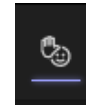
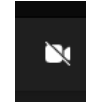


# Market Operator User Group

27<sup>th</sup> January 2022

# Housekeeping Rules

- Keep your video switched **off**
- Raise your hand if you have a question
- When asked to unmute your line



*Thank you for your cooperation*

# Agenda

Item	Presenter
<b>Welcome</b>	<b>Anne Fitzgerald</b>
Update on the SEMO CapEx spend for FY2021	Brian Sherwin / Mark Horgan
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# SEMO CapEx 1 Oct 20 – 30 Sep 21

Project Description		RA Approval SEM-21-006 FY20/21	Actual Spend FY20/21
<b>Application / System Development Capital</b>		<b>€4,163,220</b>	<b>€2,967,448</b>
1	Market System Release Capital	€4,163,220	€2,967,448
<b>Project Support Capital</b>		<b>€2,103,000</b>	<b>€1,503,492</b>
2	Release Support Capital	€2,103,000	€1,503,492
<b>ISEM Market System Infrastructure Capital</b>		<b>€1,271,000</b>	<b>€0</b>
6	Market System Data Archiving	€1,128,000	€0
16	Additional Market Environments	€143,000	€0
<b>Market Service Resilience Capital</b>		<b>€526,000</b>	<b>€223,927</b>
8	MMS Performance Enhancements	€526,000	€233,927
<b>Unpredictable CapEx</b>		<b>€200,000</b>	<b>€0</b>
<b>Total</b>		<b>€8,263,220</b>	<b>€4,694,868</b>

- **RA Approval SEM-21-006 FY20/21** – Figures as stipulated in the SEMC Decision SEM-21-006.
- **Actual Spend FY20/21** – The SEMC decision states that only projects which are completed / deployed are to be added to the RAB in that year, therefore these figures exclude assets under construction. Actual spend for FY20/21 includes Market System Releases F and G.
- The projects which were initially assumed to be deployed in FY20/21 as per the RAs decision but will now be deployed in FY21/22 are not captured in this spend.

# SEMO CapEx – FY20/21 Assets under construction

Project Description		Spend in FY20/21 – Assets under construction
<b>ISEM Market System Infrastructure Capital</b>		<b>€18,250</b>
6	Market System Data Archiving	€5,000
16	Additional Market Environments	€13,249
<b>Market Service Resilience Capital</b>		<b>€393,616</b>
8	MMS Performance Enhancements	€393,616
<b>Unpredictable CapEx</b>		<b>€87,522</b>
<b>Total</b>		<b>€499,388</b>

- **Spend in FY20/21 regarding assets under construction** – As at 30 September 2021, the above project costs were incurred by SEMO in FY20/21 regarding projects that were not yet complete as at 30 September 2021.
- The projects were originally estimated to be deployed in FY20/21. However, they are now forecast for completion in FY21/22. As such, they will be added to the RAB when deployed / completed.

# SEMO CapEx – Market System Release Capital

- **Market System Release Capital and Release Support Capital** - The following scheduled release activity was undertaken in FY2020/21:
  - Release F – deployed November 3<sup>rd</sup>, 2020. The scope for this release included four approved Modification Proposals and 94 high priority defect fixes.
  - Release G – deployed June 29<sup>th</sup>, 2021. The scope for this release included four approved Modification proposals, four Change Requests, including the enduring solution for Re-Pricing and Re-Settlement and 59 high priority defect fixes.
- Releases that were underway in FY2020/21 (Release H, H.1 and I) will be capitalised and added to the asset base once deployed in production. These releases will be covered under the FY21/22 CapEx allowances.
  - Release H was successfully deployed to Production on November 9<sup>th</sup>, 2021. This release included six Change Requests and updates to third-party software components, which were due to go End of Life (EOL) prior to Release I.
  - Release H.1 – has been scheduled to deliver an interim release containing an urgent high priority Modification Proposal Mod\_02\_21. This was accelerated in the context of Security of Supply concerns. This release was successfully deployed to Production on the evening of January 25.
  - Release I – Factory Test completed successfully prior to the Christmas break and the software has been delivered to SEMO. Testing will commence after the deployment of Release H.1 to Production.

# Assets Under Construction - Project Update

- **Market Data System Archiving –**

This project will establish a solution to deliver the requirement to provide a new archive facility which will contain all ISEM historical data. The design phase for this project has been completed and the project will be delivered over two phases.

- Phase 1 - Phase 1 is underway and we are working with our vendors on a delivery schedule and will publish this once agreed. Phase 1 includes detailed design and proof of concept.
- Phase 2 - Phase 2 (implementation) will be launched following Phase 1.

It is expected this project will complete in Q4 FY2021/22. While originally envisaged to be completed in FY2020/21, this project was pushed out due to the complexities during the initial design phase as its not a standard system and required a lot of vendor input. Progression of subsequent projects (including the SEMO website) are currently being reassessed.

- **Additional Market Environments –**

The P2 environment has been fully commissioned and there are minor elements remaining that need to be implemented (centralised cert management etc) prior to deployment; we expect deployment of these elements to be completed in Q4 FY2021/22.



# Assets under Construction - Project Update

- **MMS Performance Enhancements –**

This project was largely completed in FY2020/21. There are some outstanding tasks which are forecast to be completed in FY2021/22.

- Dual Site failover capability was implemented in FY2020/21 enhancing business continuity and disaster recovery capability.
- High performance servers have been deployed to support our Pricing and Scheduling software across our Dublin and Belfast sites. This has delivered increased computing power to our optimisation solver, significantly improving solution times and reducing the number of instances where the back-up market price has been utilised.
- Numerous performance improvements have also been deployed in conjunction with software releases and tuning of the underlying databases (required due to data retention volumes).

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# Monthly Performance Reports

- As part of the recent SEMO Price Control Decision SEM-21-073, it is the RAs' preference to streamline reporting. One suggestion proposed is for the Market Operator Performance Report to be published on a quarterly basis, rather than on a monthly basis.
- Prior to introducing this change, the RAs were keen to hear the views from the Market Participants on this proposed change.
- If you've any comments on this proposed change, please contact SEMO at [info@sem-o.com](mailto:info@sem-o.com) by the **3<sup>rd</sup> of February, 2022**.

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# Release I Program Update

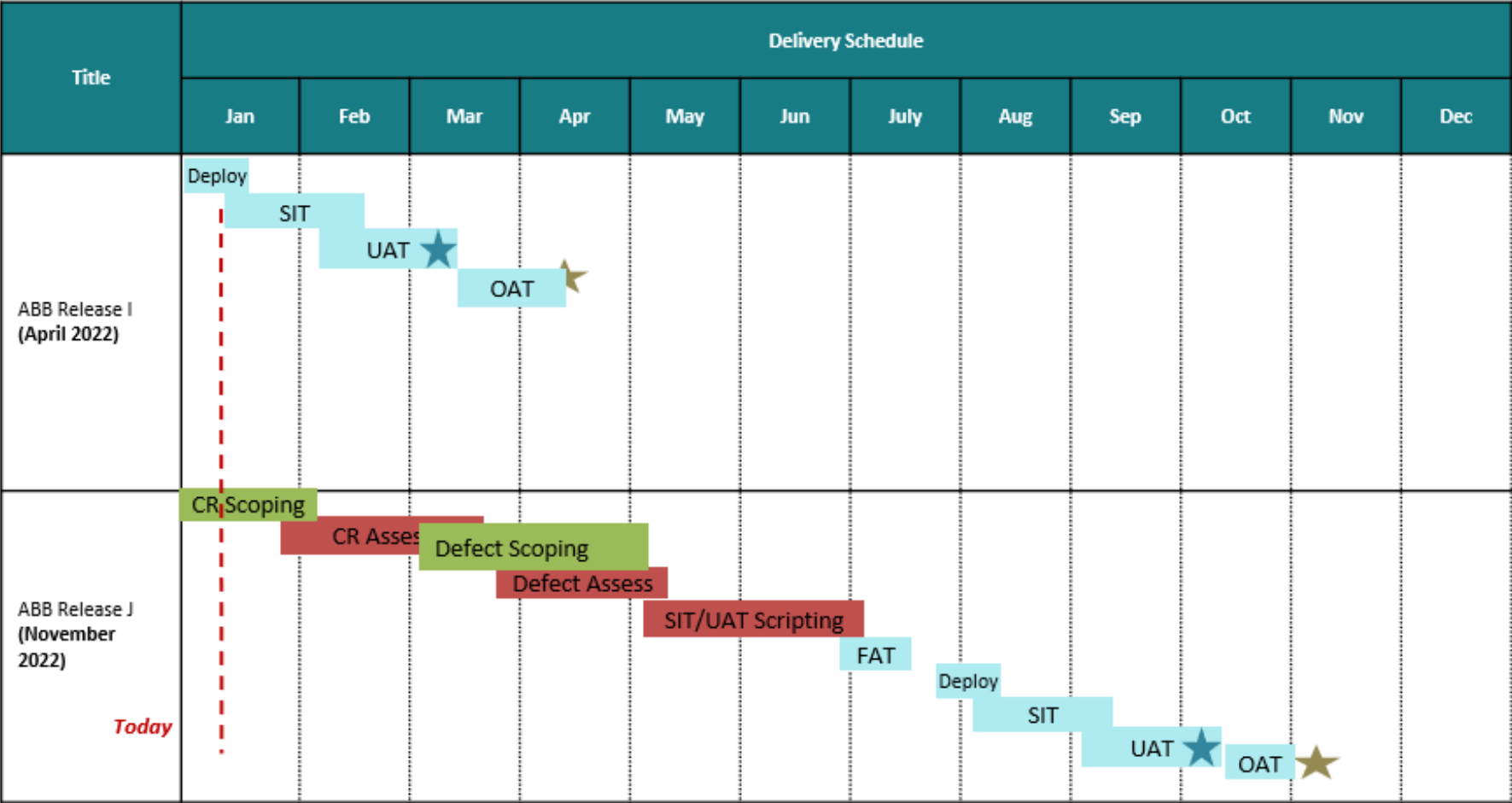
Type	Release I Summary Participant Effecting	Business Area
CR – 068	REPT 078 / 079 / 080 Completeness (Aggregated Contracted Quantities for Generation, Demand and Wind respectively )	Market Interface
CR - 237	Settlement reports to be generated for Ad Hoc Settlement run	Settlement

## Release I (Scheduled for April '22)

- 2 Participant effecting Change Requests
- Defects from Known Issues Report due for fixing in Release I published
  - During 2021 30 issues resolved. **50% reduction in known issues over the year**
- High Level Impact Assessment published (Dec '21)
- *CR- 244 (Mod\_02\_21) Setting a flag for Interconnector Action Deployed to Production in Release H.1 (Jan 25<sup>th</sup> 2022)*
- Updated ISEM Tech spec & Data Publication Guide are now published on sem-o.com (Jan 21<sup>st</sup>)



