

Market Operator User Group

Dublin, 25 November 2020

Agenda

Item	Presenter
Welcome	Anne Fitzgerald
Market Development Roadmap	Mark Needham
Release Program	Mark Needham
Ex-Ante Markets	Liam McAllister, Michael Atcheson
Brexit Update	Michael Kelly
Repricing	Michael Atcheson
Settlements	Sean O'Rourke
SO insights since the last MOUG	Diarmaid Gillespie
Market Interface Update	Anne Fitzgerald, Claire Breslin
Q&A	

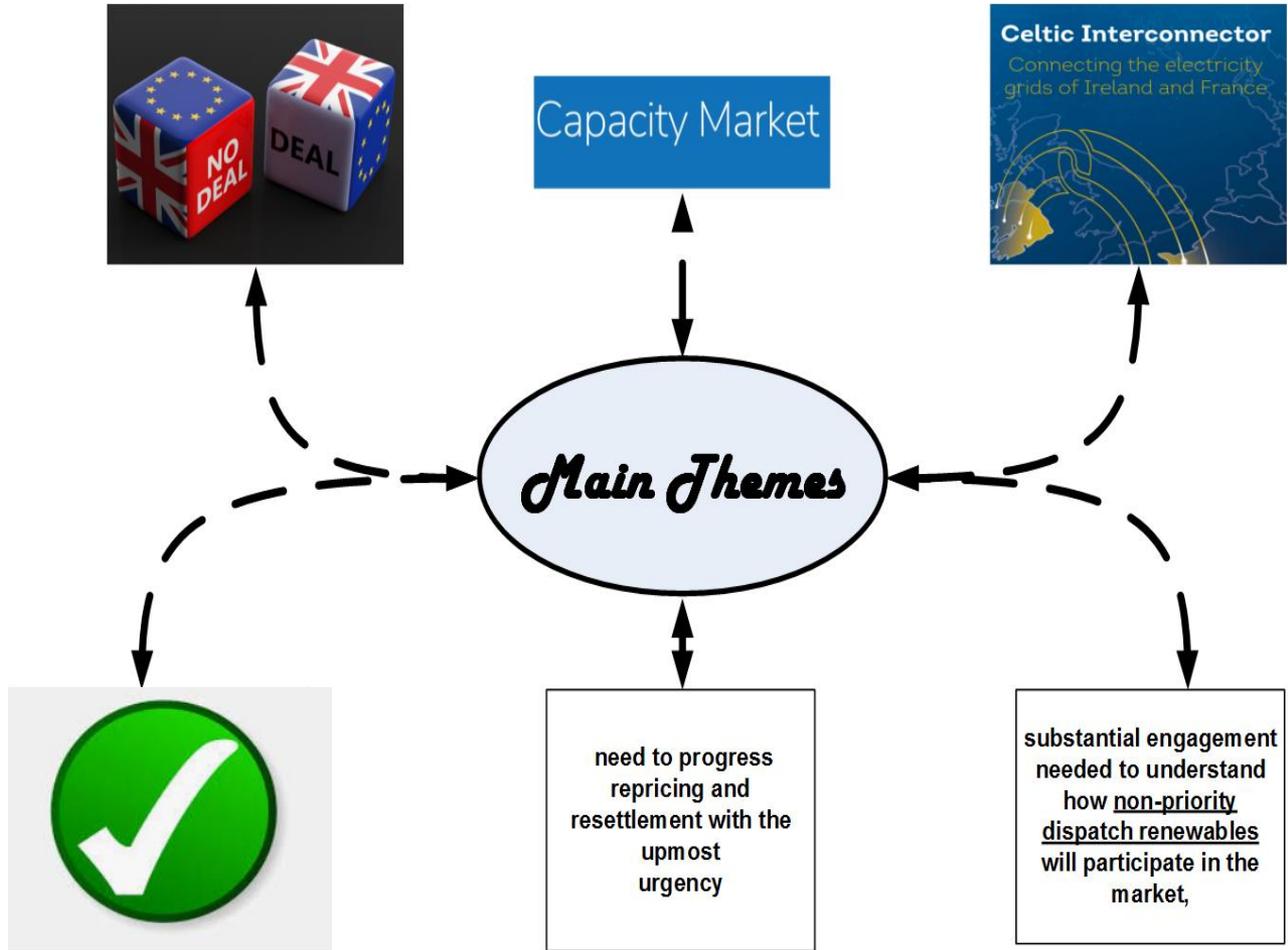
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Feedback to June 2020 Market Development Roadmap



Feedback to June 2020 Market Development Roadmap



Roadmap Dec 2020



- Next Version to be published Dec 2020
- Will invite suggestions for changes in 2021
- Alignment with 2030 Vision for Markets which start consultation in Q1 2021

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Release Program Update

- **Release F** deployed on November 3rd 2020.
- **Release G** in progress – expected deployment June 2021:

Central Market Systems Release G scope			
#	CR Ref	Mod Ref	Description
1	CR-158	N/A	Repricing and relationship with Instruction Profiling
2	CR-129	22_19	Correction of QUNDELLOTOL calculations to convert TOLUG and TOLOG to MWh
3	CR-072	08_19	Clarification to Intraday Quantity and Payment
4	CR-119	20_19	Changing Day Ahead Difference Quantity to Day Ahead Trade Quantity Within Day Charge Calculation
5	CR-081	03_19	Amendment of conditions in which the Market Backup Price is used
6	CR-126	N/A	Configuration of Variable Market Operator Price to apply on a Tariff Year basis, not Calendar Year
7	CR-088	N/A	Changes to configuration of FX Rates
8	CR-079	N/A	Registered Capacity Report Amendments

- **Release H** scoping underway – expected deployment October 2021

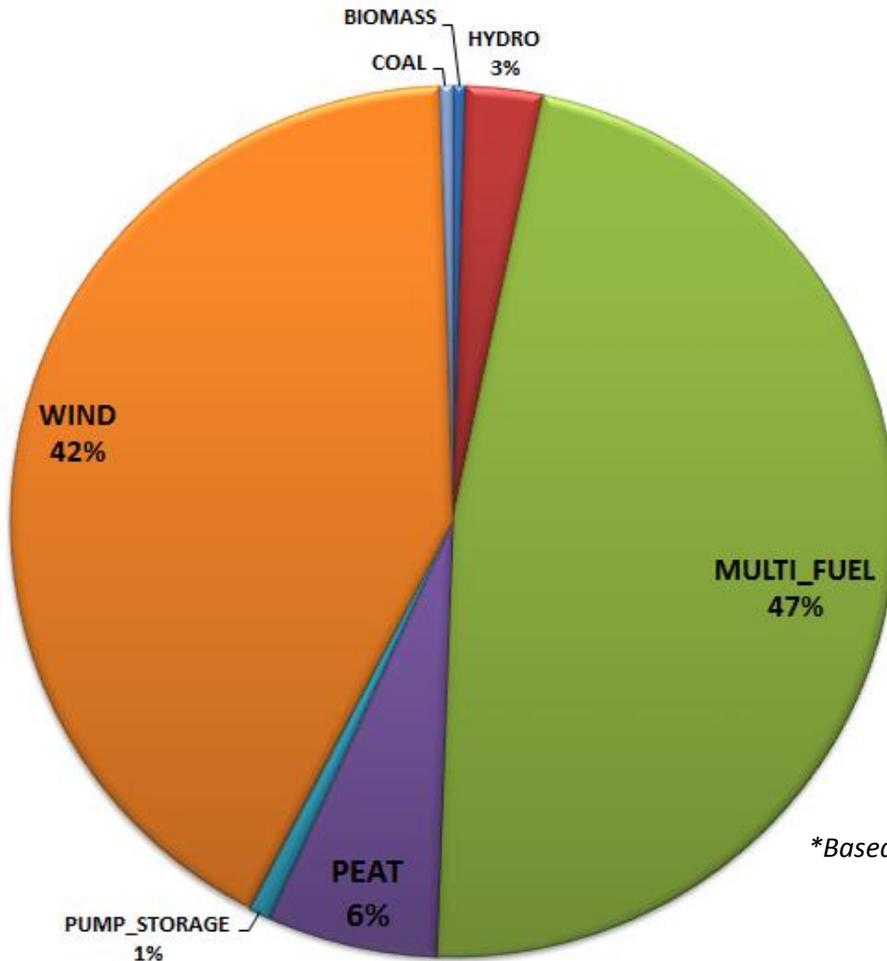
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Ex-Ante Markets

