
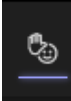



# Market Operator User Group

24<sup>th</sup> March 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>Claire Kane</b>
Release Program Update	Eamon Garrigan
Ex-Ante Markets	David Beirne
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# Release I Program Update

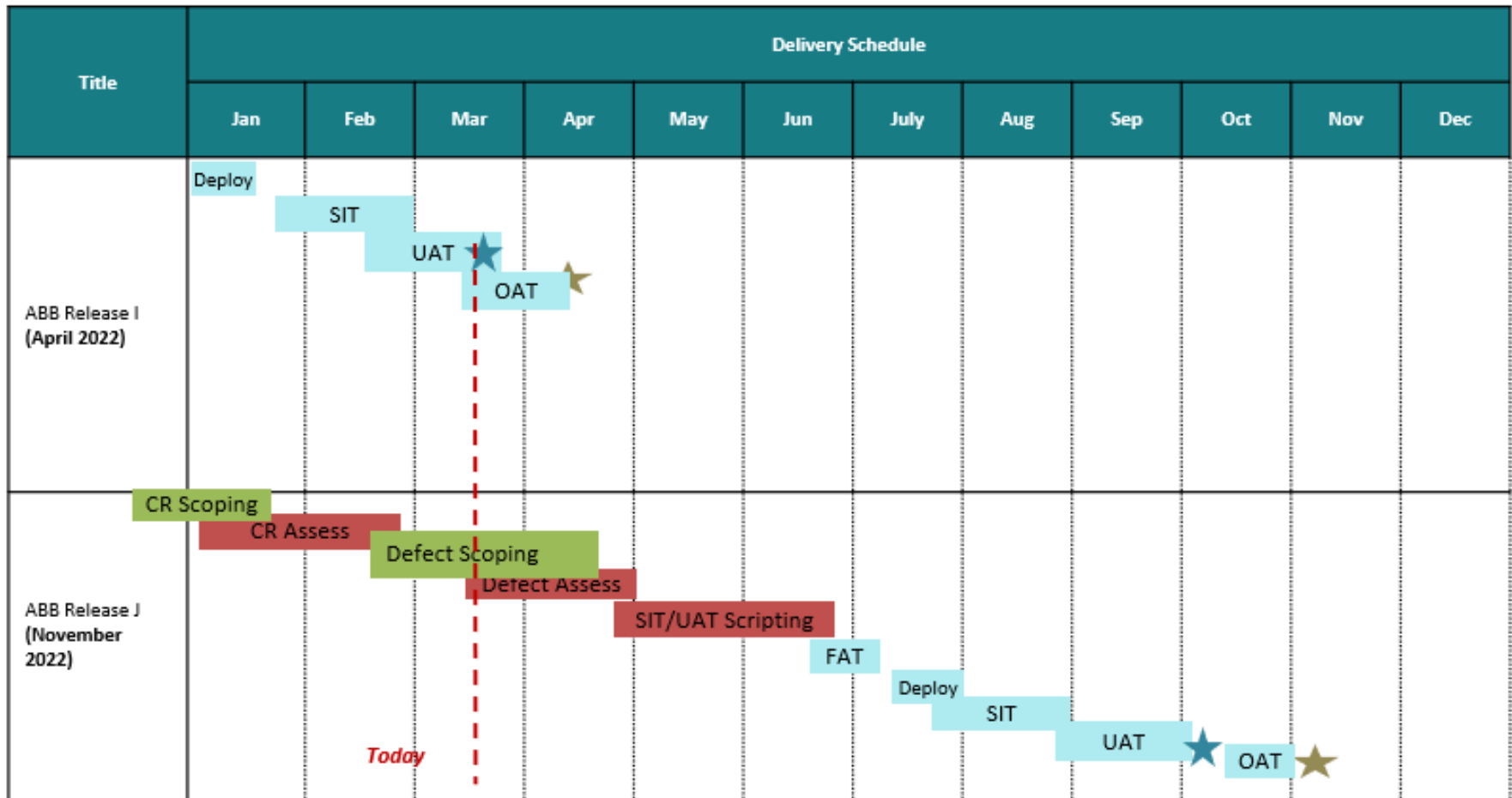
Type	Release I Summary Participant Effecting	Business Area
CR – 068	REPT 078 / 079 / 080 Completeness (Aggregated Contracted Quantities for Generation, Demand and Wind respectively )	Market Interface
CR - 237	Settlement reports to be generated for Ad Hoc Settlement run	Settlement

## Release I (Scheduled for April '22) & Release J (Nov '22)

- Release I - 2 Participant effecting Change Requests
- Defects from Known Issues Report targeting fixes in Release I & J published
- Release J High Level Impact Assessment to be published soon with detail on change requests



