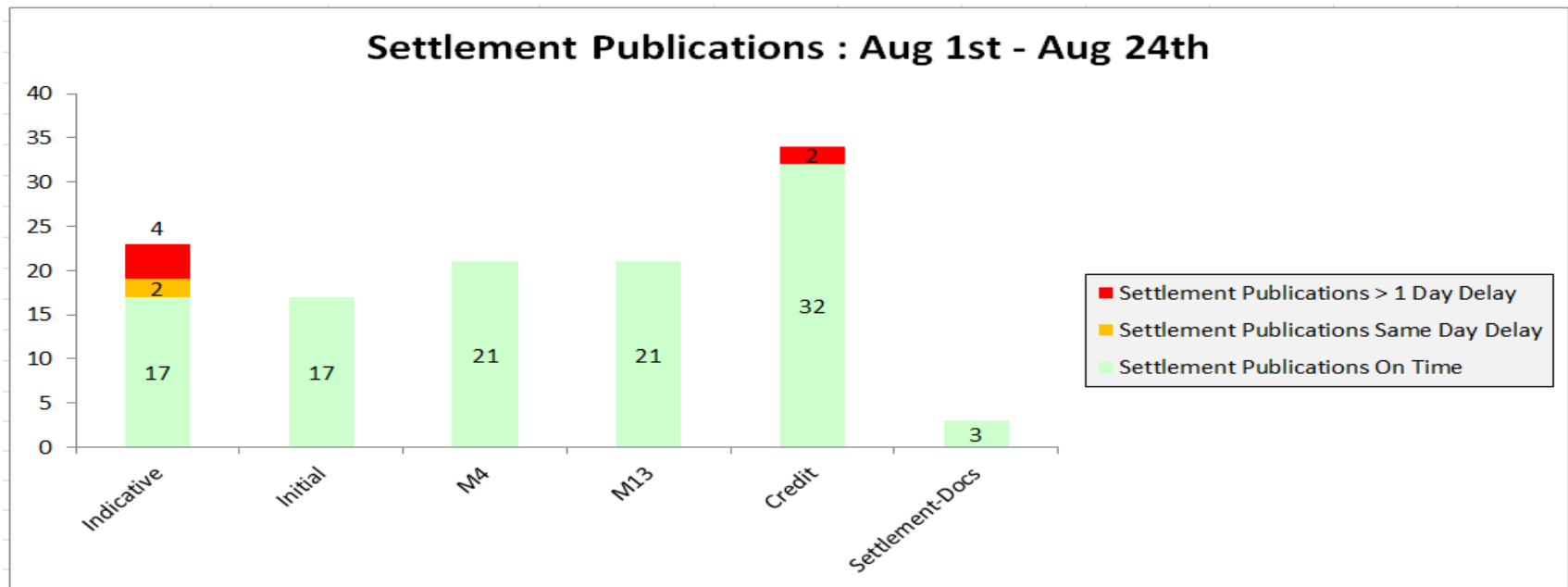


# Settlement publications & timelines : July 2020



- **Indicative & Initial publications:** The 4 indicative publications with greater than one day delay were due to a delay with SONI MDP providing NI data. The remaining 6 same day delays for indicatives were due to a delay with Instruction profiling data transferring to settlement systems , and processing time overruns when processing multiple days.
- **M4:** Double weeks for M4 catch-up completed in July
- **M13:** There were ACTA issues impacting the timing of two single weeks of M13 processing in July. Double weeks for M13 catch-up started on July 31<sup>st</sup> .

# Settlement publications & timelines : August 2020



- **Indicative & Initial publications:** The 4 indicative publications with greater than one day delay, and the two same delays were due to a delay in the timing of the Instruction profiling data transferring to settlement systems, which then caused processing time overruns.
- **Credit reports:** Only one Credit report published @ 3.30pm 12<sup>th</sup> August. Issue with data transfer from finance application into settlements application to marking payments as paid. Issue was resolved in time for the 3.30pm report.