# Priority Item Delivery Plan – MMS System Delivery 2022



# Agenda

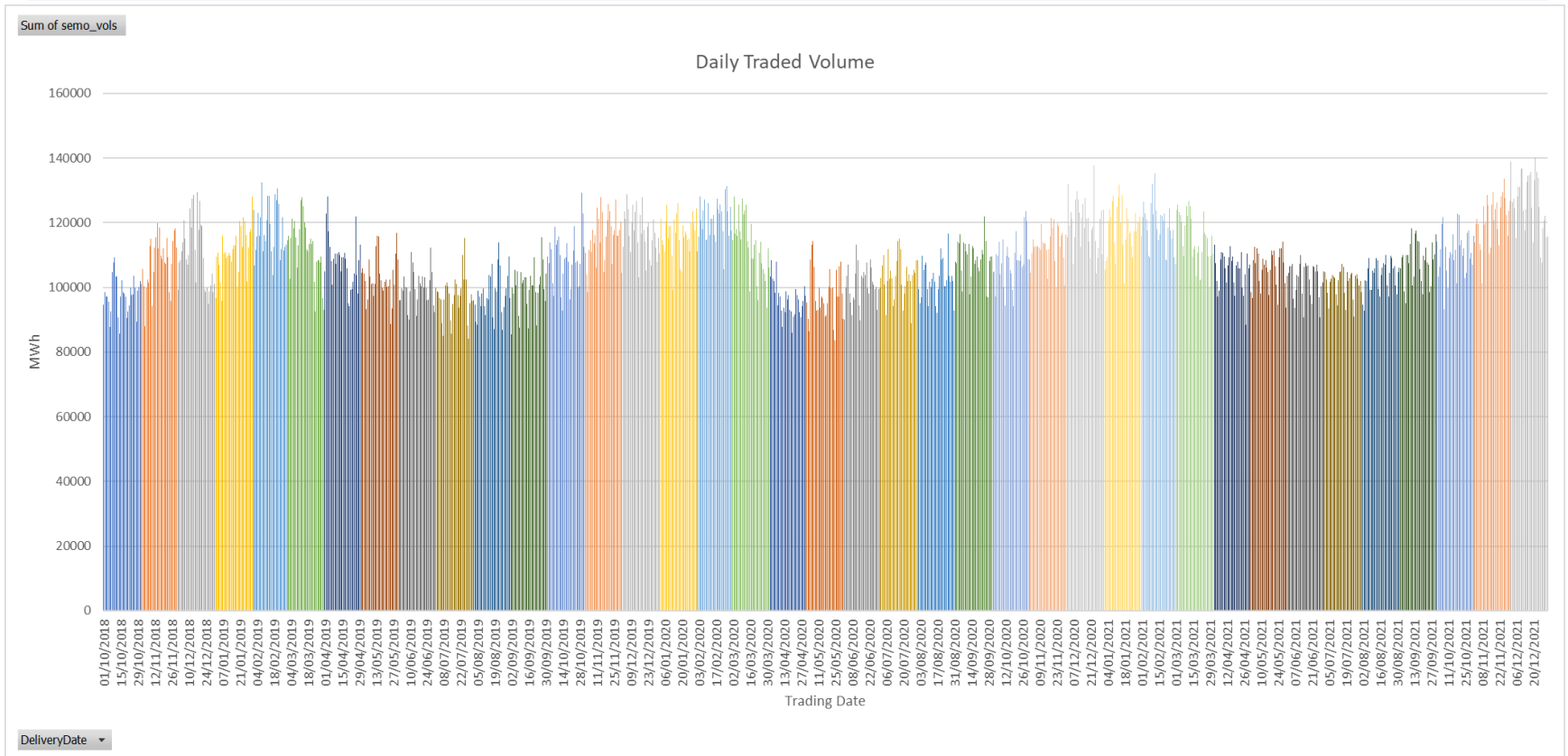
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# Ex-Ante Markets

- Ex-Ante Volumes
- Ex-Ante Prices
- Wholesale Electricity Price Trends
- Intraday Continuous Volumes

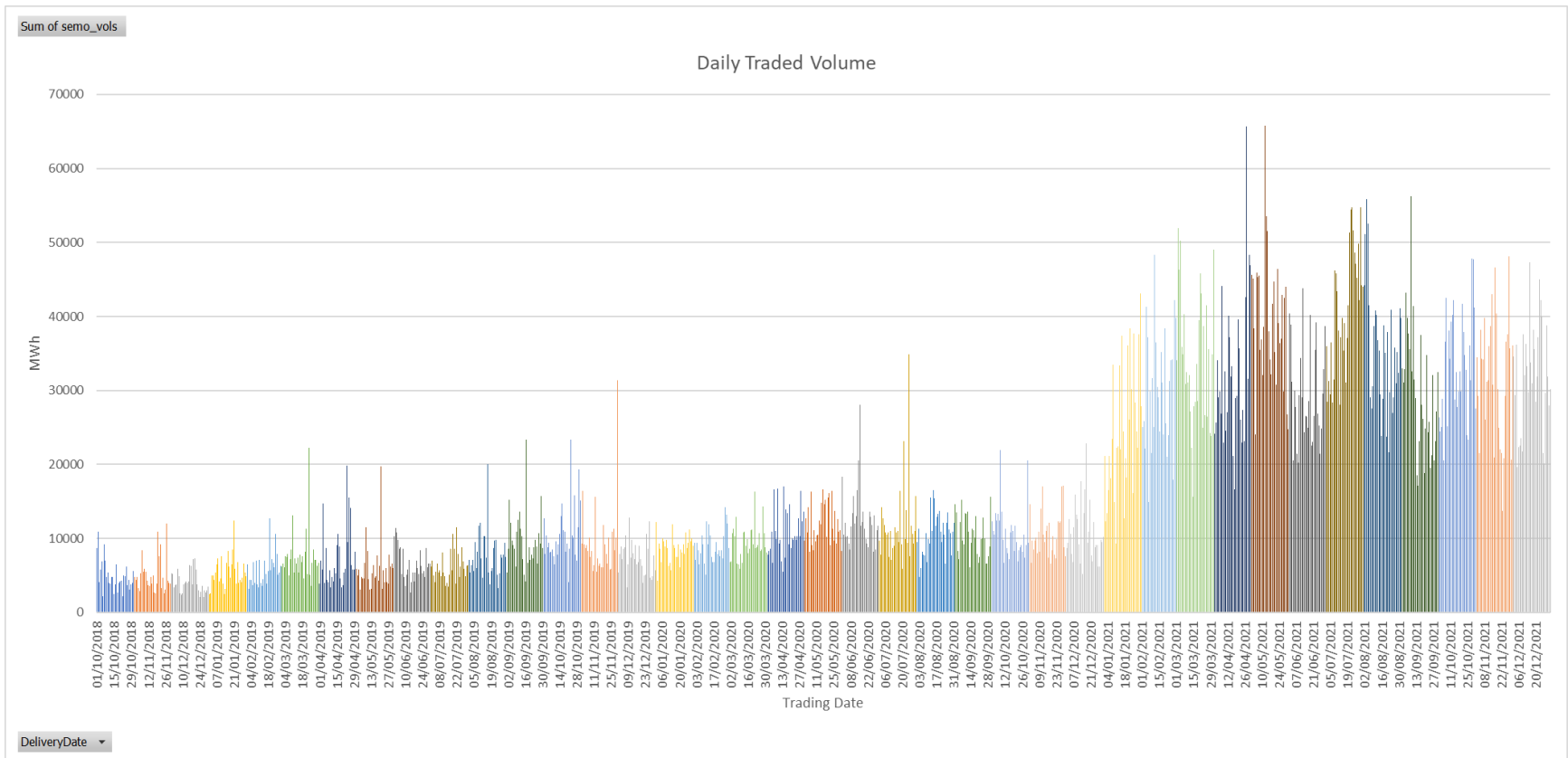


# Ex-Ante Volumes - DAM



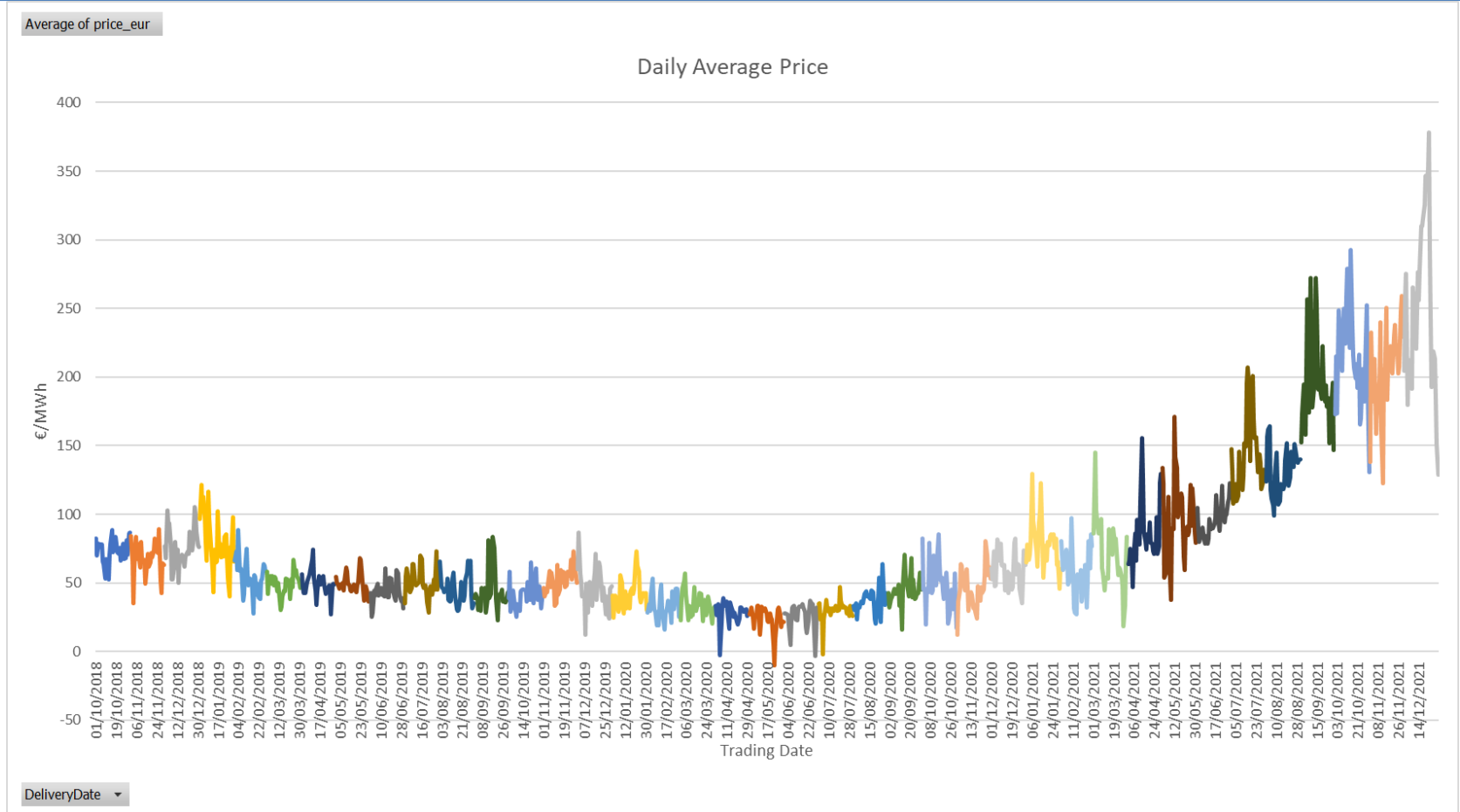
- The traded volumes in DAM sustained throughout 2021 with seasonality changes visible.
- December 21 volumes were the highest on record, partly due to winter demand but setting a new record high due to the growth in energy usage.