- Volumes and Fuel Mix Oct 2020

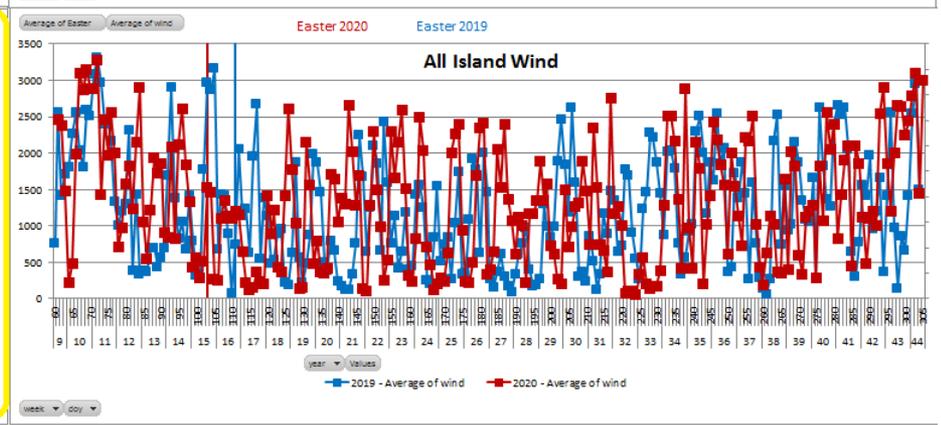
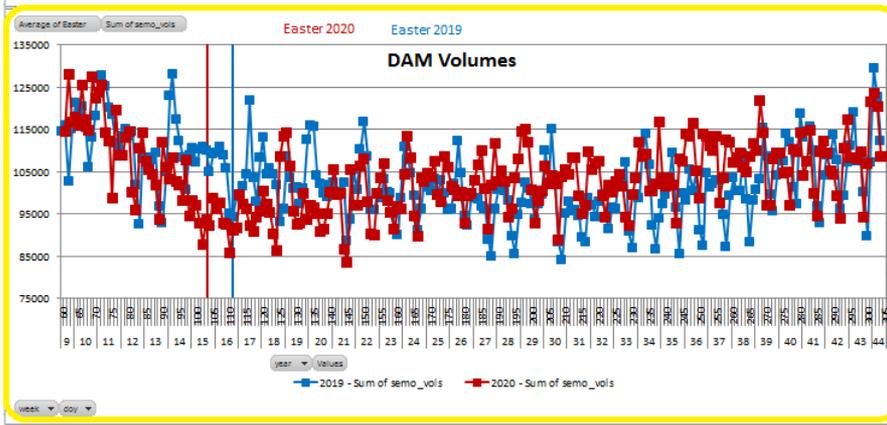
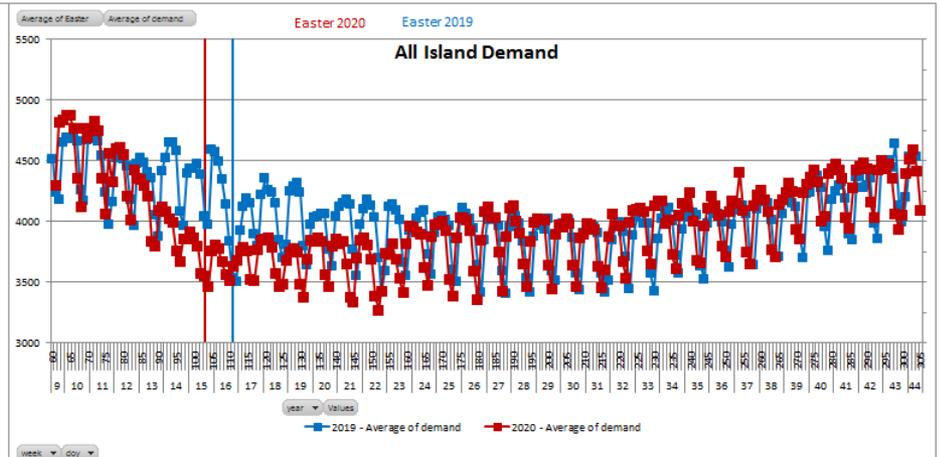
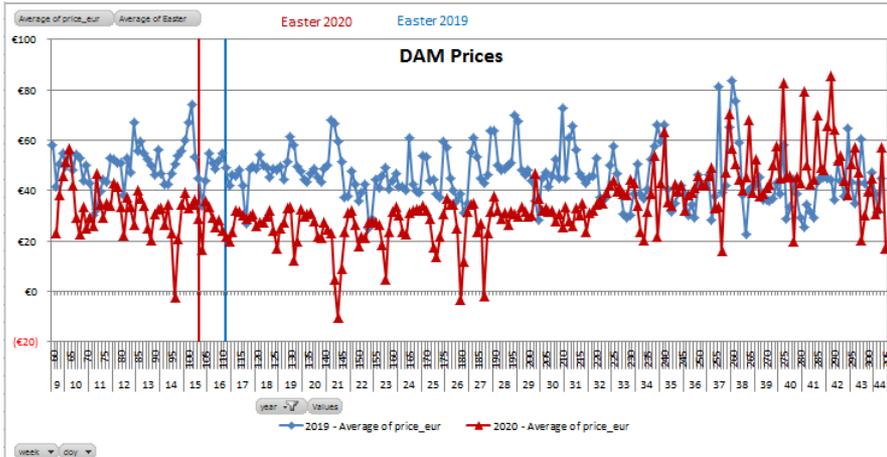
**Using approx. prices and fuel type breakdowns*