# Priority Item Delivery Plan – MMS System Delivery



# Known Issues Report Feedback Request

- Known Issues Report is updated weekly on sem-o.com
- A number of issues are longstanding since Go-Live
- Request feedback from participants on materiality to feed into our release prioritisation or close out older issues
- With participant feedback on known issues priority & fix justification this can be fed into the overall market release prioritisation
- Please send feedback to [info@sem-o.com](mailto:info@sem-o.com) and thank you in advance for your valuable input

# Agenda

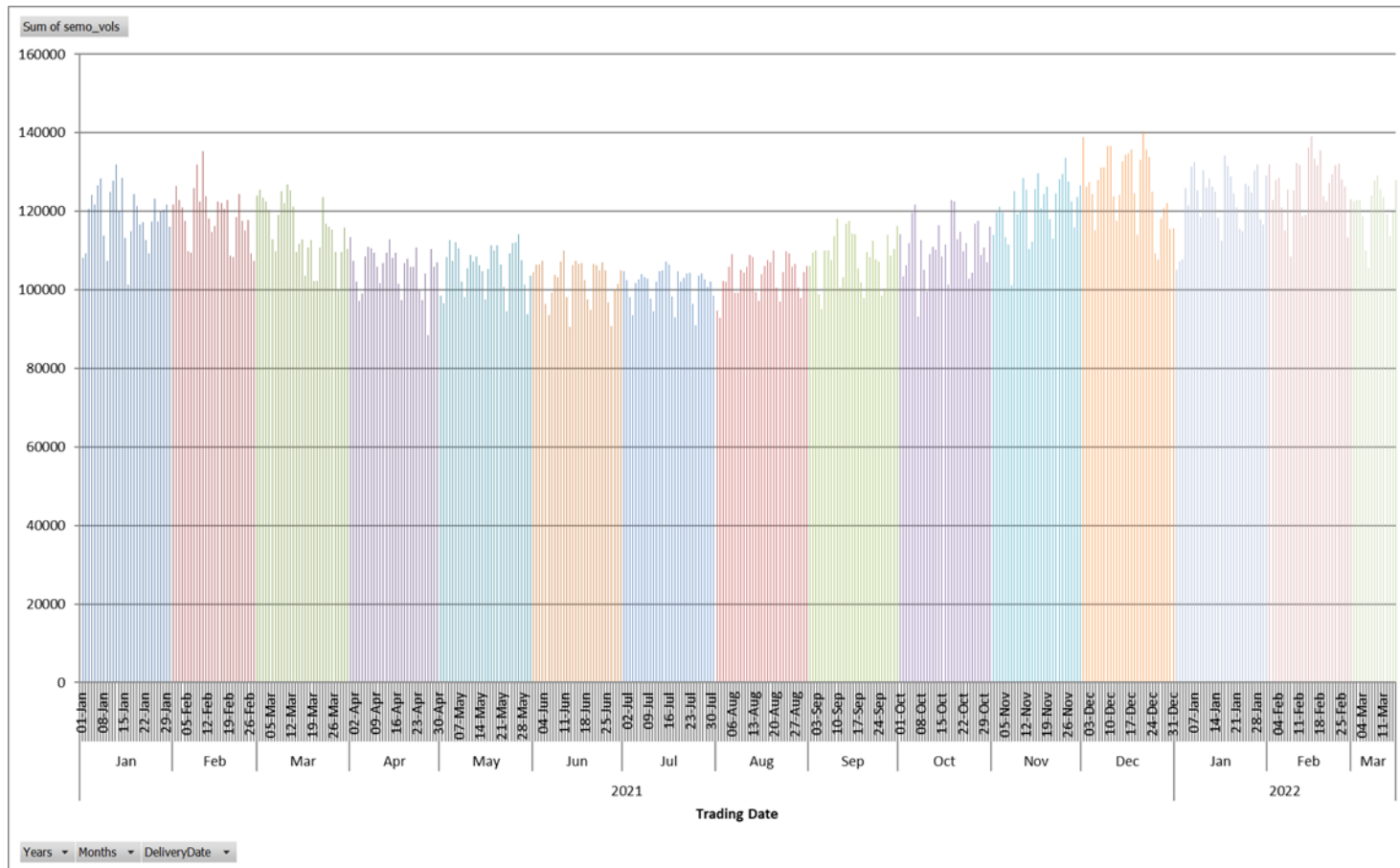
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# Ex-Ante Markets