# Ex-Ante Volumes – IDA1



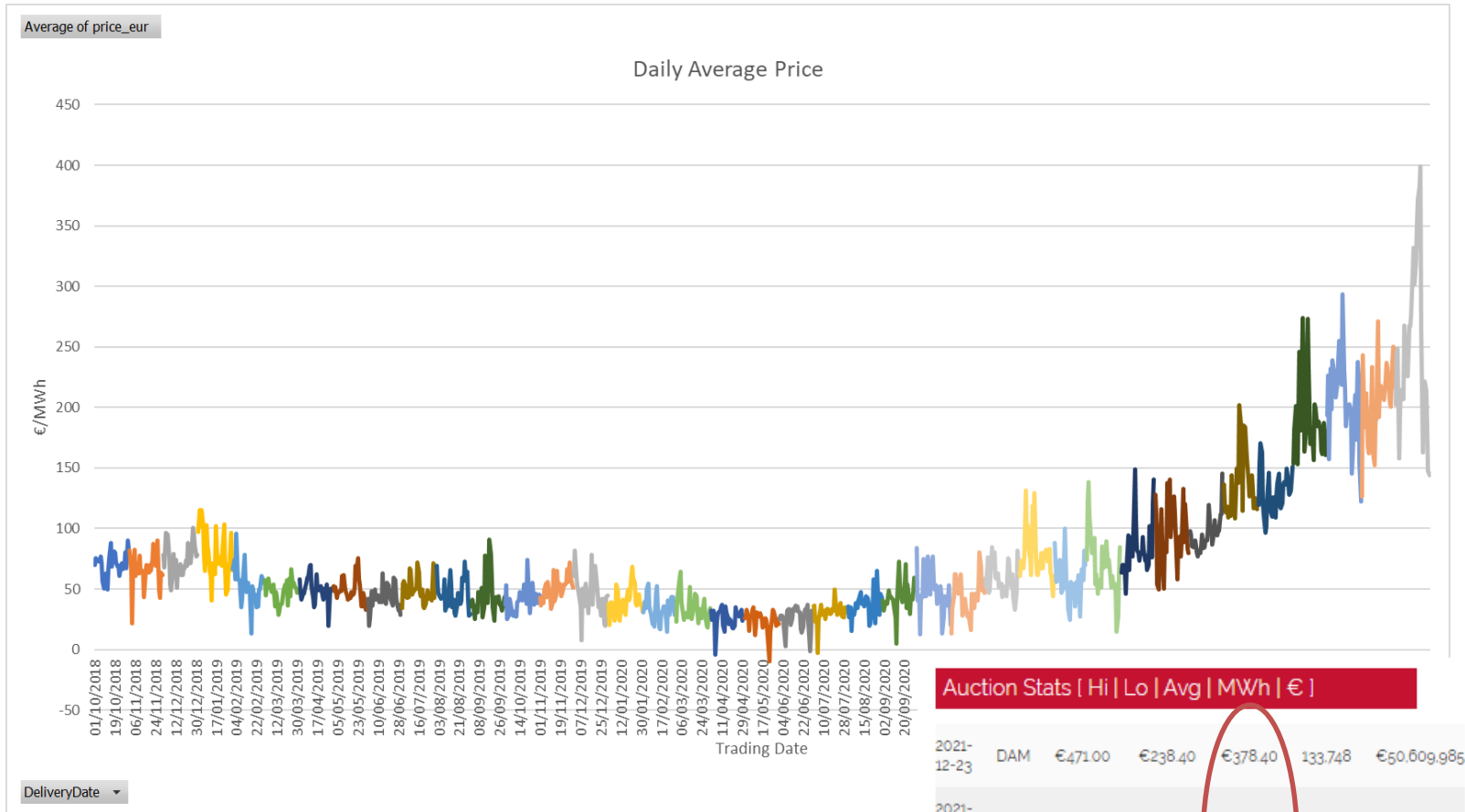
- The increase to Intraday traded volumes that was identified post Brexit sustained throughout the whole of 2021

# Ex-Ante Prices - DAM



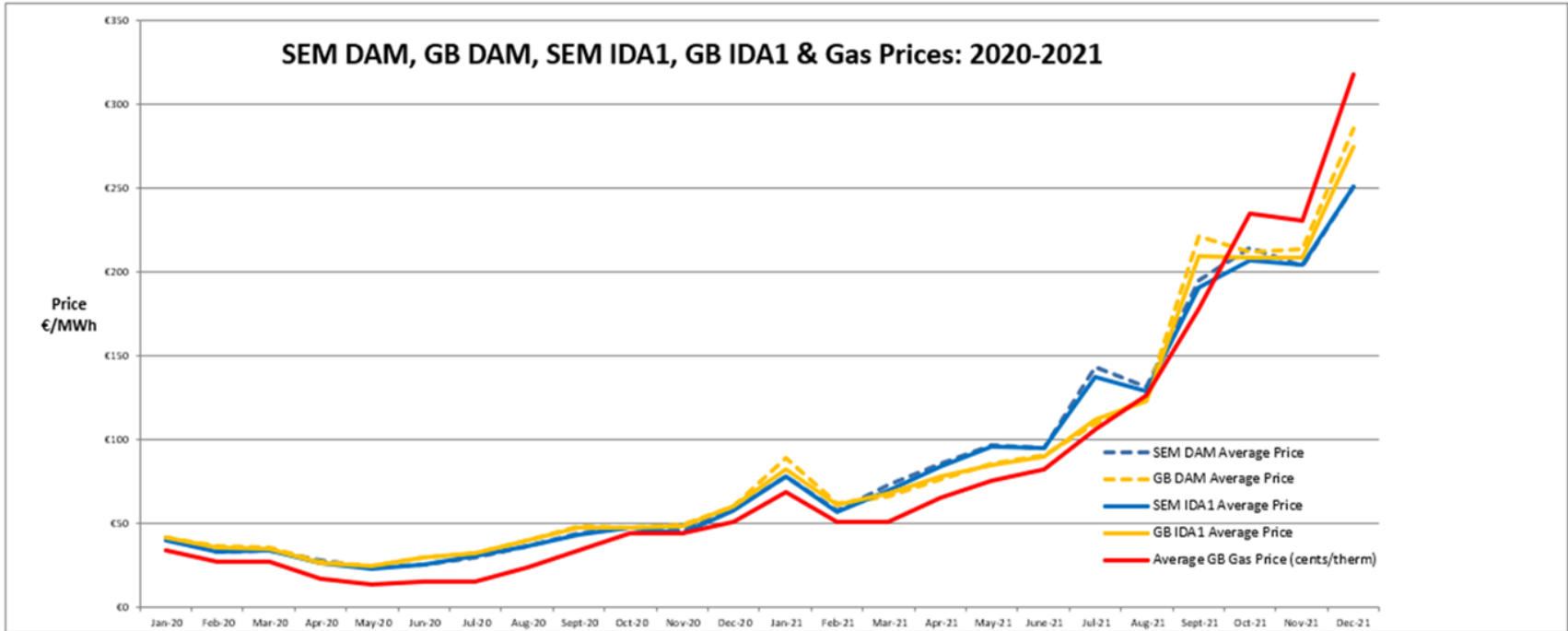
- Trend of increasing energy prices continues
- The highest priced day thus far related to 23<sup>rd</sup> December with the DAM average reaching a record high of ~€380.

# Ex-Ante Prices – IDA1



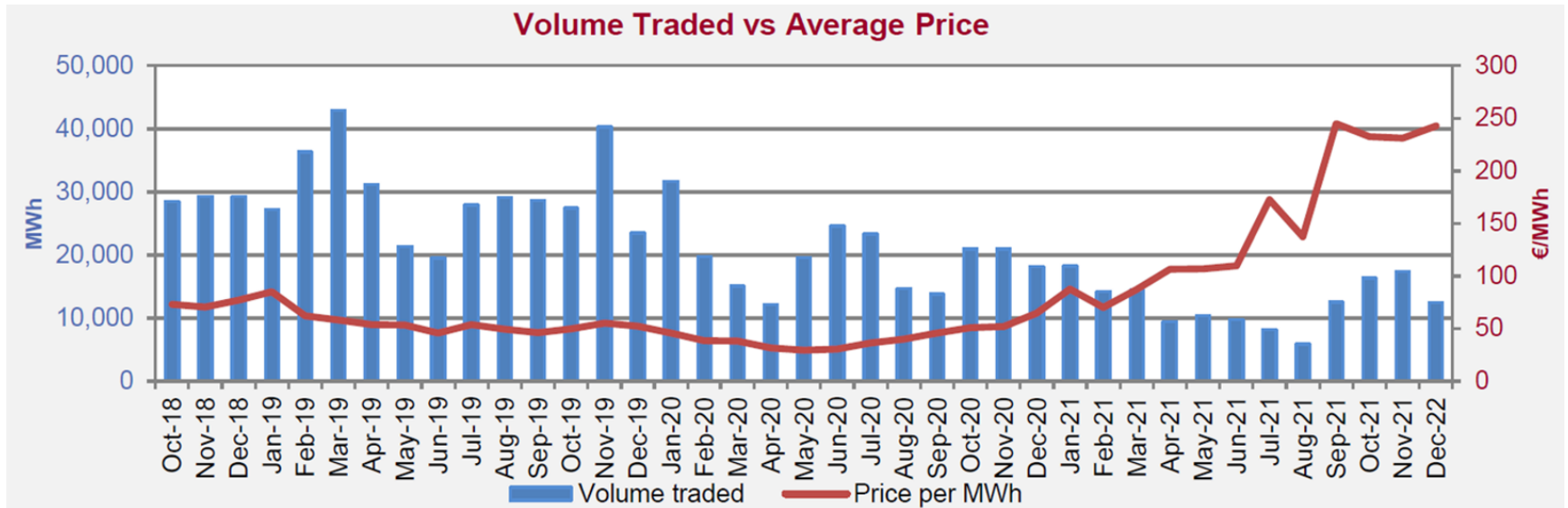
- Similar trend across the intraday prices.
- Across trade date 23<sup>rd</sup> December the high daily averages persisted.

# Wholesale Electricity Price Trends



- Trend of increasing electricity prices continues
- It is not a SEM specific trend but a European wide trend. GB is similar.
- Driven predominantly by gas price increases in Europe/Asia.

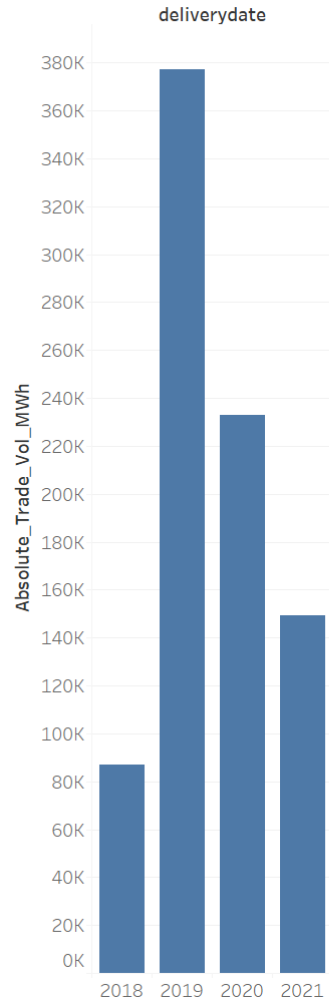
# Intraday Continuous



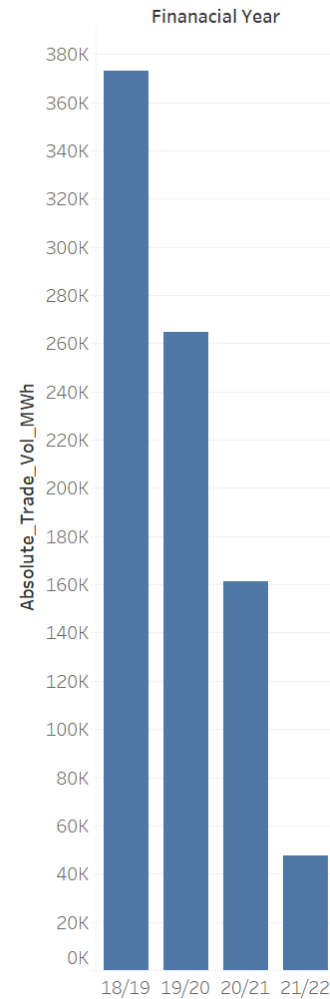
- We track the traded volumes and average prices across all markets, and as such have identified a drop in the traded volumes in IDC
- We had an all time low in Aug-21 with some recovery in more recent months, but the traded volumes are lower than previous years