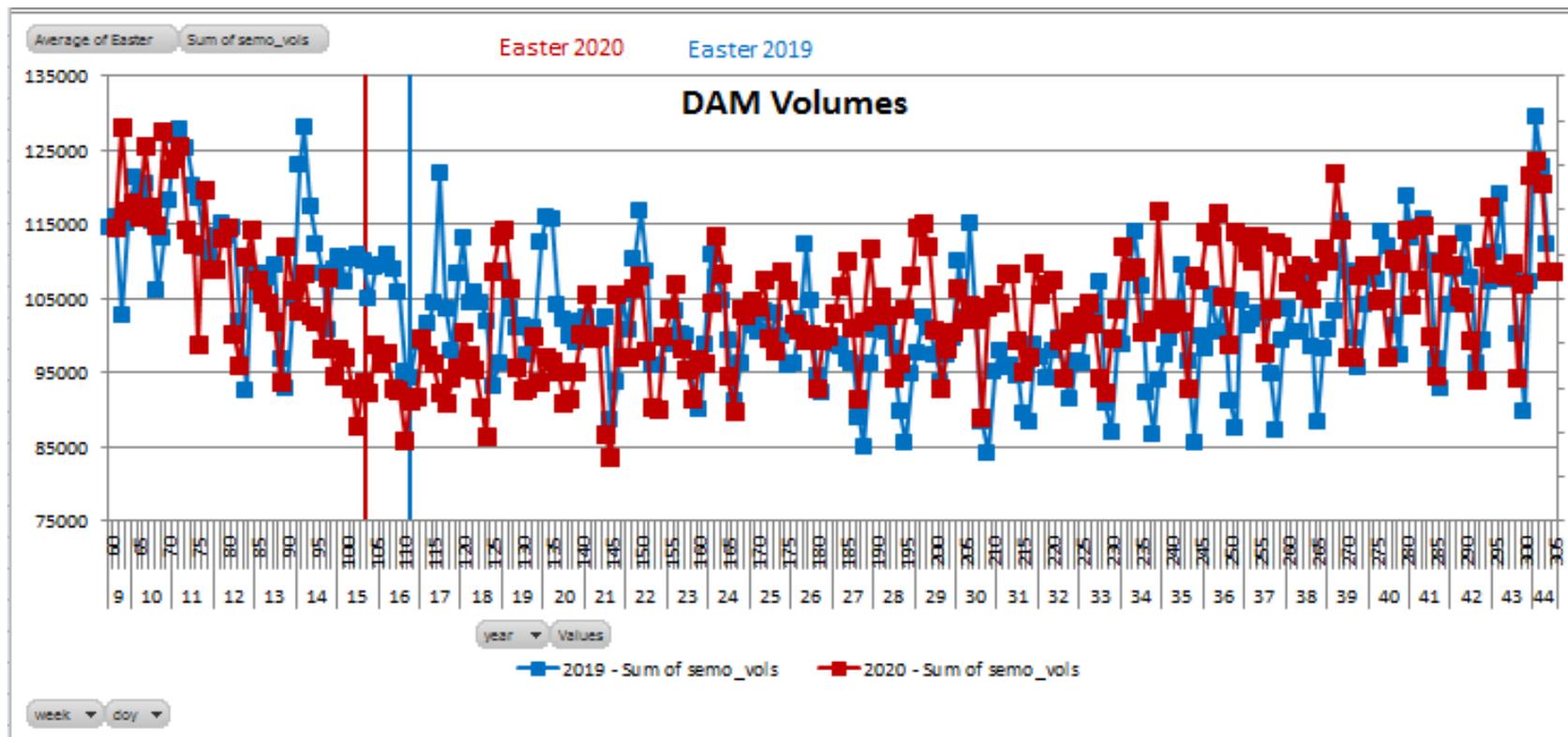
	Value	% of DAM
DAM	€169,045,145	
IDA1	€15,492,865	9.16%
IDA2	€7,399,744	4.38%
IDA3	€2,165,988	1.28%
IDC	€203,688	0.12%

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

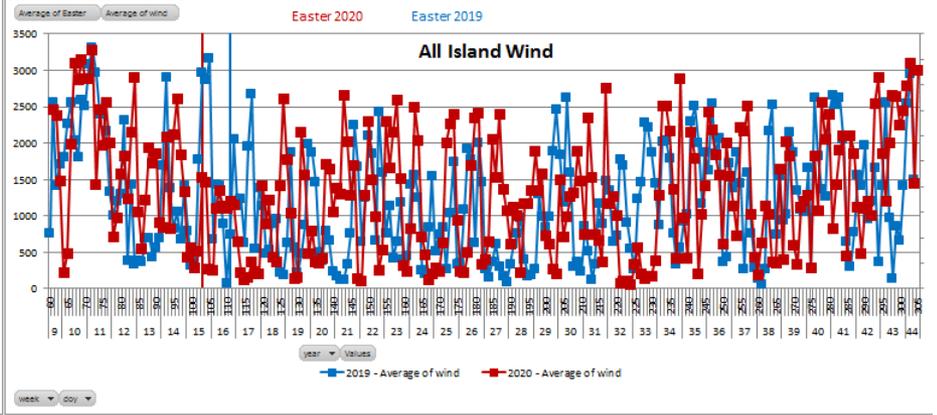
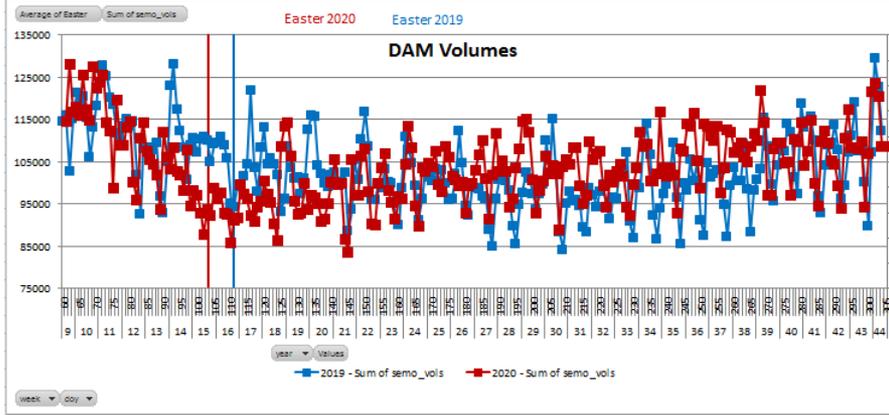
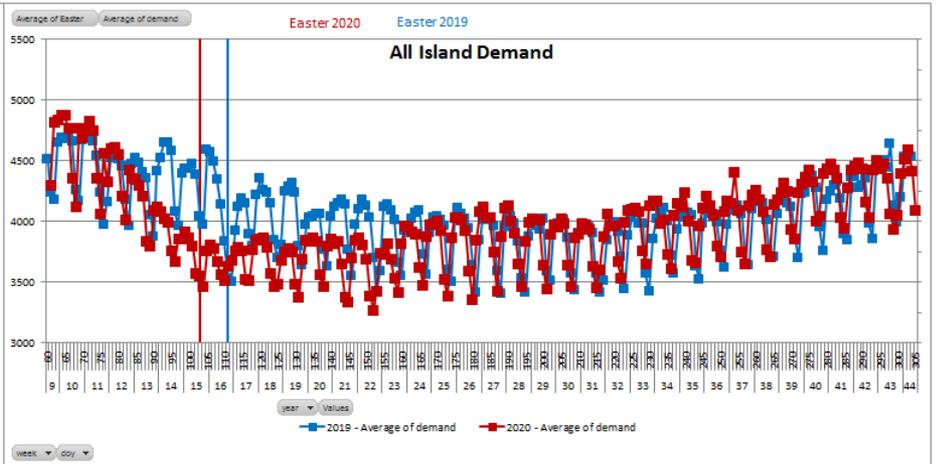
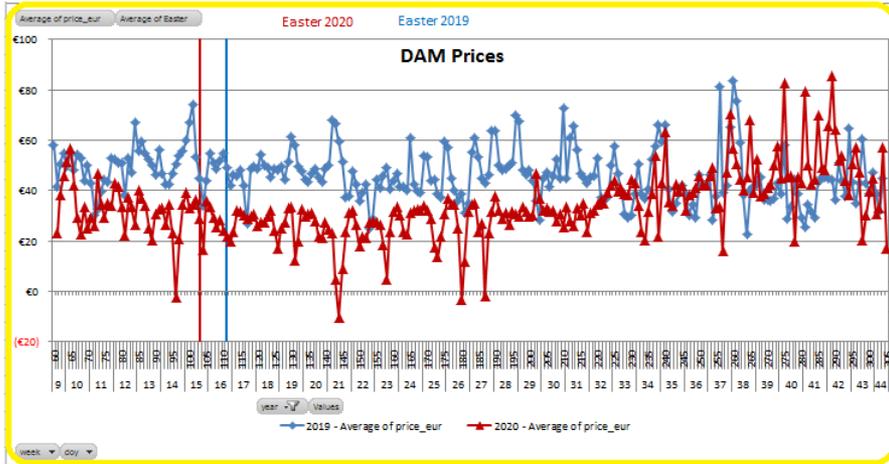
Ex-Ante Markets Reaction to COVID-19