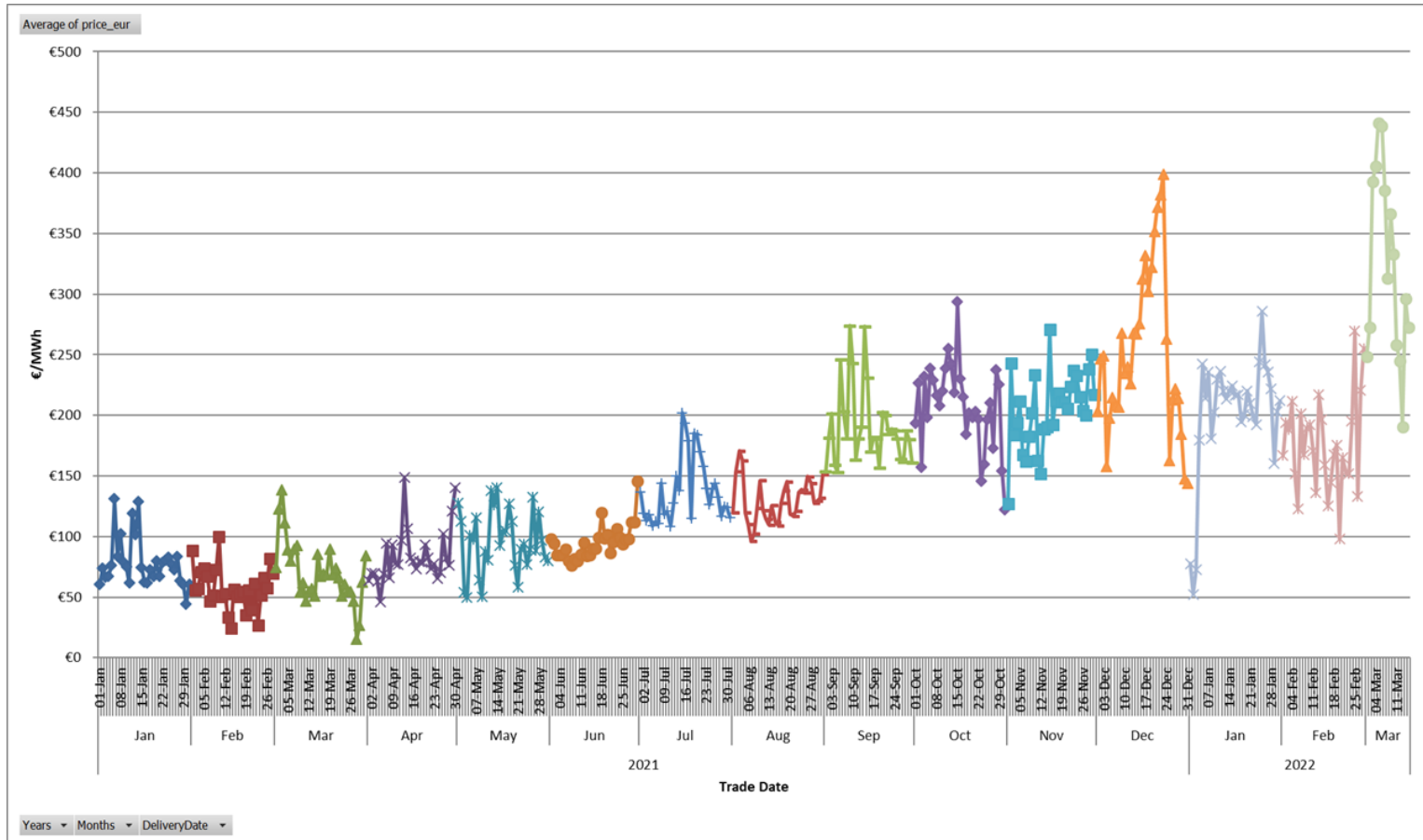
- Ex-Ante Volumes
- Ex-Ante Prices
- Wholesale Electricity Price Trends
- Mid-March Update