# Settlements & Credit Processing : Other updates

- **Resettlement schedules:** As presented on July 9<sup>th</sup> - [SEMO Resettlement Plan - July 2020 Update](#)
- Queries & feedback received from market participants on proposal to run ad-hoc capacity resettlement ahead of ad-hoc BALIMB resettlement. Settlements can confirm this will not be happening, and ad-hoc capacity resettlement will issue in line with ad-hoc BALIMB resettlement.
- **VAT rate update in ROI :** Vat rate to update from 23% to 21% from Sep 1<sup>st</sup> 2020 to Feb 2021, which impacts MO invoices only. Initial MO system updates tested successfully, final tests on MO resettlement due to complete on the 26<sup>th</sup>.
- A further update will be provided on the market participant call on Thursday, 3<sup>rd</sup> September.

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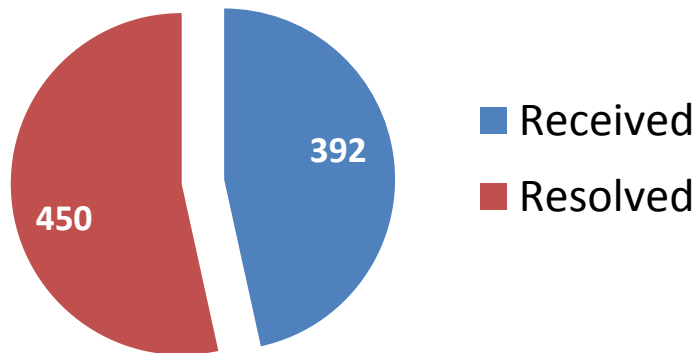
## SO insights since the last MOUG

- Amber Alert 05/08/2020 and Imbalance Price Impact.
- Housekeeping

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Welcome	Claire Kane, John Ging
Release Program Update	Jude Nugent
Ex-Ante Markets	Liam McAllister, Michael Atcheson
Repricing Update	Michael Atcheson
Settlements Update	Sean O'Rourke
SO insights since the last MOUG	Rory Cafferky
<b>Front Office Update</b>	<b>Claire Breslin</b>
Q&A	

# General Queries Overview 11<sup>th</sup> June 2020 – 24<sup>th</sup> August 2020



- 392 < 94 Queries received\*
- 450 > 135 queries closed\*
- Queries closed within an average of 8 working days \*

*\*Change from last MOUG update*

# Formal Queries and Disputes- 11<sup>th</sup> June 2020 – 24<sup>th</sup> August 2020

## **Formal Settlement Queries:**

Completed: 24

In progress: 11

Rejected: 0

**Total: 35**

## **Disputes:**

Completed: 1

In progress: 0

Rejected: 0

**Total: 1**



# Legacy SEM Wind Down

- The Final Legacy SEM Decommissioning Revenue paper issued to the RAs on the 23<sup>rd</sup> June, to date no feedback has been received.
- All Participant bank accounts have been closed, Deeds of Release to be issued shortly.
- The Legacy SEM website was decommissioned and an agreed subset of data was migrated to the current SEM website on the 12<sup>th</sup> August.

# Agenda

Item	Presenter
Welcome	Claire Kane, John Ging
Release Program Update	Jude Nugent
Ex-Ante Markets	Liam McAllister, Michael Atcheson
Repricing Update	Michael Atcheson
Settlements Update	Sean O'Rourke
SO insights since the last MOUG	Rory Cafferky
Front Office Update	Claire Breslin
<b>Q&amp;A</b>	

Close

- SEMO Website: <http://www.sem-o.com/>
- Semopx Website: <http://www.semopx.com/>
- Queries: [Info@sem-o.com](mailto:Info@sem-o.com); [Info@semopx.com](mailto:Info@semopx.com)
- Capacity Market: [CapacityMarket@sem-o.com](mailto:CapacityMarket@sem-o.com)

***Thank you for your attendance.***