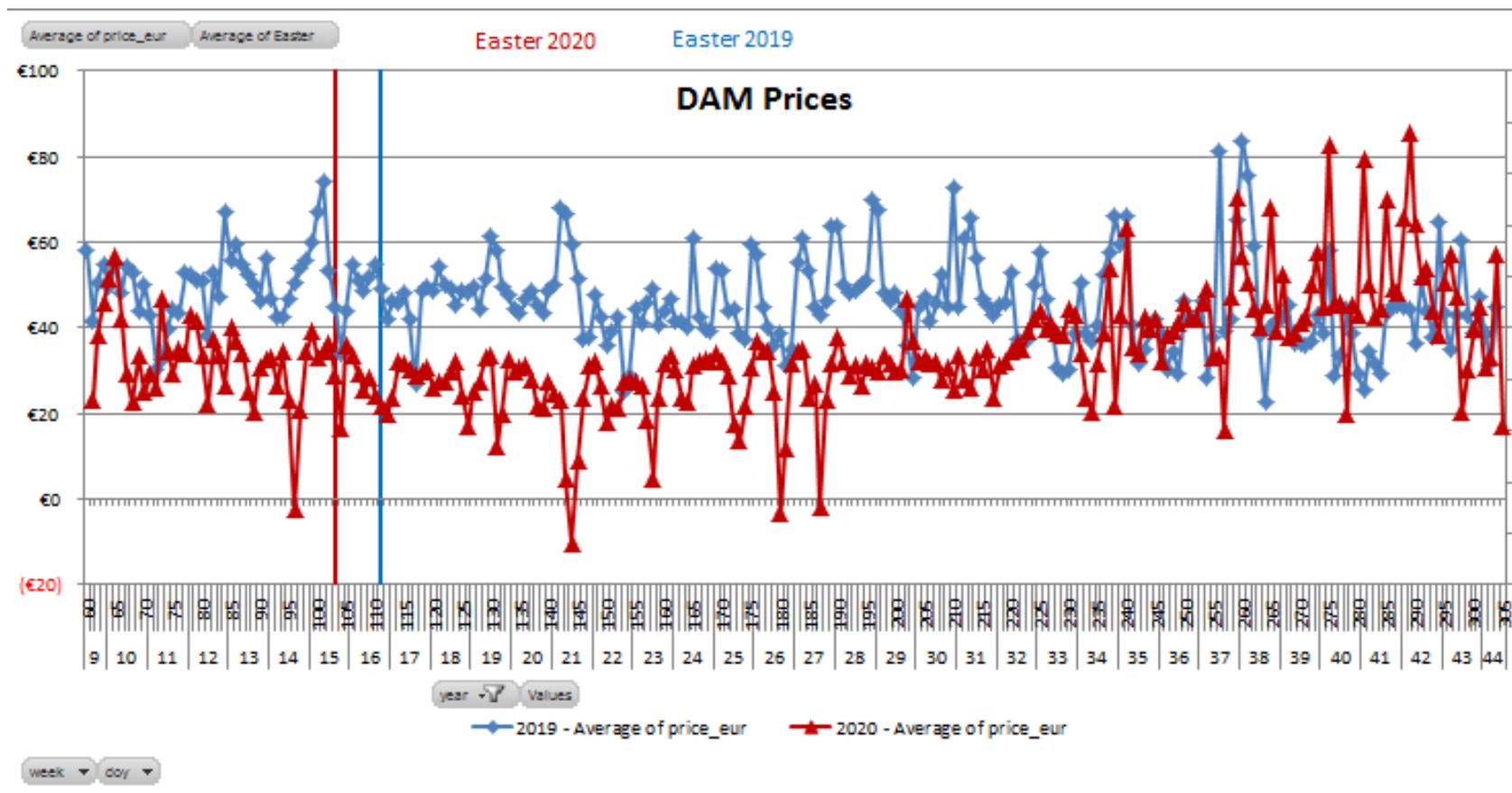
Ex-Ante Volume, Demand, Wind, Prices 2020 versus 2019



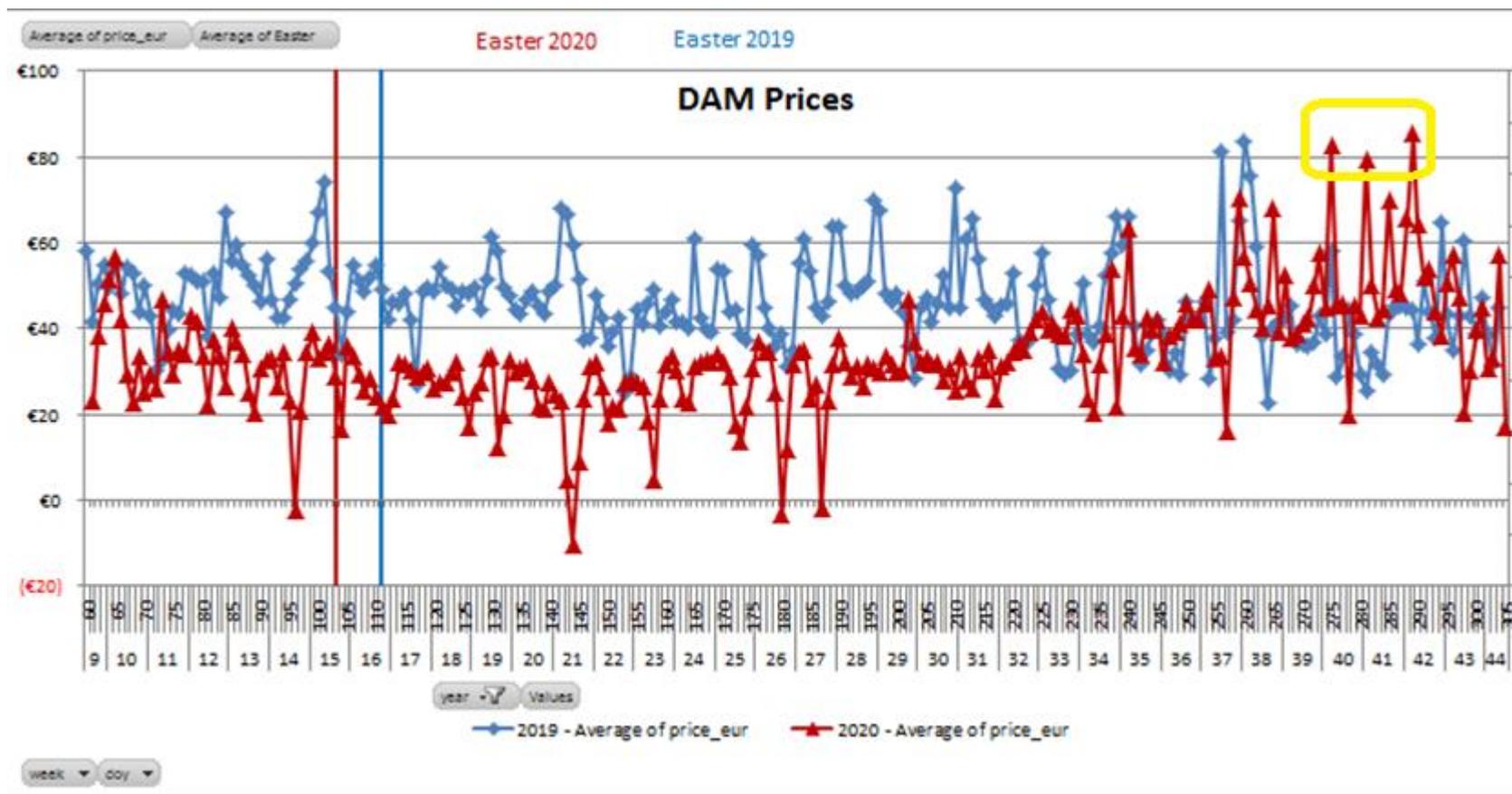
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Ex-Ante Volume, Demand, Wind, Prices 2020 versus 2019