# Ex-Ante Volumes - DAM



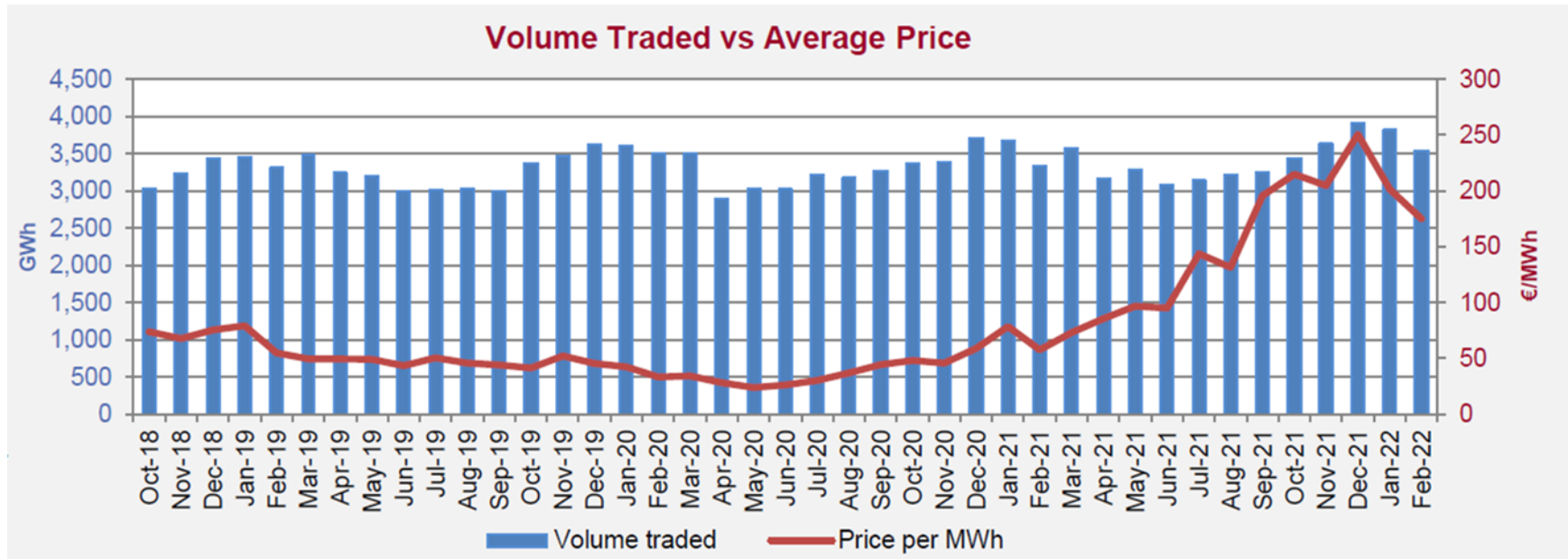
- The traded volumes in DAM have sustained with seasonality changes visible as we enter March in line with the same periods in 2021.

# Ex-Ante Prices – DAM



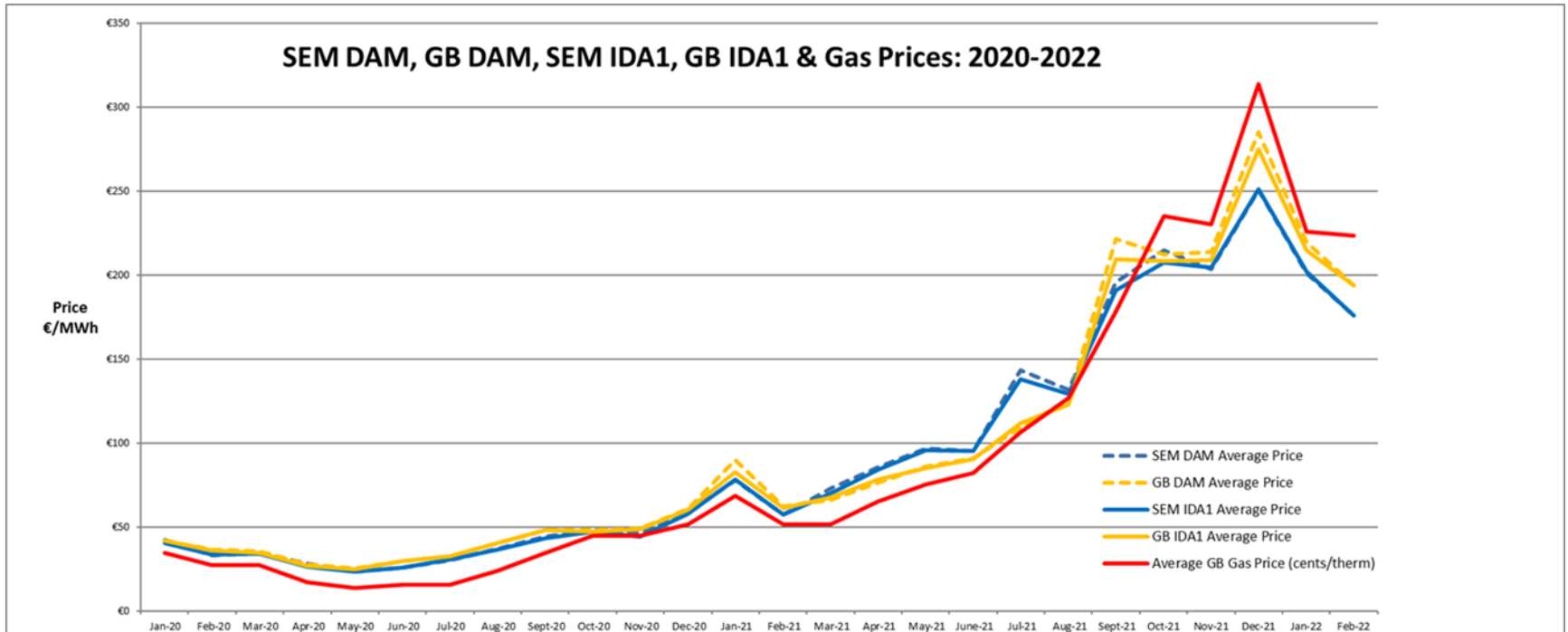
- Trend of increasing energy prices alleviated across January and February
- Volatility in the gas prices in the closing days of February and as we move into March have resulted in new all time high average DAM prices