# Intraday Continuous

Absolute Traded Volume MWh by Year



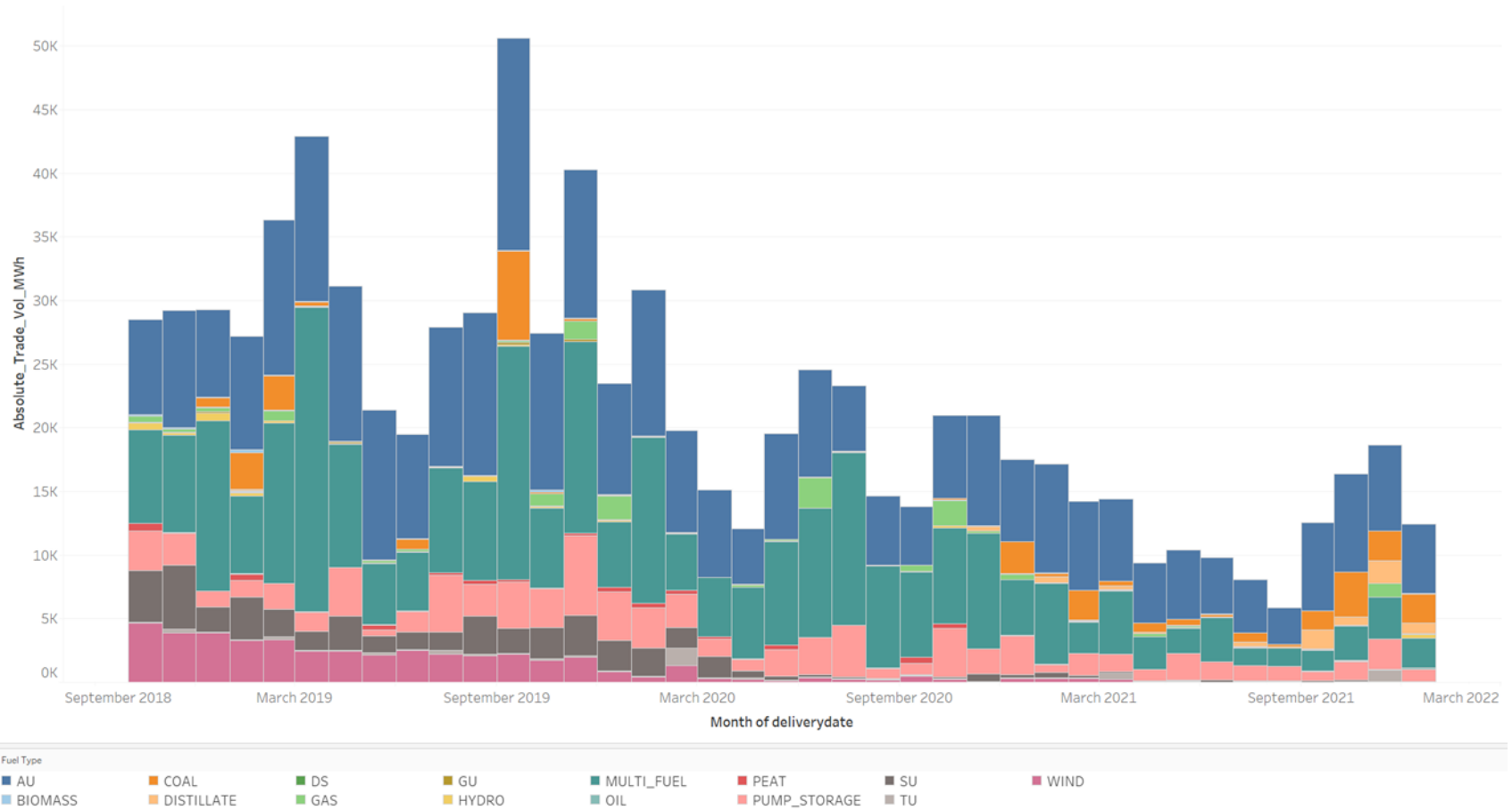
Absolute Traded Volume MWh by SEM Year



Note SEM Year 21/22 is only 3 months of data so not comparable at this time.

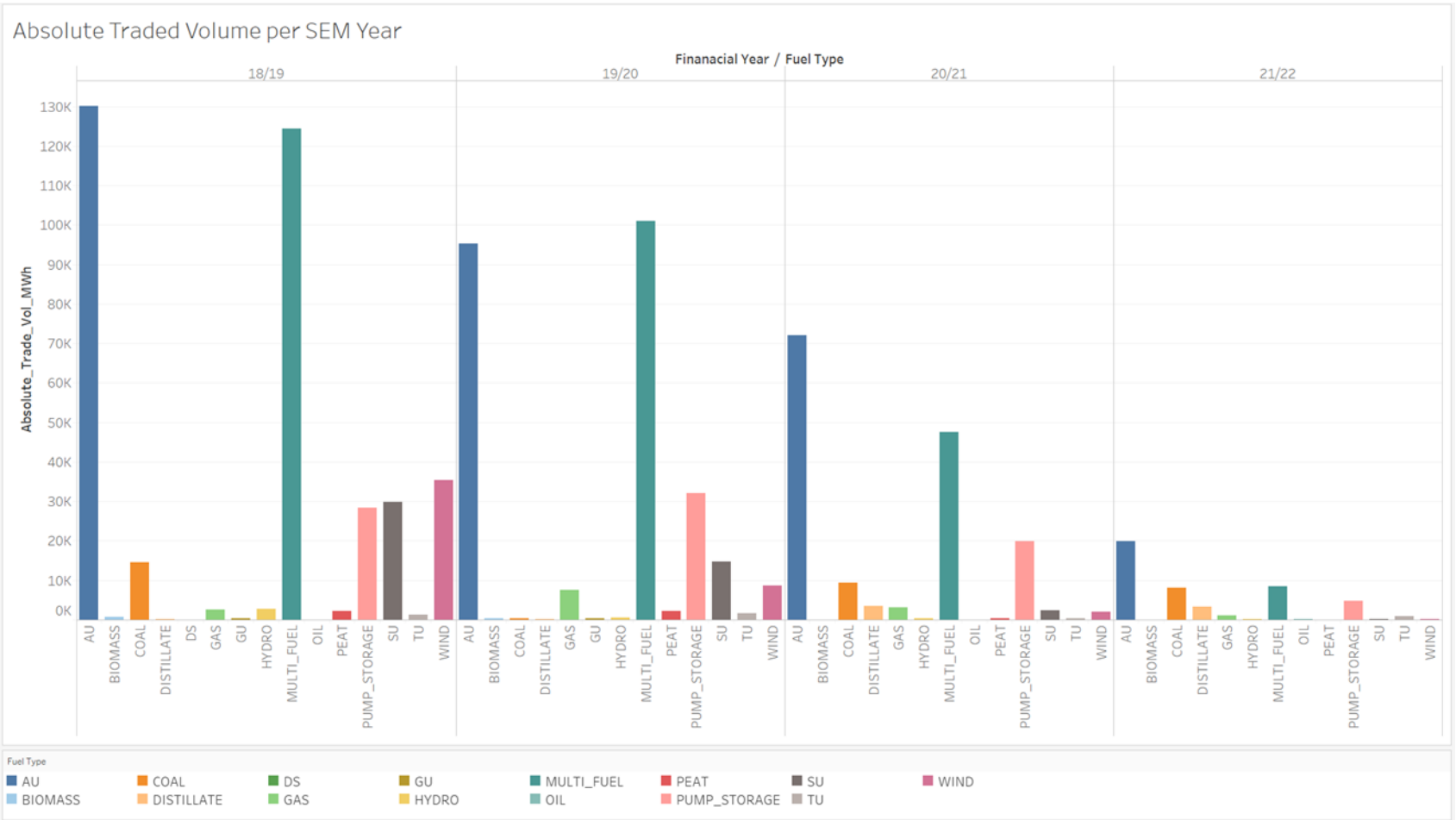
# Intraday Continuous

Absolute Traded Volume MWh by Month





# Intraday Continuous



# Intraday Continuous

We would be interested in participant's views on trading in the IDC timeframe

- Are you participating less? If so why?
  - *Forecast accuracy may have improved therefore the need to trade in this timeframe is reduced?*
  - *Wind levels have been relatively lower than previous years so the need to optimise positions may have changed?*
  - *Are there specific product changes which you would like to see?*
- If you would like to share your view we would welcome any comments to: [info@semopx.com](mailto:info@semopx.com)

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# Repricing Update

Trading Day	Imbalance Settlement Period(s)	Billing Period End Date	Manifest Error ID	Materiality Assessment	Reprice Publication Date <sup>1</sup>	Resettlement Publication Date
31/10/2020	12:00 to 20:00	31/10/2020 (Week 43)	RPC5	TBC	TBC	TBC
15/02/2021	05:30 to 19:00	20/02/2021 (Week 7)	RPC4	<a href="#">20/01/2022</a>	27/01/2022	M13
23/02/2021	13:00 to 15:30	27/02/2021 (Week 8)	RPC4	27/01/2022	03/02/2022	M13
25/02/2021	16:00 to 18:30	27/02/2021 (Week 8)	RPC4	27/01/2022	03/02/2022	M13
01/03/2021	11:00 to 12:30	06/03/2021 (Week 9)	RPC4	27/01/2022	03/02/2022	M13
04/04/2021	13:00 to 16:00	10/04/2021 (Week 15)	RPC4	03/02/2022	10/02/2022	M13
19/06/2021	08:00 to 23:00	26/06/2021 (Week 26)	RPC4	03/02/2022	10/02/2022	M13
20/06/2021	23:00 to 23:00	26/06/2021 (Week 26)	RPC4	10/02/2022	17/02/2022	M13
21/06/2021	23:00 to 17:30	26/06/2021 (Week 26)	RPC4	17/02/2022	24/02/2022	M13
14/09/2021	14:30 to 16:30	18/09/2021 (Week 37)	RPC7	TBC	TBC	TBC
05/11/2021	08:00 to 08:30	06/11/2021 (Week 44)	RPC8	TBC	TBC	TBC
	10:00 to 11:00					
	15:30 to 17:00					
05/01/2022	10:00 to 14:30	08/01/2022 (Week 1)	RPC9	24/02/2022	03/03/2022	M4

- Remaining repricing dates set out above; weekly publications scheduled from today, 27/01/2022 through to the 03/03/2022;
- Three manifest errors listed as TBC are currently being assessed; and will be scheduled as soon as the fix has been identified and delivered.

# Known Issues

## Non-Marginal Flag for Interconnector Units

- Flags are not applying correctly in instances where there is more than one SO Trade for the same 5 minute period; and the last action is marginal.
- It results in both QBOA being NM Flagged in that period.
- As of the release for Mod\_16\_21 on the 25<sup>th</sup> January 2022 this issue will not be materially impacting; as all SO Trade QBOA will be SO Flagged.

## SO Trade Volumes Not Feeding Imbalance Pricing

- Intermittent issue when some SO Trade volumes are not feeding into Imbalance Pricing for sporadic 5 minute periods;
- Issue has been raised with the vendor for analysis.

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# Data issues impacting System Operations

## 1. Submission of PNs that are outside of Real-Time availabilities submitted via EDIL, e.g.:

- PN < Lower Operating Limit (LOL)
- PN > Higher Operating Limit (HOL)
- PN within unit forbidden zone
- PN with no EDIL and/or MPI availability
- PN for retired units or units on long term outage – Default data

## 2. Failure to update MPI with revised availability (to match EDIL) Submission of invalid COD data for selected TOD set, e.g.:

- Commercial Offer Data for CCGT mode when unit is in OCGT mode

## 3. Failure to update MPI with revised availability (to match EDIL)

- Typically post tripping or during outages < 60mins after Trip
- LTS and issues planning long Term Scheduling

# Availability in EDIL

## 3.2.4. AVAILABILITY AND SYSTEM SERVICES CAPABILITY DECLARATIONS

Participants are required to submit and maintain forecast active power (MW) availability for their units with real-time updates provided as this information changes. Updates to System Service capabilities are also required from System Service providers.

Forecast availabilities submitted by Participants via the BMI are:

- a Forecast Availability Profile;
- a Forecast Minimum Output Profile; and
- a Forecast Minimum Stable Generation Profile

Requirements for these submissions are set out in Grid Codes SDC1 and TSC Part B section D.6.3 (Availability, Minimum Stable Generation and Minimum Output).

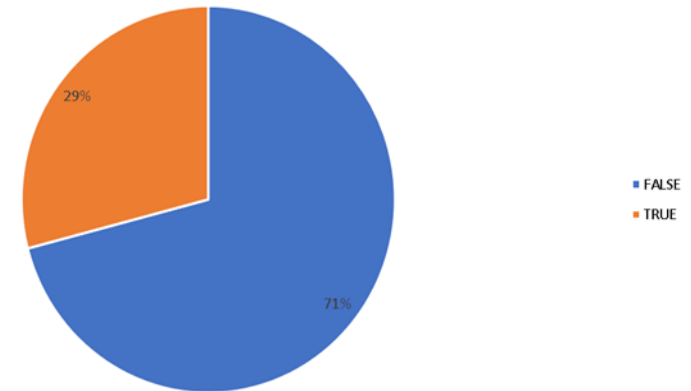
Real-time availability declarations are also provided by Participants via EDIL interface with the TSOs. Requirements for real-time availability declarations are set out in Grid Codes SDC1.