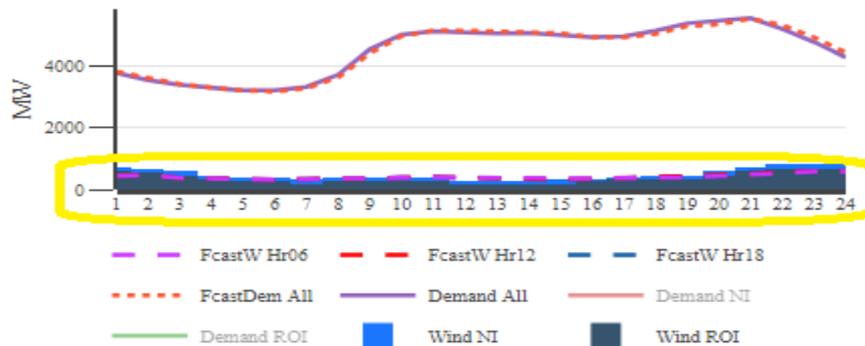


Ex-Ante Day Ahead & Intra-day Market Analysis

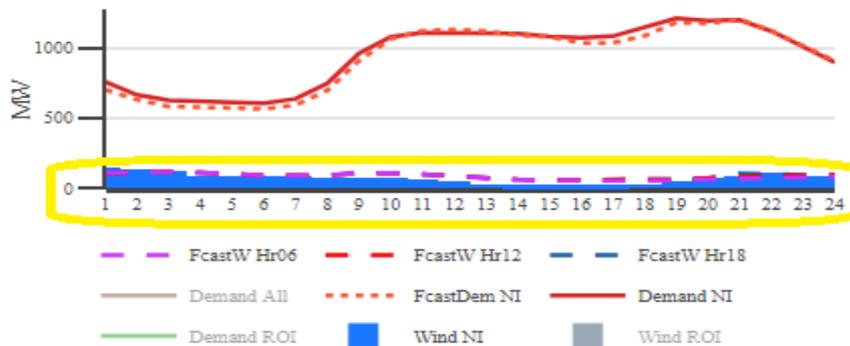
Auction Summary

2020-10-15 ▾

Forecast, Actual Wind v Demand - All Island



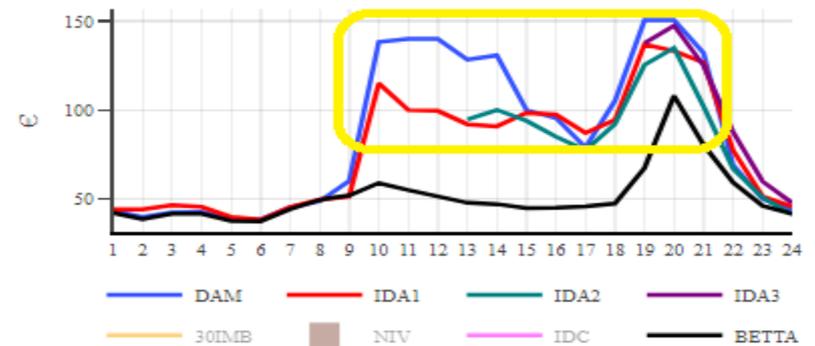
Forecast, Actual Wind v Demand - N.I.



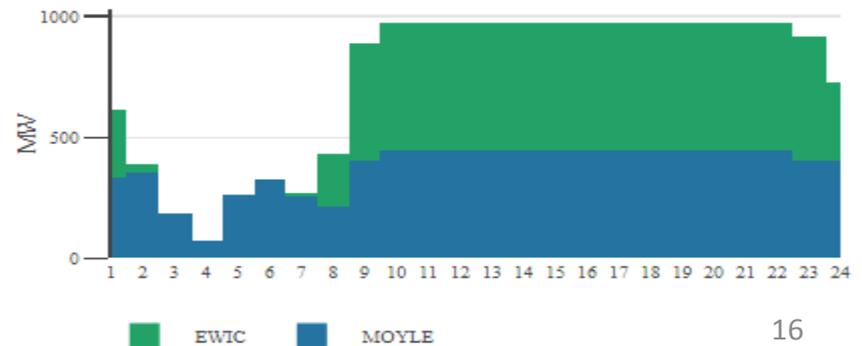
Auction Stats [Hi | Lo | Avg | MWh | €]

2020-10-15	DAM	€150.46	€38.41	€85.50	105,353	€9,007,700
2020-10-15	IDA1	€143.47	€38.00	€77.15	7,174	€553,440
2020-10-15	IDA2	€138.50	€38.61	€88.73	4,729	€419,635
2020-10-15	IDA3	€150.00	€46.56	€100.90	521	€52,582

Auction Pricing



Interconnector Flows



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

M7 Release Schedule

Version	Content	Impact	Timeline
V6.10	Release notes / Impact to be sent.	<ul style="list-style-type: none"> • Password expiration (Only for Prod) • Contract Closure indicator • Trade recall requester flagging. • Mandatory ComTrader 6.10 upgrade • Changes in API Scheme. 	8th of December
V6.11	Release notes / Impact to be sent.	<ul style="list-style-type: none"> • No information yet. 	End of May - 2021
V6.12	Release notes / Impact to be sent.	<ul style="list-style-type: none"> • No information yet. 	Q4 - 2021

M7 Planned Outages

Date & time	Impact	Reason	Communication
10/11/2020	Maintenance	ECC System Update	M7 chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)
08/12/2020 (Timing TBC)	V6.10	DBAG, EPEX* & ECC	M7 chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)

ETS Releases

Version	Content	Client	Impact	Timeline
V3.5	<ul style="list-style-type: none">• Changing the certificate handling in ETS (Enhancement on API)• Change in the handling of the cypher suite admission (Internal enhancement for API connections TSL)	New Client	Not-upgradable	Q1 2021

ETS Planned Outages

Date & time	Impact	Reason	Communication
30/11/2020 - TBC	ETS not accessible	PMB11.1 & E10.5	ETS chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)
08/12/2020	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)

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Brexit Central Scenario

November 2020

Next Steps

- MRC systems test for Brexit - 30th Nov
 - Submission of capacity files with topology changes to remove SEM-GB interconnectors
- Consensus forming along the following lines
 - Final auction which includes SEM-GB capacity in the DAM to be 11:00 30 Dec 2020
 - Final delivery period 23:00 30 Dec to 23:00 31 Dec

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Repricing Update – Alternative Approach

Outline Approach:

No change to 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 June 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

- Release F & F.2 implemented on 03/11/2020 and 17/11/2020
- Next steps are to validate in production and restart materiality assessments on the new code
- Mid December is the target for starting communications of repricing publications in the same format previously used in September

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.