# DAM Auction



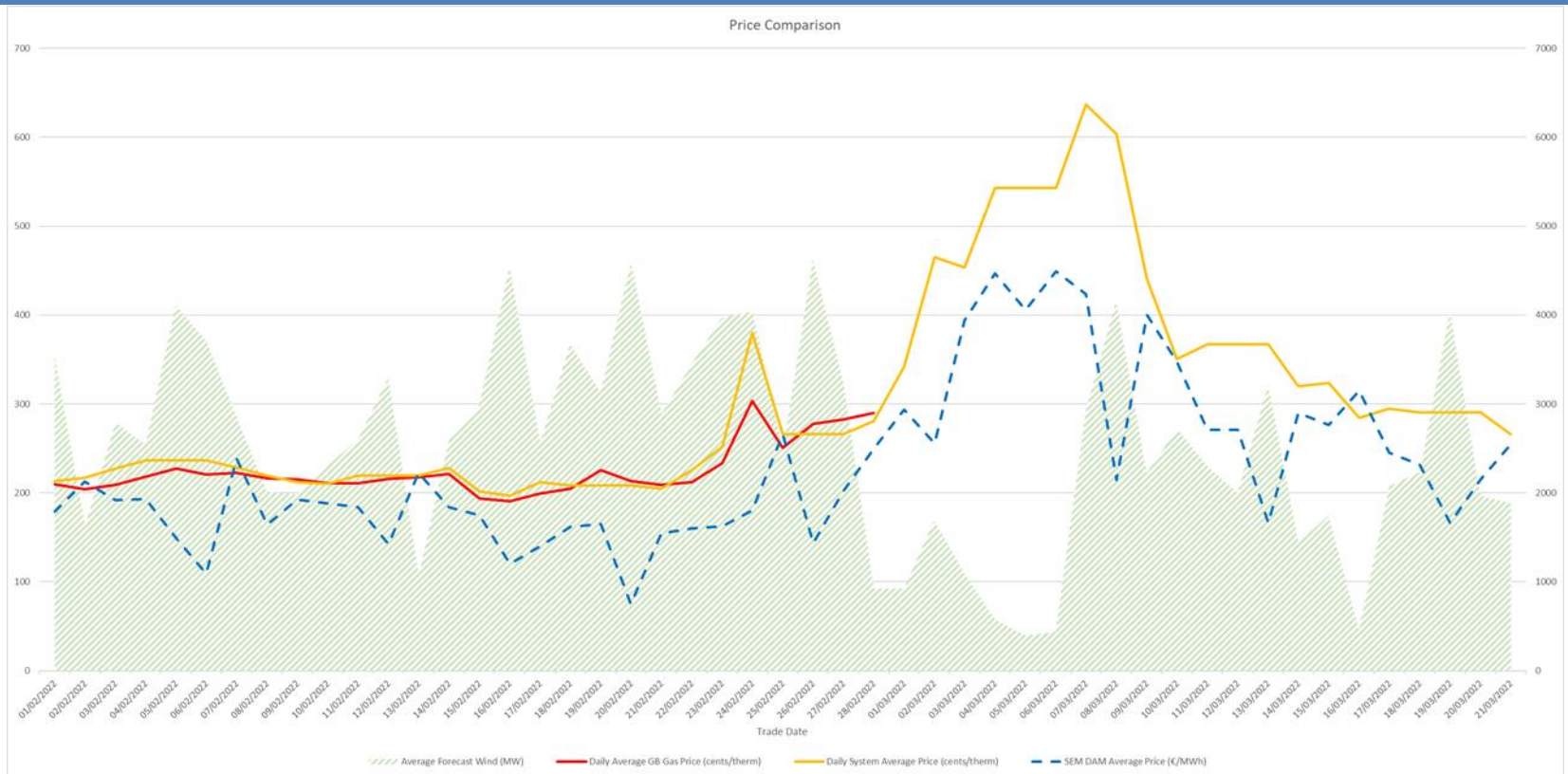
- Average DAM Price dropped each month since December's high of €250.
- January averaged €200 and despite the volatility toward the end of February the monthly average DAM price dropped to €175.
  - This is largely attributed to slightly reduced average gas prices and increased renewable output.