It is the responsibility of Participants to ensure that forecast availability aligns with real-time availability declarations in EDIL. For example, if a unit trips, the Participant will re-declare its availability to zero in EDIL and update the forecast availability via the BMI in line with the allowed forecast availability submission window.

Non-dispatchable wind units provide a real-time availability signal via our Energy Management System (EMS). Forecast availability for non-dispatchable wind comes from our wind forecast<sup>5</sup>.

<sup>5</sup> The approach for solar generation follows the wind model. Further information is available in the document entitled 'Wind and Solar Forecasting Methodology for Scheduling and Dispatch' published on the TSO Responsibilities page of [www.SEM-O.com](http://www.SEM-O.com).

## EDIL Availabilities >60mins after Trip Instructions

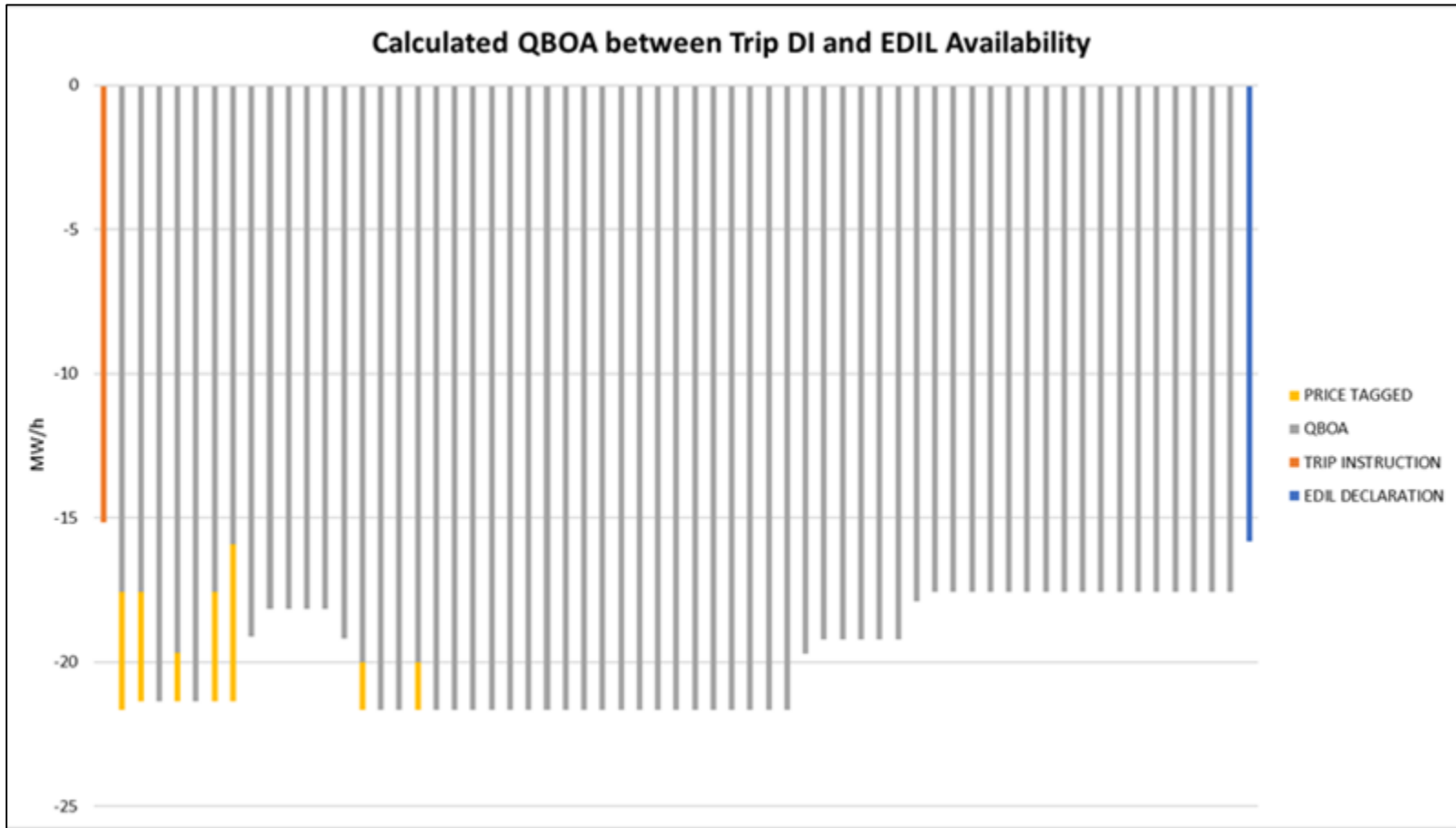


50/172 instances where EDIL was not updated within 60 mins of the Trip DI effective time

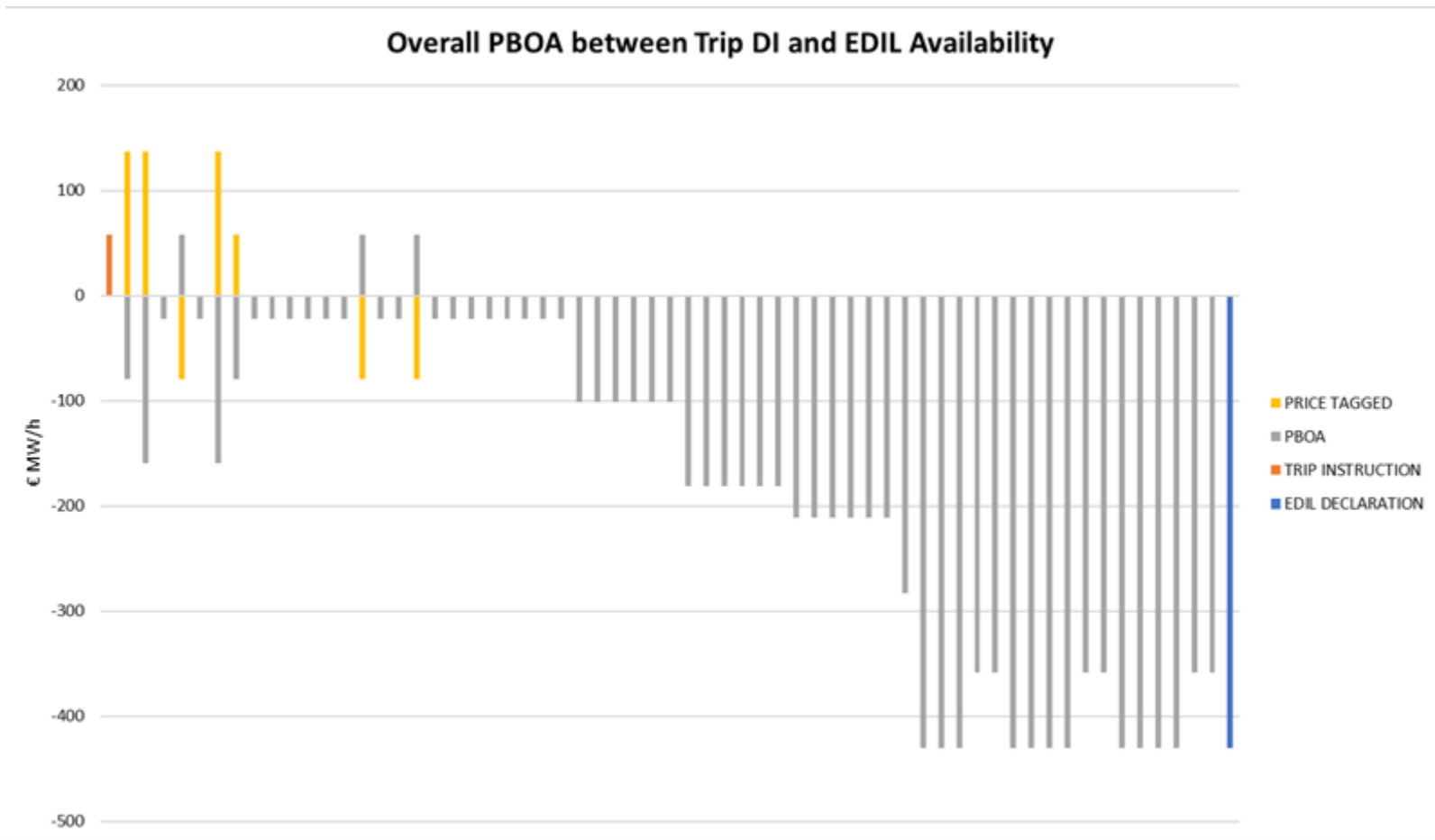
<https://www.sem-o.com/documents/general-publications/Balancing%20Market%20Principles%20Statement%20V5.0>



# Impact to the Market



# Impact to the Market



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# ETS Releases

Version	Content	Client	Impact	Timeline
V3.6	<ul style="list-style-type: none"><li>• Finalization of scoping in progress</li><li>• Scalable Complex Orders</li></ul>			Q2/Q3 2022
V3.7	<ul style="list-style-type: none"><li>• TBC</li></ul>			TBD

# ETS Maintenance Windows

Date & time	Impact	Reason	Communication
08/02/2022	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)
08/03/2022 TBC	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)
12/04/2022 TBC	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)

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

# M7 Releases

Version	Content	Impact	Timeline
V6.12	Release notes / Impact to be sent.	<ul style="list-style-type: none"><li>• Load management</li><li>• TC Reports – New File Format &amp; New File Names</li></ul>	Q2 2022
V6.13	Release notes / Impact to be sent.	No information yet	Q4 2022

# M7 Maintenance Windows

Date & time	Impact	Reason	Communication
25/01/2022	Maintenance	DBAG / EPEX	M7 chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)
08/02/2022 TBC	Maintenance		M7 chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)
08/03/2022 TBC	Maintenance		M7 chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)
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\*Regular maintenance: Between 18:40 and 21:15 IST every 2<sup>nd</sup> Tuesday of the Month.

# SEMOpX Updates

- [ETS API Security Updates](#): Old cipher suites decommissioning
  - **31<sup>st</sup> January 2022** in SIMU2
  - **End of Feb 2022** in SIMU1 and PROD (exact date will be confirmed in a separate communication)
- [M7 Password Expiration Policy](#): With the activation of the new M7 password expiration, each user password must be changed every 90 days, no matter if the user has been active or not during this period.
  - The initial 90 days period started as of 9th November, 2021 (M7 version 6.11) and will restart at each user password change.
  - This change is applicable for all types of users (Trader / Back Office / Report / API / API Team User) in production only (not in simulation environments).
  - Members are reminded to change their password before the **8th February 2022**.



# SEMOpX Updates

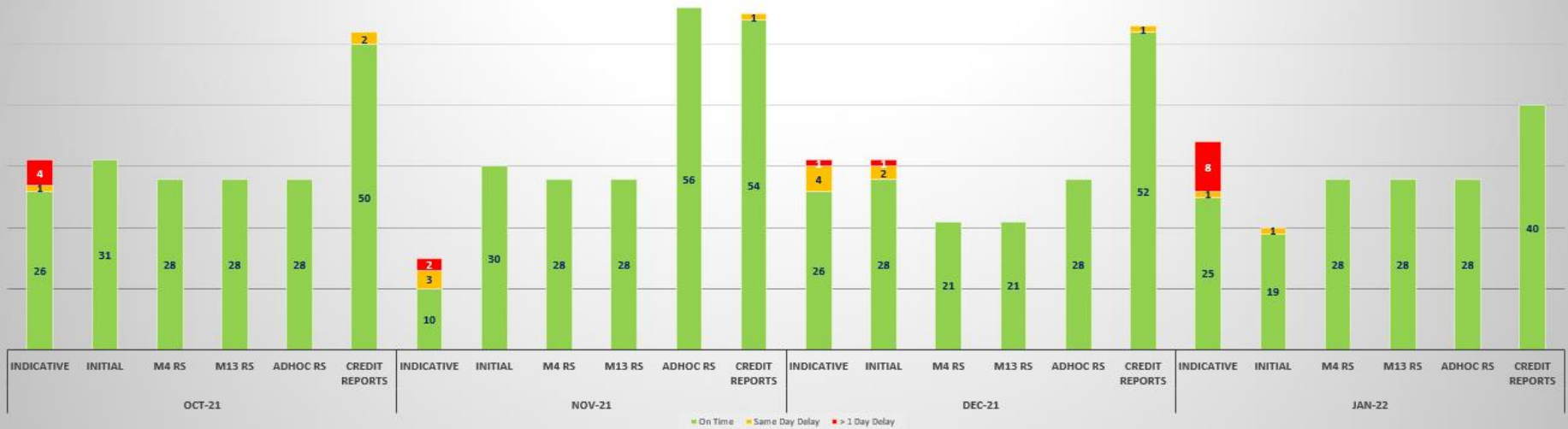
- Scalable Complex Orders Project:
  - Members are reminded to review the SCO ETS Technical Specifications and provide feedback or queries to [info@semopx.com](mailto:info@semopx.com) by **28<sup>th</sup> January, 2022**.
- REMIT Auction Files Issue:
  - Day Ahead REMIT contracts only (IntraDay 1, 2 and 3 excluded) – empty files or partially empty files identified for trade date range *15<sup>th</sup> December 2021 to 16<sup>th</sup> January 2022*.
  - A fix has been deployed with all excluded contract data now available within the REMIT files for each impacted trade date.
- IDC TradeFile & Order Files – New Format :
  - File Format and File Name Change of both files will be changing in **Q2 2022**.
  - Sample files and change details will be issued out to members in the coming weeks.