Repricing Update

No change to schedule below



Release F

1. Contains fix for repricing reports error; release allows repricing to start.
2. Oldest dates will be repriced first.
3. Repeat batches in simulation environment to determine materiality before publishing to production.
4. First publications in production estimated for December 2020.

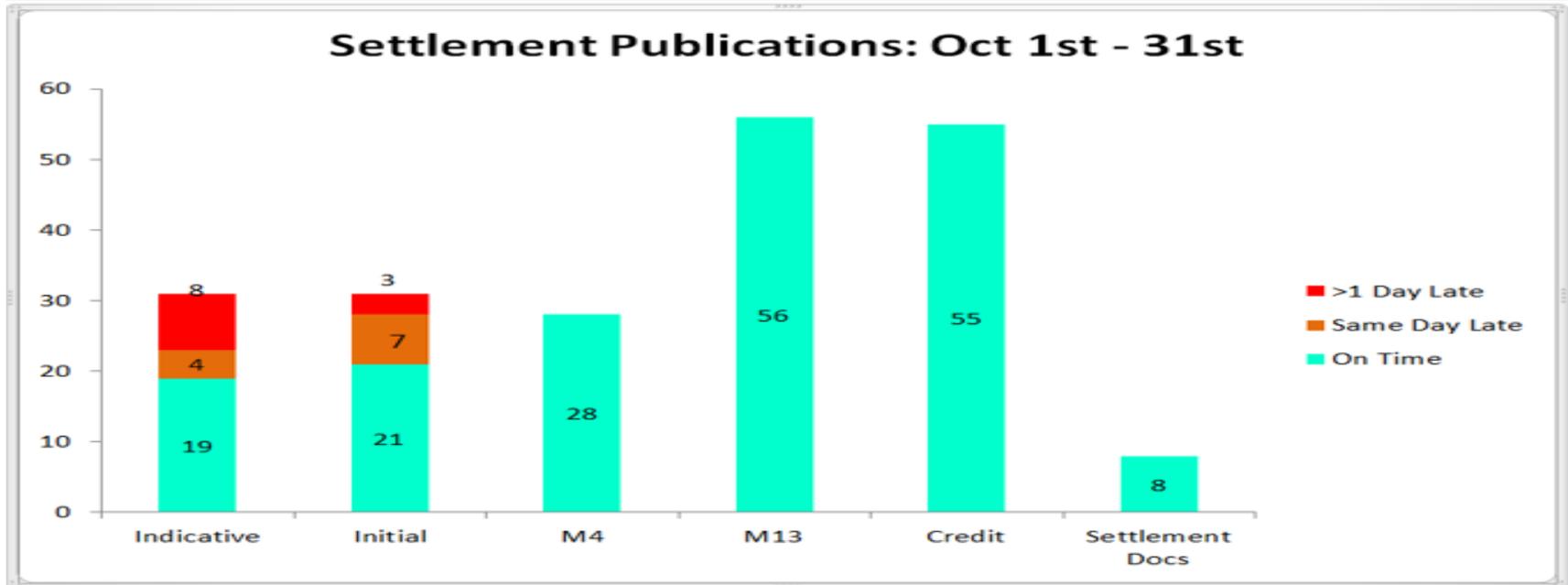
Release G

1. Contains fix enabling the transfer of repricing tags/flags to for Settlement processing.
2. Ad hoc Resettlement will be required post deployment of Release G in June 2021.
3. This will be a final 'repricing' related resettlement containing updated both updated prices; and tags/flags.

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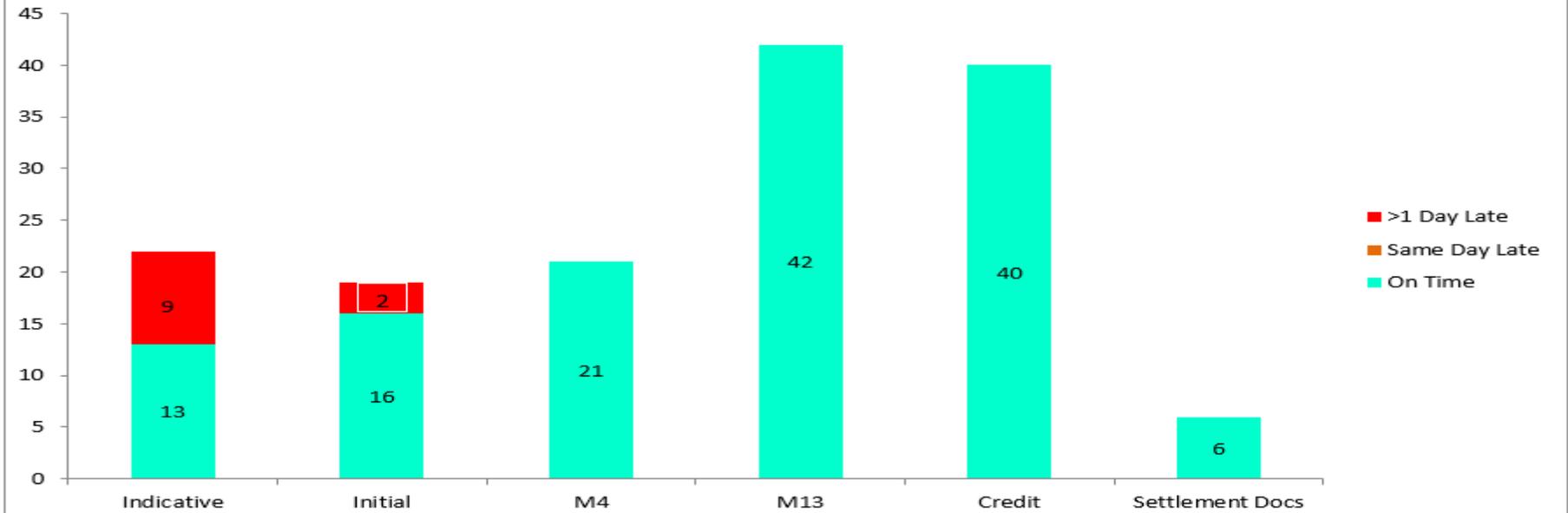
Settlement publications & timelines : October 2020



- **Indicative publications:** 6 of the 8 delayed publications >1 day in Oct due to **KIR#192,588** “Delay with receiving SONI MDP D1 Actual Availabilities”. Issue resolved by SONI MDP 13/10/2020.
- **Initial publications:** 3 delayed publications >1 day in October were due to **KIR #192,588**. 7 delays same day due to additional analysis required before publication(4), Release F checks (3).
- **M4, M13 Settlement Documents:** On time for October 2020
- **M13:** Double M13 schedule continued in October as per M13 catch-up schedule

Settlement publications & timelines : Nov to date

Settlement Publications: Nov 1st - 23rd



- **Indicative publications:** 9 delayed publications >1 day in November due to **KIR #196,885** “QMLF Calculation failure”. Settlement Post Go-Live defect . Issue resolved 11/11/2020.
- **Initial publications:** 2 delayed publications >1 day in November were due to **KIR #196,885**.
- **M4, M13 Settlement Documents:** On time to date in Nov 2020
- **M13:** Double M13 schedule continued in November as per M13 catch-up schedule

Settlements & Credit Processing : Other updates

- **Adhoc resettlement schedule update:** market message issued 24th Nov
 - <https://www.sem-o.com/market-messages/message/index.xml?message=2816>
- **SMART metering release & cut-over schedule:** Impact to settlements processing on Monday, December 21st ;

Data Aggregation following Market Outage



Data Aggregation

- Due to the Market Outage, ESBN will not be able to run Data Aggregation on Monday 21st December 2020.
- On Tuesday 22nd of December 2020, ESBN will run:
 - 4 days of Indicative Aggregation (settlement dates 18th , 19th , 20th & 21st December 2020)
 - 2 days of Initial Aggregation (settlement dates 15th & 16th December 2020).