# Wholesale Electricity Price Trends



- Average gas price remained similar to the previous month despite volatility in the closing days.
- There is some divergence between average prices in the SEM and European gas prices which could be explained by the increased wind generation in February driving the price decreases in the SEM.
- DAM and IDA1 prices in SEM, and separately DAM and IDA1 prices in GB continued to correlate well on average.
- SEM prices were on average lower than GB prices in both respective markets.

# Wholesale Electricity Price – March 22



- In the opening days of March, we had volatility due to the geopolitical situation in Eastern Europe.
- The gas price reached new peaks which coincided with a reduction in renewable output resulting in average DAM prices in excess of €400 for consecutive days between 3<sup>rd</sup> & 10<sup>th</sup> March.
- From the 10<sup>th</sup> March we have had some stabilisation and increased renewable output has contributed to suppress the higher prices; as it stands the average DAM price up until 21<sup>st</sup> March is €300 approximately.

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# Repricing Update

- In total, 103 of 107 calendar days have been repriced.
- There are four remaining open issues:

Trading Day	ISP Impacted	Issue
31/10/2020	12:00 to 20:00	Incorrect calculation of QBOA for a Unit; correct initial conditions not applied.
05/08/2021	03:30 to 04:00 08:30 to 10:00 11:00 to 11:30 12:00 to 13:30 14:30 to 15:00 15:30 to 16:00	Incorrect Commercial Offer Data applied within Imbalance Pricing for a Unit.
14/09/2021	14:30 to 16:30	Trade SO Volume did not feed correctly into the calculation of Imbalance Prices.
05/11/2021	08:00 to 08:30 10:00 to 11:00 15:30 to 17:00	Incorrect Commercial Offer Data applied within Imbalance Pricing for a Unit; Complex COD applied for a number of periods instead of Simple.

Issue expected to be resolved Release I.

These dates are still being assessed, and we are actively working on an approach to resolving these issues.



# Short Day Clock Change

- Reminder Short Day Clock change on Sunday, 27<sup>th</sup> March 2022.
- There will be 46 Imbalance Settlement Periods. At 01:00 (Local time), the time will be incremented to 02:00 (Local Time).
- An [LCF Tool](#) and corresponding [short day guide](#) has been prepared and published. These documents should be used in the event of COD or PN data submission issues or Trading Day 27<sup>th</sup> March 2022.
- Further details can be found in this [market notice](#).

## SEMO LCF Hotline

Phone Number: **+44 (0) 28 90 707415**

This should only be used for **emergency operational** issues relating to Limited Communication Failures (LCF). The process for declaring and submitting a LCF can be found on the SEMO website.

The Hotline is available 24/7 on an interim basis.

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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
12/04/2022	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)
10/05/2022 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)
14/06/2022 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 GMT/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	TBC

# M7 Maintenance Windows

Date & time	Impact	Reason	Communication
12/04/2022	Maintenance		M7 chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)
10/05/2022 TBC	Maintenance	6.12 Go Live TBC	M7 chat message (1 hour before the maintenance) + OMM message (email sent a week in advance and on the same morning)
14/06/2022 TBC	Maintenance		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 GMT/IST every 2<sup>nd</sup> Tuesday of the Month.

# SEMOpX Updates

- Scalable Complex Orders Project:

- Member baseline market results (with COs and run as local auctions) for each of the 4 scenarios are available and can be retrieved in SIMU2 until the following dates:

Trade Date	Auctions	Available in SIMU2 until
11/02/2021	IDA1 & IDA2	27/03/2022
06/01/2021	IDA1 & IDA2	28/03/2022
18/07/2021	IDA1 & IDA2	30/03/2022
30/09/2021	IDA1 & IDA2	31/03/2022

- M7 Load Management:

- SEMOpX M7 API Load Management User Guide, Supporting Manuals and XSD Sample File are now available on the SEMOpX Website.
- Member Testing to begin shortly and a separate communication will be issued to members.