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SEM Release I - CR-237 resettlement reporting changes	Deirdre Hughes
SO Update	Emma Morris
Market Interface Update	Claire Breslin
Q&A	

# Settlement publications & timelines: Oct 2021– Jan 2022 (to date)

Settlements publications: Indicative, Initial, Resettlement (RS) and Credit reports



## Oct 2021

- **191** settlement publications on time
- 5 Indicative delays due to MDP data delay (3), settlements calculation re-run of strike price process (1) and systems issues (1)
- **2021-2022** rates updated for the new tariff year

## Nov 2021

- **216** settlement publications on time
- 5 Indicative delays due to MDP data delay (2), CIM Load impact (1) and **KIR ID #244,933** – “Bill case performance for last day of billing period” (2)

## Dec 2021

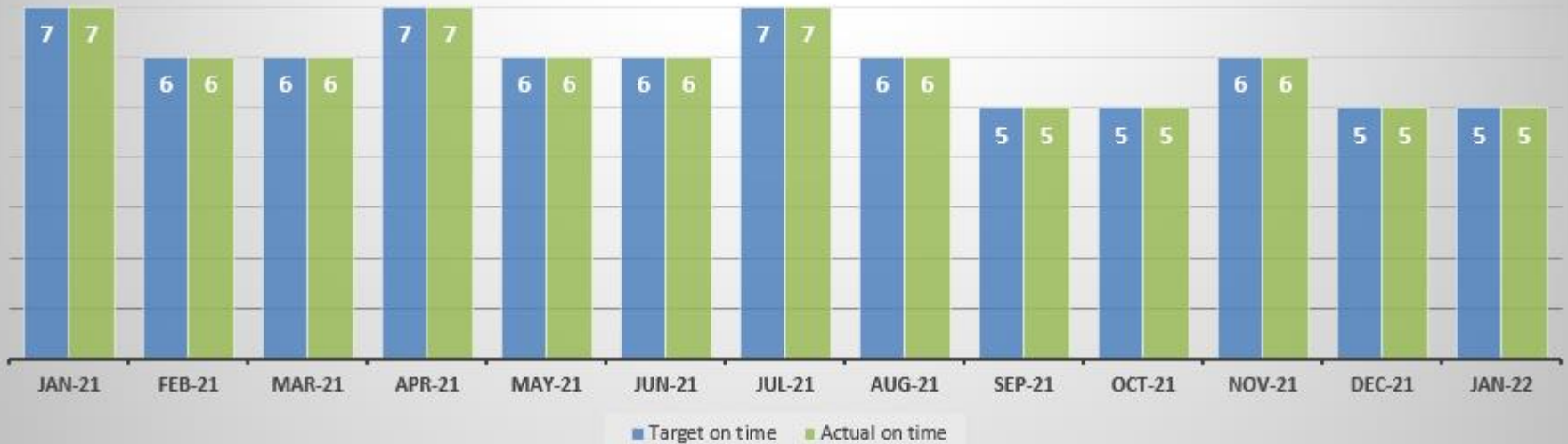
- **176** settlement publications on time
- 5 Indicative delays due to **KIR ID #244,933** – “Bill case performance for last day of billing period” (5)
- 3 Initial delays due to additional analysis (1) & MDP data delay (2)

## Jan 2022 to date (25<sup>th</sup>)

- **119** settlement publications on time
- 8 Indicative delays due to **KIR ID #244,933** (5), MDP Data delays (2) and systems issue (1)
- Initial delay due to additional analysis required (1)

## Settlement Documents publications & timelines: Jan '2021–Jan '2022

Settlement Documents : Jan '21 - Jan '22 (BALIMB,Capacity and MO Invoicing)



### Settlement Document updates:

- 77 Settlement Documents published on time between Jan 2021 and Jan 2022 (includes BALIMB, Capacity and MO Invoices)

# Ad hoc resettlement: Status update January 2022

## Scheduled Ad hoc resettlement completed to date – 1<sup>st</sup> iteration

Calendar Month	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
M+4 Month (s)	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
M+13 Month	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Adhoc Iteration 1:	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19

### Ad hoc summary : Mar-21 to Jan-22

- Ad hoc iteration 1 resettlement is up to the 31/08/2019 . **48** weeks / billing periods processed and published to date.
- **16** weeks of Ad hoc resettlement were processed in Oct-Dec 2021.
- **7** re-pricing trade dates included in ad hoc resettlement across July & August 2019 ad hoc resettlement.
- There are **69** weeks left to process in Ad hoc Iteration 1 . As per market message issued Jan 25th, 2022, Ad hoc iteration 1 resettlement will be extended beyond the original timeline of May 2020 to November 2020. This extension has been caused due to two formal settlement queries being upheld.
- There are **39** weeks to date to process in the Ad hoc iteration 2 . This includes outstanding formal queries which are now ready for resettlement since Releases F, G and H have been deployed.

# Ad hoc resettlement: Status update Jan 2022

## Ad hoc Iterations 1 & 2 – Completed and yet to process:

Year	2018																																																				2019																																																				2020																																																			
Week	348	401	412	423	434	445	456	467	478	489	501	512	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52																																																																																												
Adhoc Iteration 1	Green																																																				Green																																																				Red																																																			
Adhoc Iteration 2	Red																																																				Red																																																				Red																																																			

**Cells in Red are adhoc weeks left to process**

**Cells in Green are settlements runs that have been issued**

## Ad hoc Iterations 1 & 2 – Proposed processing approach:

Calendar Month	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
M+4 Month (s)	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
M+13 Month	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
Adhoc Iteration 1:	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	N/A	N/A	N/A
Adhoc Iteration 2:	Oct-18		Nov-18		Dec-18		Jan-19		Feb-19		Mar-19		Apr-19		May-19		Jun-19 to July-19	

- Ad hoc iteration 2 will be processed in parallel to Adhoc iteration 1, processing target of 4 weeks of AH1 and 2 weeks of AH2 per 4-week period
- It can up to 3 days of systems, processing and analysis time to complete one week of ad hoc resettlement

# Settlement Documents to issue, Jan 28<sup>th</sup> 2022

Settlement Document Friday 28th
INITIAL BALIMB – (16/01/22-22/01/22) – Week 03 2022
M+4 BALIMB – (26/09/21-02/10/21) – Week 39 2021
M+13 BALIMB – (27/12/20-02/01/21) – Week 52 2020
Ad-Hoc BALIMB – (01/09/19-07/09/19) – Week 35 2019
M4 CRM – Sep 2020

<https://www.sem-o.com/market-data/settlement-calendar/>

# Agenda

Item	Presenter
Welcome	Anne Fitzgerald
Update on the SEMO CapEx spend for FY2021	Brian Sherwin / Mark Horgan
The SEMO Performance Reports	Deirdre Corbett
Release Program Update	Eamon Garrigan
Ex-Ante Markets	David Beirne
Repricing Update	Michael Atcheson
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<b>E</b> Q&A	



# SEM Release I - CR-237 resettlement reporting changes

The change request is broadening the scope and extra benefit of having Resettlement reports for M4, M13 and Ad-Hoc available to Participants.

- What's to be included:
  - Energy Market Financial Publication report type: EF
  - Energy Market Information report type: EI
  - Capacity Market Financials report type: CF
  - Capacity Market Information report type: CI
  - Metered Generation Information Report type: MI
  - Metered Volumes by Jurisdiction Report type: MJ
  - PUB Daily Meter Data: Public
- Available along with all other resettlement reports for billing week period by 17:00 on a Thursday
- The updated ISEM Technical Specification and Data Publication Guide is now available
- Sample reports will be available in mid March with the expectation of going live mid April

# CR-237 Resettlement BALIMB reporting

Report	Report Type	Run Type	Report #	Pre CR237	Post CR237
Energy Market Financial Publication	EF	Indicative	REPT_055	X	X
		Initial	REPT_056	X	X
		M+4	REPT_104		X
		M+13	REPT_105		X
		Ad-hoc	REPT_106		X
Energy Market Information Publication	EI	Indicative	REPT_057	X	X
		Initial	REPT_058	X	X
		M+4	REPT_107		X
		M+13	REPT_108		X
		Ad-hoc	REPT_109		X

<a href="#">EI_PT_ALL_20200111_20211207_BALIMB_AH_20211207T150418</a> <a href="#">EI_PT_ALL_20200111_20211207_BALIMB_INDIC_20211207T145027</a> <a href="#">EI_PT_ALL_20200111_20211207_BALIMB_INIT_20211207T145343</a> <a href="#">EI_PT_ALL_20200111_20211207_BALIMB_M4_20211207T145700</a> <a href="#">EI_PT_ALL_20200111_20211207_BALIMB_M13_20211207T150119</a>	<a href="#">EF_PT_ALL_20200111_20211207_BALIMB_AH_20211207T143123</a> <a href="#">EF_PT_ALL_20200111_20211207_BALIMB_INDIC_20211207T142806</a> <a href="#">EF_PT_ALL_20200111_20211207_BALIMB_INIT_20211207T142858</a> <a href="#">EF_PT_ALL_20200111_20211207_BALIMB_M4_20211207T142940</a> <a href="#">EF_PT_ALL_20200111_20211207_BALIMB_M13_20211207T143031</a>
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MPI  
DETAILS

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XML  
Tag

# CR-237 Resettlement Capacity reporting

Report	Report Type	Run Type	Report #	Pre CR237	Post CR237
Capacity Market Financial Publication	CF	Indicative	REPT_059	X	X
		Initial	REPT_060	X	X
		M+4	REPT_110		X
		M+13	REPT_111		X
		Ad-hoc	REPT_112		X
Capacity Market Information Publication	CI	Indicative	REPT_061	X	X
		Initial	REPT_062	X	X
		M+4	REPT_113		X
		M+13	REPT_114		X
		Ad-hoc	REPT_115		X

CF_PT_ALL_20200111_20211207_CRM_AH_20211207T151429	CI_PT_ALL_20200111_20211207_CRM_AH_20211207T152249	} MPI DETAILS
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CF_PT_ALL_20200111_20211207_CRM_INIT_20211207T151225	CI_PT_ALL_20200111_20211207_CRM_INIT_20211207T152032	
CF_PT_ALL_20200111_20211207_CRM_M4_20211207T151316	CI_PT_ALL_20200111_20211207_CRM_M4_20211207T152119	
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MPI  
DETAILS

XML  
Tag

# CR-237 Resettlement Metering reporting

Report	Report Type	Run Type	Report #	Pre CR237	Post CR237
Metered Generation Information Publication	MI	Indicative	REPT_063	X	X
		Initial	REPT_064	X	X
		M+4	REPT_116		X
		M+13	REPT_117		X
		Ad-hoc	REPT_118		X
Metered Volumes by Jurisdiction	MJ	Indicative		X	X
		Initial		X	X
		M+4	REPT_066		X
		M+13			X
		Ad-hoc			X