- No indicative settlements publications on Dec 21st, processing to occur on Dec 22nd for indicative dates 18th, 19th, 20th and the 21st Dec

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NI System Alert of 5 November 2020

Unit availability prior to event

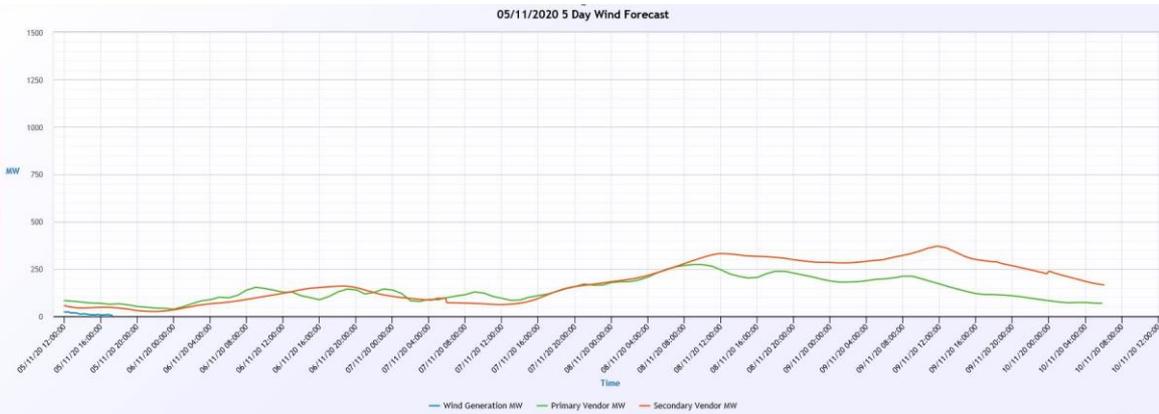
- B31 and K2 unavailable in NI
- Turlough Hill full station outage in IE
- low/zero wind in NI and IE
- Reduced interconnector imports on EWIC and Moyle; No opportunity to trade with NGENSO (also tight)

Event Trigger

- Loss of K1 at 16:12
- Alert issued 16:33

Peak

- Peak Demand NI: 1450 MW
- Dispatch gen avail NI : 1189 MW
- 3 MW Wind
- 275 MW Moyle Import / 170 MW S-N flow
- All units in NI dispatched
- 13 peakers/OCGTs AI
- All NI DSUs dispatched



NI System Alert of 19 November 2020

Unit availability prior to event

- B31 and K1 unavailable in NI; K2 limited to 100 MW
- Wind ~60 MW (below forecast)
- Full import on Moyle

Event Trigger

- Loss of B32 at 15:56
- Alert issued 16:45



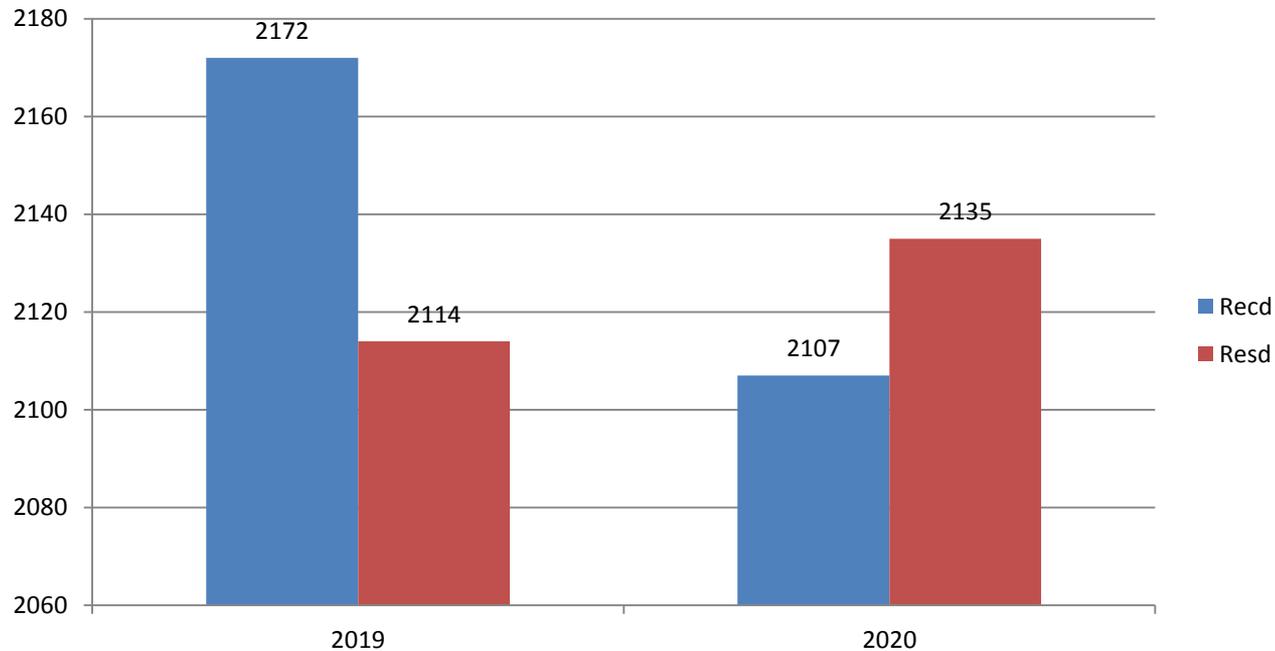
Peak

- Peak Demand NI: 1460 MW
- Dispatch gen avail NI: 995
- 140 MW Wind
- 450 MW Moyle Import / 145 MW S-N flow
- All units in NI dispatched
- 4 peakers/OCGTs in NI and 4 in IE dispatched