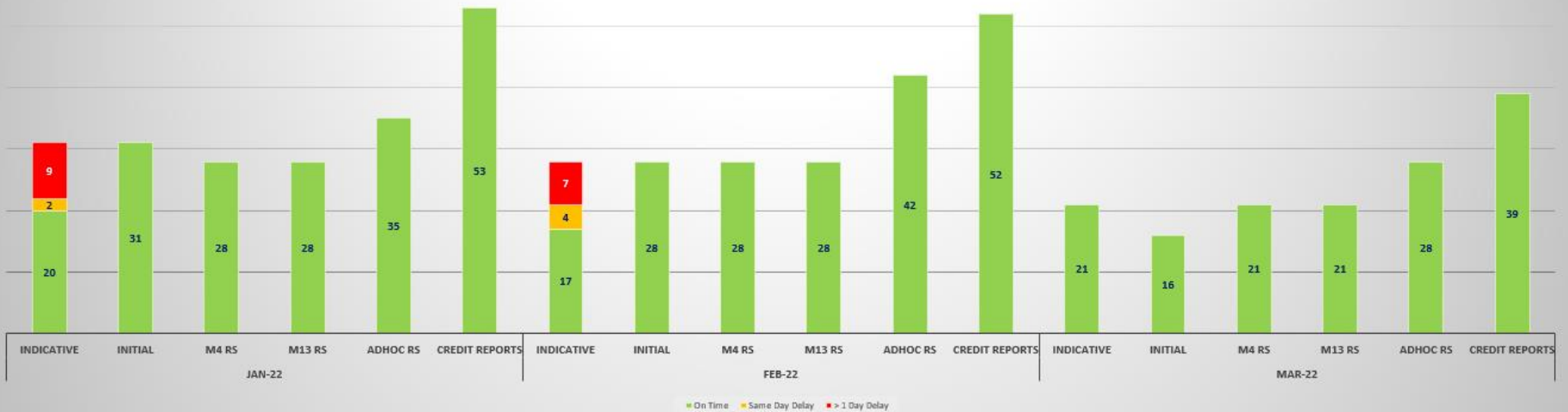
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# Settlement publications & timelines: Jan 2022 – Mar 2022 (to date)

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



## Jan 2022

- 195 settlement publications on time
- Indicative delays due to **KIR ID #244,933** – “Bill case performance for last day of billing period” (5), **MDP Data delays** – SONI (2), MRSO (1), **Additional time** required for analysis (3)
- All issues now resolved

## Feb 2022

- 195 settlement publications on time
- Indicative delays due **MDP Data delays** - MRSO (3), EirGrid (4), **Instruction Profiler** data issues (3), **Additional time** required for analysis (1)
- All issues now resolved

## Mar 2022

- 138 settlement publications on time

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

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



## Settlement Document updates:

- **86** Settlement Documents published on time between Jan 2021 and Jan 2022 (includes BALIMB, Capacity and MO Invoices)
- Processing issues reported to the market in relation to MO Invoicing;
  - **MO Invoicing:** Sep 2021 FMOC data, vat rate of 21% instead of 23% was applied. Market message issued 14/10/2021.
  - **MO Invoicing:** M4 resettlement of Feb 2021 data, vat rate of 21% instead of 23% was applied. Market message issued 14/07/2021.

# Ad hoc resettlement: Status update March 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	Feb-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	Oct-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	Jan-21
Ad hoc Iteration 1:	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19

## Scheduled Ad hoc resettlement completed to date – 2<sup>nd</sup> iteration

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	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	Dec-20	Jan-21
Adhoc Iteration 2:	Oct-18 - Jan-19		Feb-19		Mar-19		Apr-19		May-19		Jun-19 to Sep-19			N/A	N/A	N/A	N/A	N/A

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

- Ad hoc iteration **1** resettlement is up to the 21/09/2019 . **51** weeks / billing periods processed and published to date.
- Ad hoc iteration **2** resettlement is up to the 10/01/2019 . **10** weeks / billing periods processed and published to date
- 2018** Ad hoc resettlement is now closed out
- 19 weeks** of Adhoc processed in Q2 (Jan-Mar 2022) meeting **KPI** target of 18 weeks over a 12-week period



# Settlement Documents to issue, Mar 25<sup>th</sup> 2022

Settlement Document :
INITIAL BALIMB – (13/03/22-19/03/22) – Week 11 2022
M+4 BALIMB – (21/11/21-27/11/21) – Week 47 2021
M+13 BALIMB – (21/02/21-27/02/21) – Week 08 2021
Ad-Hoc BALIMB – (15/09/19-21/09/19) – Week 37 2019