MI_PT_ALL_20200111_20211207_BALIMB_AH_20211207T153114	MJ_GP_ALL_20200111_20211207_BALIMB_AH_20211207T153806
MI_PT_ALL_20200111_20211207_BALIMB_INDIC_20211207T152758	MJ_GP_ALL_20200111_20211207_BALIMB_INDIC_20211207T153533
MI_PT_ALL_20200111_20211207_BALIMB_INIT_20211207T152848	MJ_GP_ALL_20200111_20211207_BALIMB_INIT_20211207T153609
MI_PT_ALL_20200111_20211207_BALIMB_M4_20211207T152942	MJ_GP_ALL_20200111_20211207_BALIMB_M4_20211207T153650
MI_PT_ALL_20200111_20211207_BALIMB_M13_20211207T153027	MJ_GP_ALL_20200111_20211207_BALIMB_M13_20211207T153730

MPI DETAILS

```

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- <REPORT xmlns:xs="http://www.w3.org/2001/XMLSchema">
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  - <REPORT_DETAIL>

```

XML Tag

# CR-237 Resettlement Metering reporting

Report	Run Type	Pre CR237	Post CR237
PUB_Daily Meter Data TD-1 (Public)	Indicative	X	X
PUB_Daily Meter Data TD-5 (Public)	Initial	X	X
PUB_Daily Meter Data M+4 (Public)	M+4		X
PUB_Daily Meter Data M+13 (Public)	M+13		X
PUB_Daily Meter Data Adhoc (Public)	Ad-hoc		X

## Report List

#	Report Name	Description	File Name	File Type	Action
1	PUB_DailyMeterDataM4	Weekly Meter Data M+4(PUBLIC)	PUB_DailyMeterDataM4_202109050000.html	HTML	
2	PUB_DailyMeterDataM4	Weekly Meter Data M+4(PUBLIC)	PUB_DailyMeterDataM4_202109050000.xml	XML	
1	PUB_DailyMeterDataM13	Weekly Meter Data M+13(PUBLIC)	PUB_DailyMeterDataM13_202011290000.html	HTML	
2	PUB_DailyMeterDataM13	Weekly Meter Data M+13(PUBLIC)	PUB_DailyMeterDataM13_202011290000.xml	XML	
1	PUB_DailyMeterDataAdhoc	Daily Meter Data Adhoc(PUBLIC)	PUB_DailyMeterDataAdhoc_202112050000.html	HTML	
2	PUB_DailyMeterDataAdhoc	Daily Meter Data Adhoc(PUBLIC)	PUB_DailyMeterDataAdhoc_202112050000.xml	XML	

MPI  
DETAILS

```
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```

```
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XML  
Tag

# Agenda

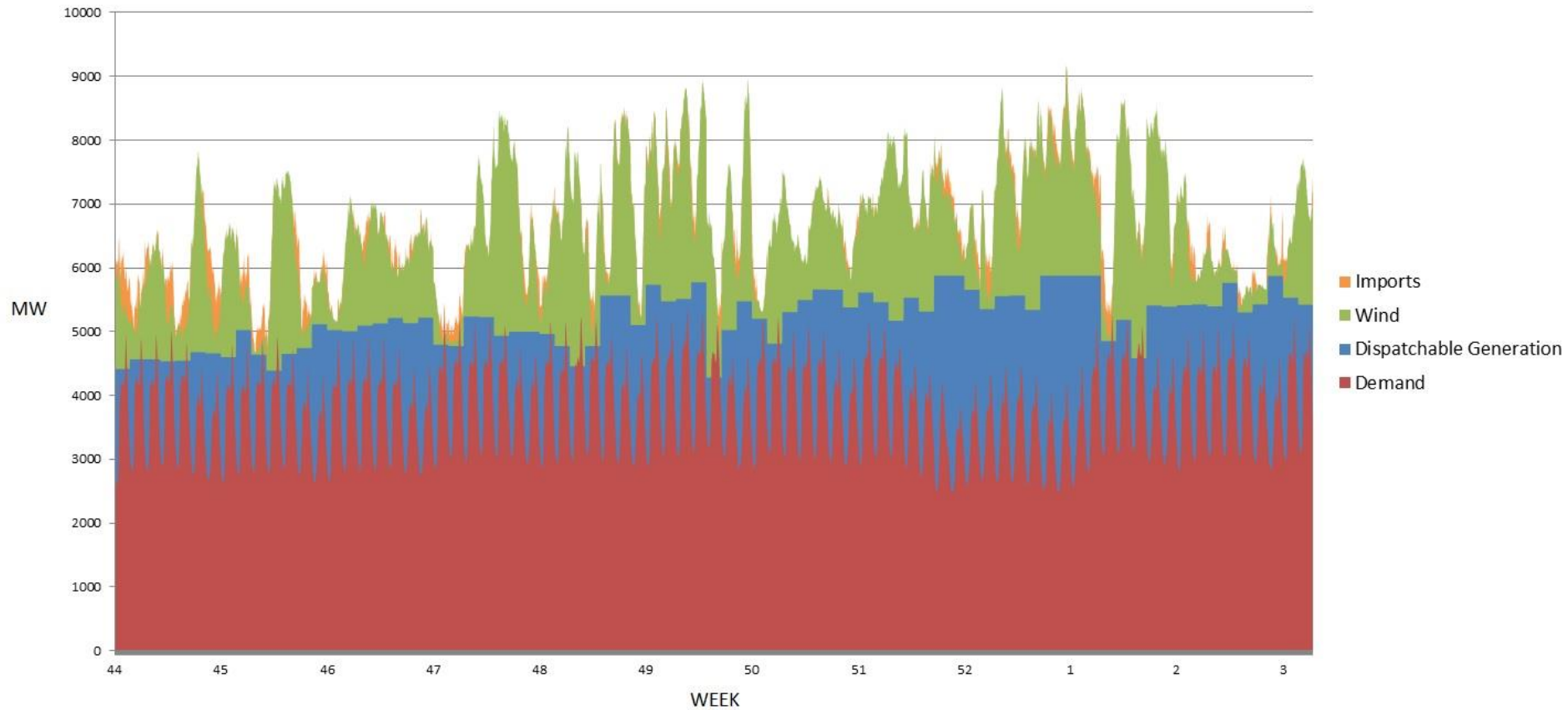
Item	Presenter
Welcome	Anne Fitzgerald
Update on the SEMO CapEx spend for FY2021	Brian Sherwin / Mark Horgan
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<b>SO Update</b>	<b>Emma Morris</b>
Market Interface Update	Claire Breslin
Q&A	