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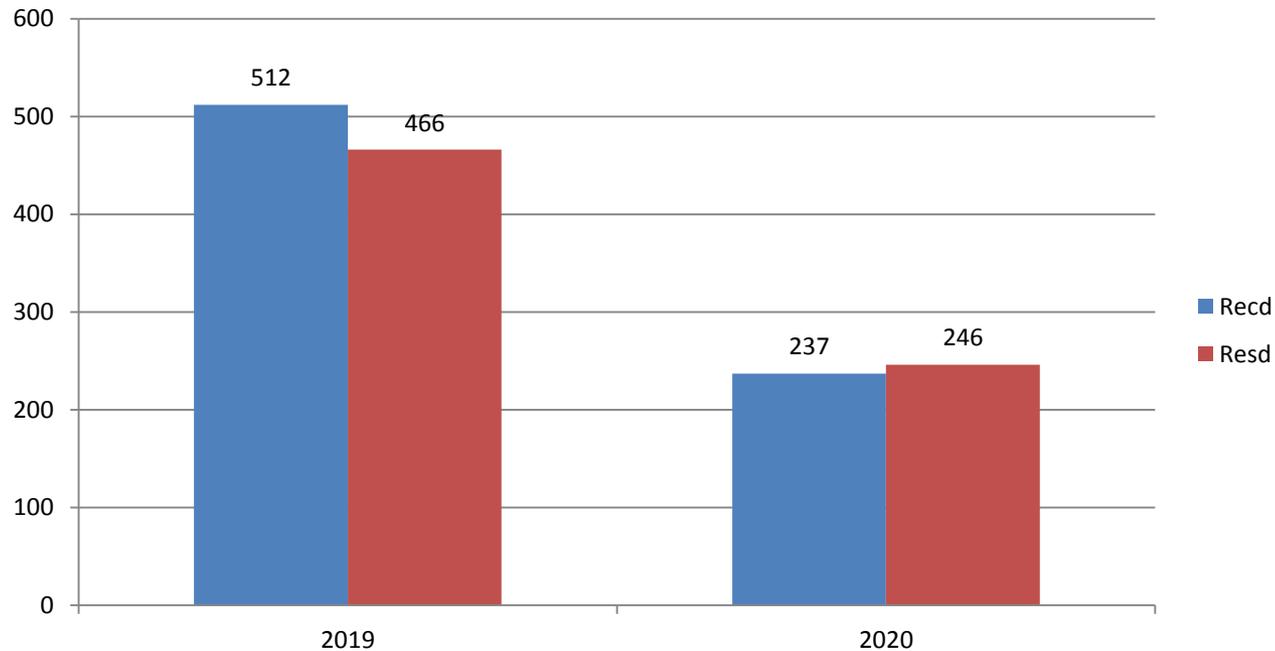
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SEMO General Query Overview – 2019\2020



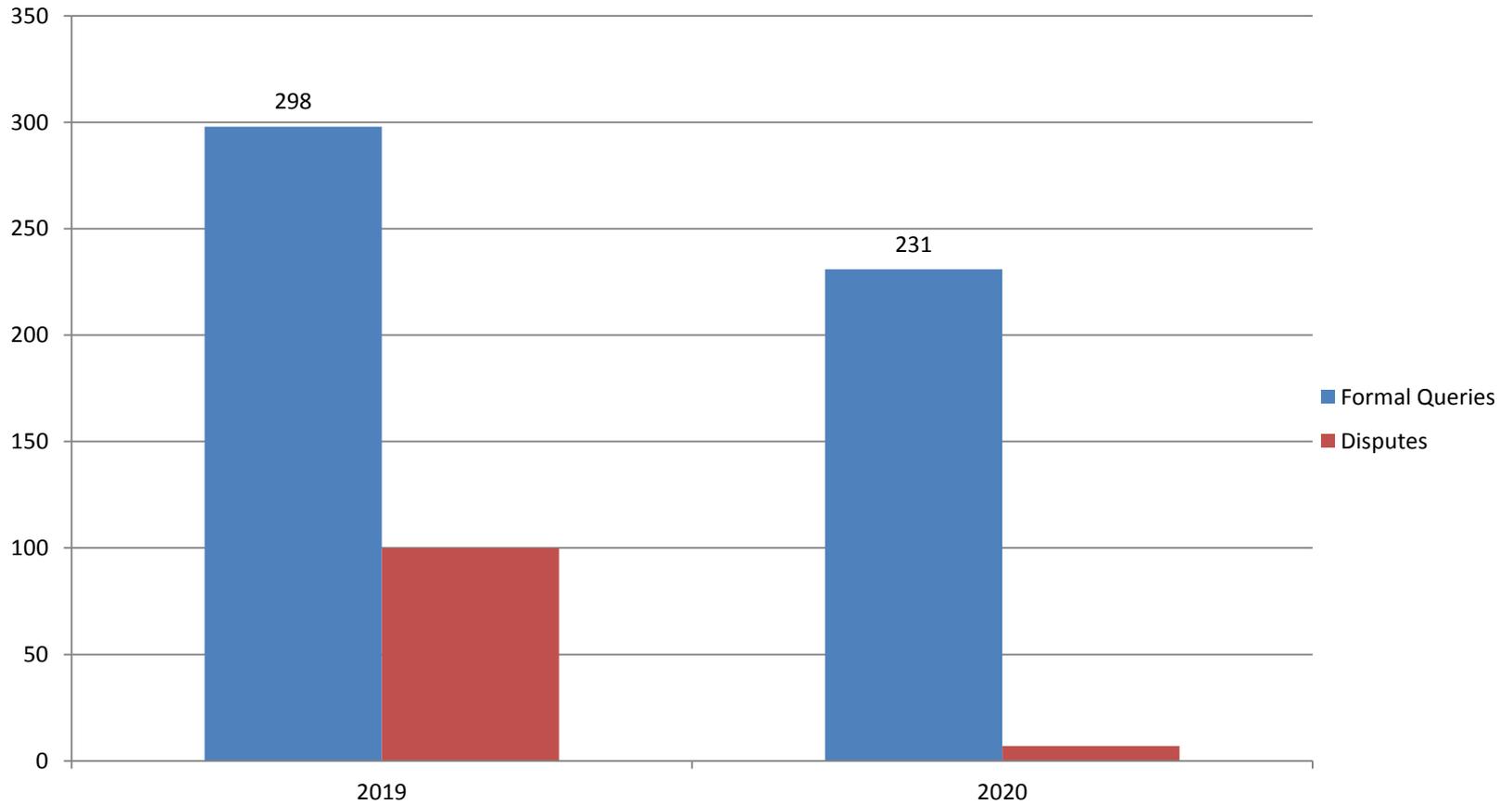
An average of 43 Queries received per week

SEMOpX General Query Overview – 2019\2020



An average of 43 Queries received per week

Formal Queries\Disputes 2019\2020



December Registration Freeze

- *There will be a registration freeze in the Balancing Market during the period **17:00 Wednesday 16th December 2020 until 09:00 Monday 4th January 2021** . No Units (generator, supplier and assetless) can be set effective during this time.*
- *The last available effective date prior to the freeze is Wednesday 16th December, and the first available effective date after the freeze will be Wednesday 6th January.*
- *The registration team remain available for Participants that have queries regarding their ongoing registrations:*
balancingmarketregistration@sem-o.com

SEMO Helpdesk Hours Over Christmas Period

The SEMO Market Helpdesk will be unavailable from 14:00 on 24th December 2020 up to 09:00 4th January 2021 with the exception of the 30th and 31st of December 2020. This includes info@sem-o.com and non-urgent phone lines.

Please see below the relevant contact details should you have a Limited Communication Failure Operational Issue:

The SEMO [LCF Hotline](#) is available 24/7 365 days a year for any emergency operational issues relating to Limited Communication Failures.

Phone: +44 (0) 28 90 707415 Email: LCF@sem-o.com

The last 9:30am Participant Call will be on the 17th December 2020 and they will recommence on the 7th of January 2021.

SEMOpX Helpdesk Hours over Christmas Period

During the Christmas period SEMOpX will remain available 24/7 for Urgent Operational Issues relating to the DAM/IDM, including ETS/M7 Availability, Connectivity issues, Password Resets etc.

Urgent Auction operational issues:

ROI: 1800 283 010

NI: 0800 008 3010

International: +353 1 668 8183

Email: marketops@ops.semopx.com

The SEMOpX non-urgent helpdesk will be unavailable from 14:00 on 24th December 2020 up to 09:00 4th January 2021 with the exception of the 30th and 31st of December 2020. This includes info@semopx.com and non-urgent phone lines (option3 & 4).

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Close

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

Thank you for your attendance.