# System Operations Update

- Generation Capacity Nov-Jan
- Outlook to April 2022
- Key takeaways

# Ireland Generation Capacity

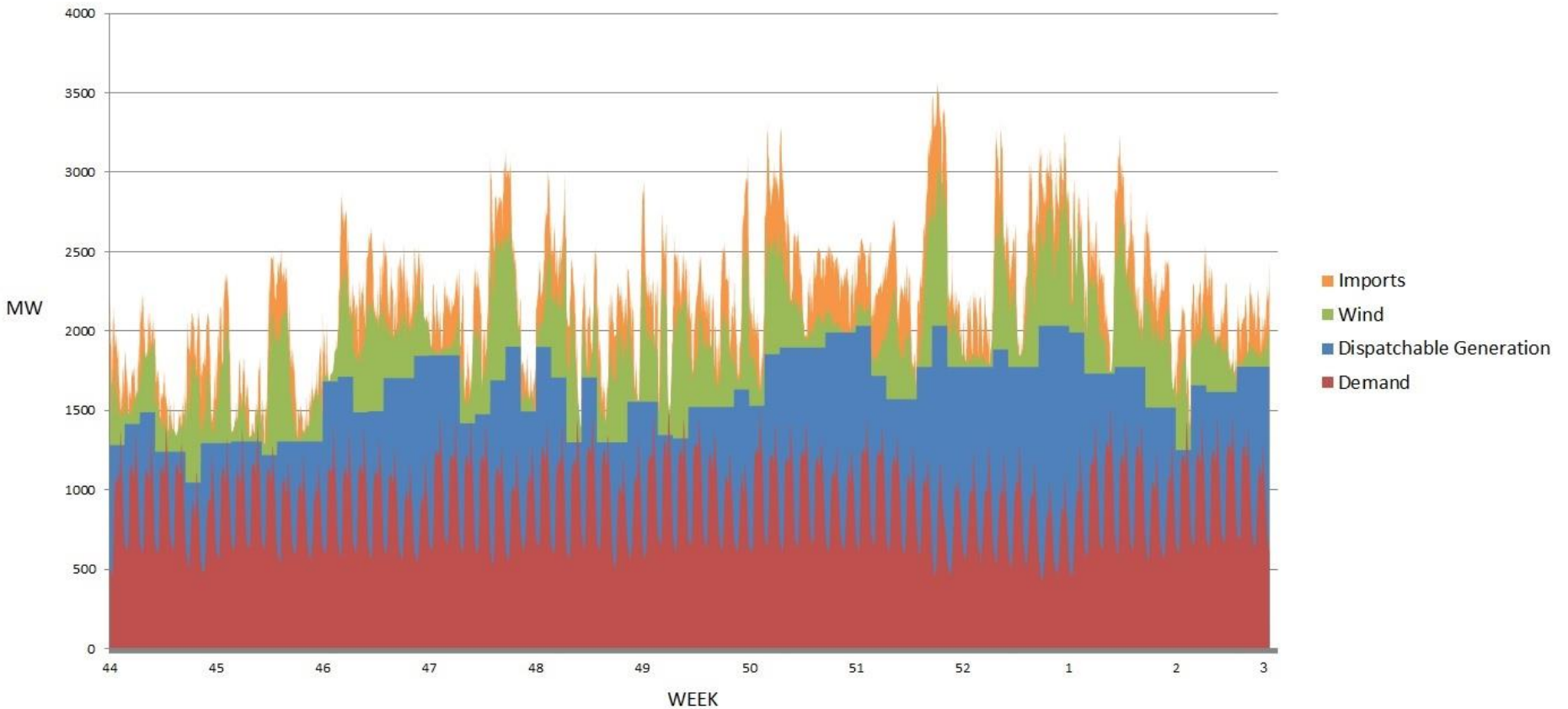
## Ireland Capacity Nov 2021 - Jan 2022





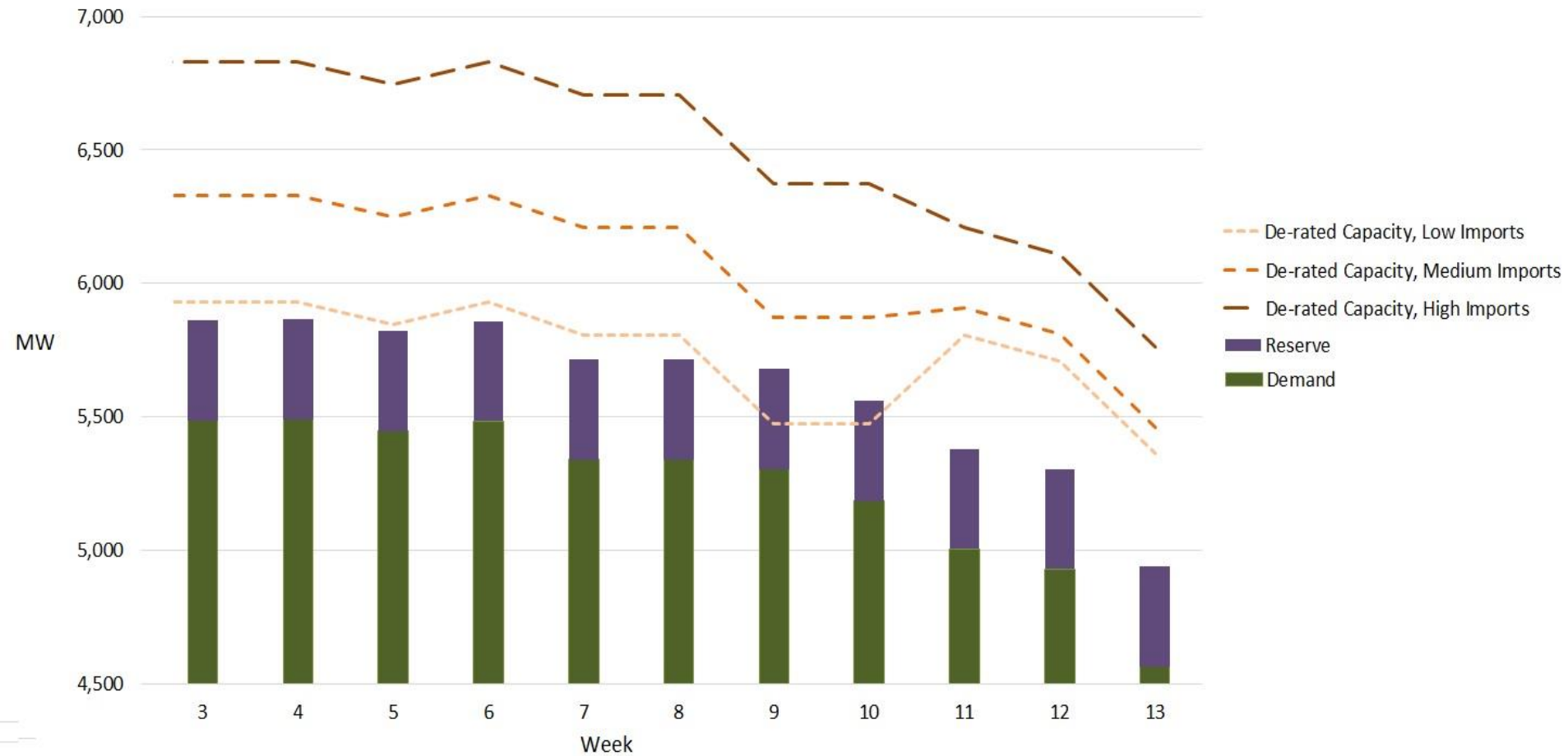
# Northern Ireland Generation Capacity

## Northern Ireland Capacity Nov 2021 - Jan 2022



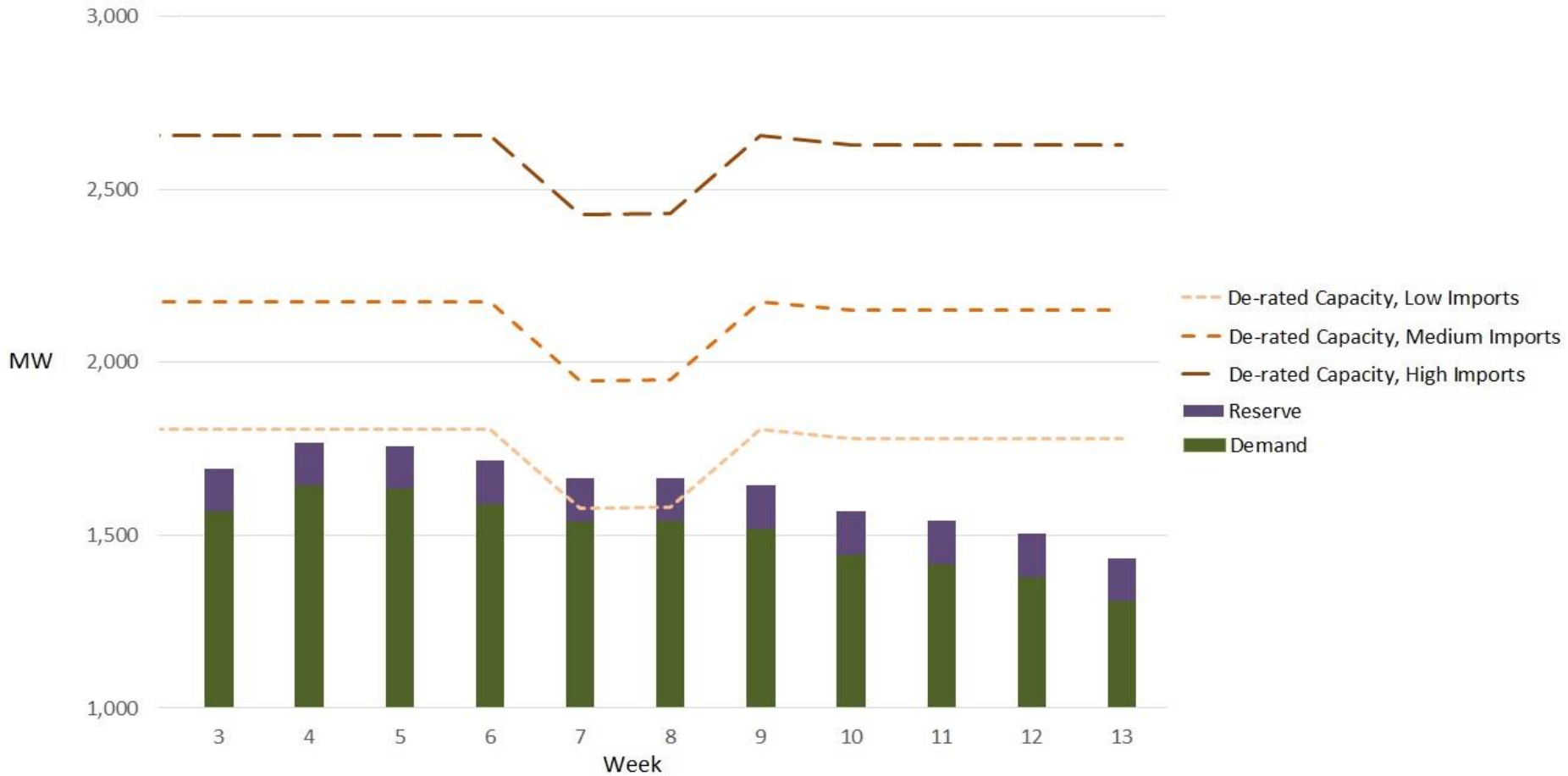
# Ireland Outlook

## Ireland Outlook to April 2022



# Northern Ireland Outlook

## Northern Ireland Outlook to April 2022



# Key takeaways

- System margin is improving
- Security of Supply must run TCG has been removed
- Less dispatch-down of renewable generation

<b>75% SNSP TRIAL</b>	
Trial Period	15 April 2021 - 23 January 2022
Maximum SNSP	74.71% (31/12/2021 21:10)
Hours above 70% during trial	74 hours, 7 minutes
Maximum wind	4482 MW (06/01/2022 08:27)

- Remain dependent on wind generation and/or imports
- For loss of a large unit the risk of system alert remains

# Agenda

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<b>Market Interface Update</b>	<b>Claire Breslin</b>
<b>E Q&amp;A</b>	

# Website Project – Feedback Request

We are completing an internal review of [www.sem-o.com](http://www.sem-o.com) and [www.semopx.com](http://www.semopx.com) to introduce upgrades and improvements and would welcome any feedback\comments Participants may have in relation to these.

We will also be issuing a survey which we would encourage you to complete to help us improve our websites and make them more user friendly.

Please send any feedback to [info@sem-o.com](mailto:info@sem-o.com) with the subject Website Feedback.

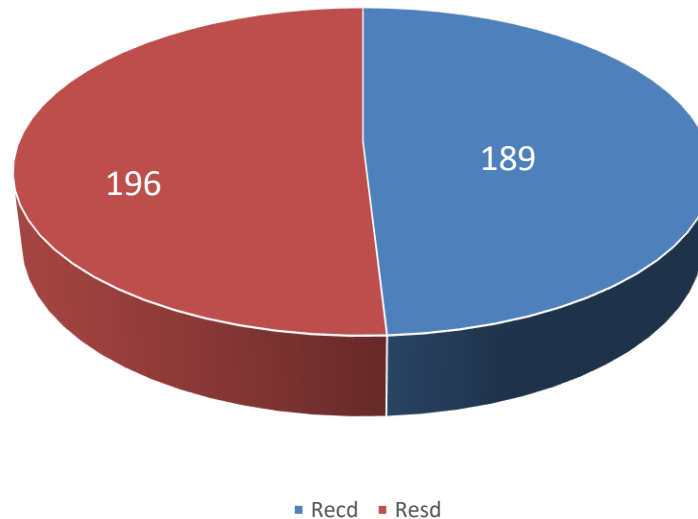
# Market Message Change Notification

- Market messages are currently issued from [info@sem-o.com](mailto:info@sem-o.com) or info@semopx email addresses to those registered for the relevant distribution list.
- These will now be issued via @web.sem-o.com and @web.semopx.com, we will confirm the date this change will take place.
- Please ensure these will not be treated as 'trash' or blocked prior to the switchover.

# General Query Statistics

- Average Resolution Time 5.6 Working Days

General Queries



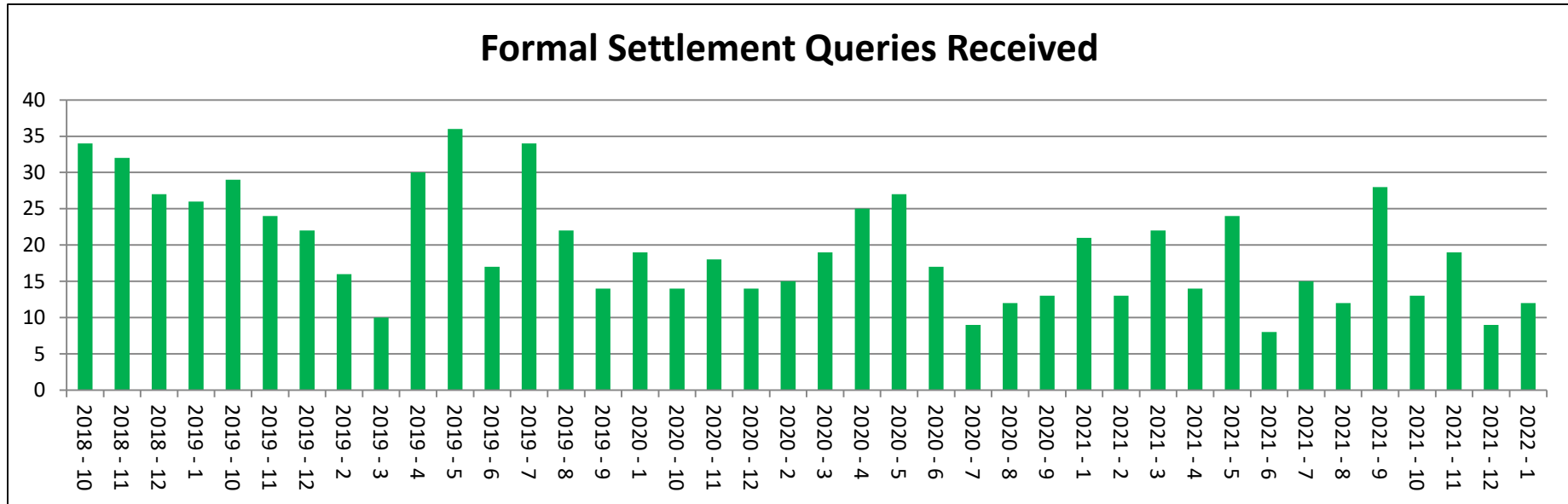
From 16<sup>th</sup> of Dec 2021 – 25<sup>th</sup> of January 2022



# Formal Query \ Dispute Statistics

From the 11<sup>th</sup> October to the 25<sup>th</sup> January 2022:

- **Formal Queries:** 50 were raised – 36 answered, 14 are in progress.



SEMO Decision	
Upheld	77%
Not Upheld	21%
Rejected	2%

SEMO Decision	
High Materiality	24%
Low Materiality	76%

- **Disputes:** 1 General Dispute was raised and is still being reviewed.

# MOUG Calendar

Please see the MOUG dates for the remainder of the year:

## **MOUG 2022\*:**

- 27<sup>th</sup> Jan
- 24<sup>th</sup> March
- 26<sup>th</sup> May
- 8<sup>th</sup> Sept
- 10<sup>th</sup> Nov
- 15<sup>th</sup> Dec

\*Subject to change if required

# Agenda

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Q&A	

## 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.***