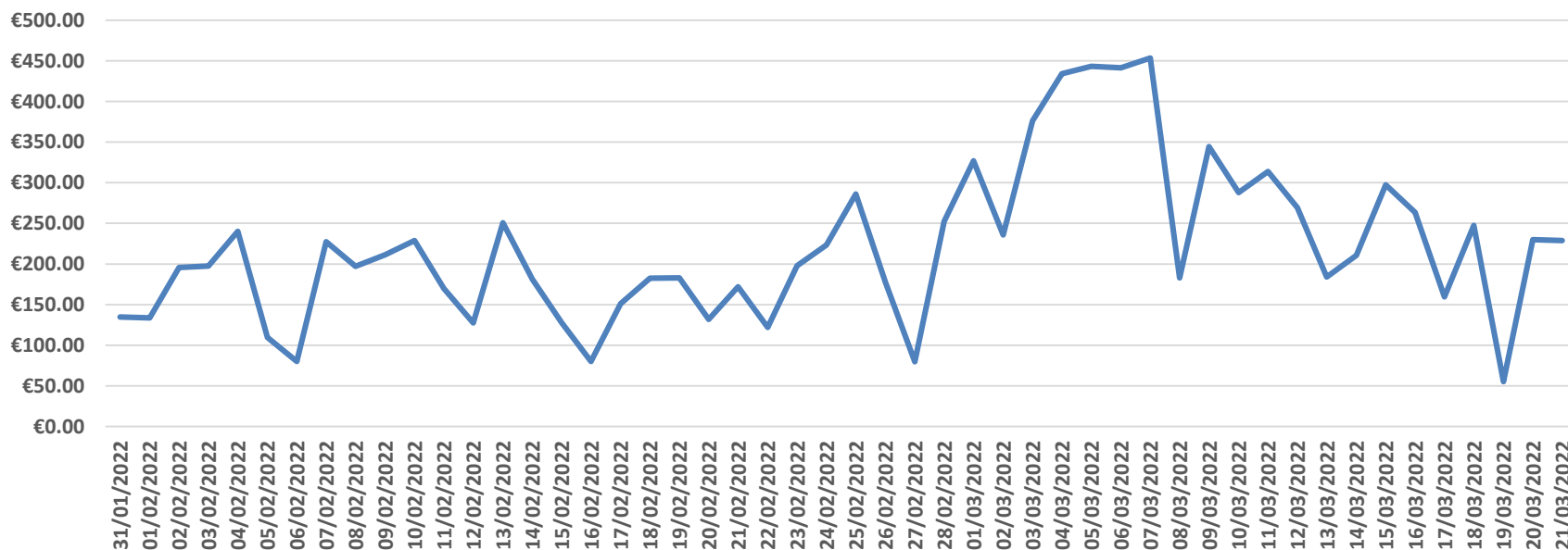
<https://www.sem-o.com/market-data/settlement-calendar/>

# High Gas Prices - Balancing Market Analysis

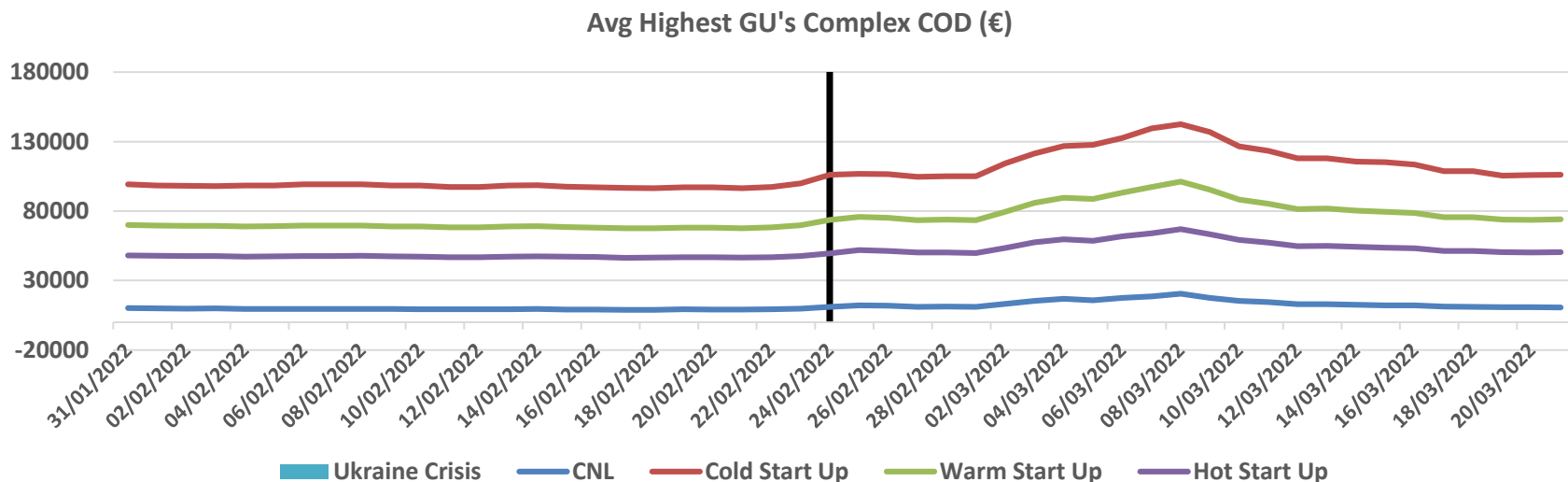
## Ukraine Crisis began on 24/02/22 with Gas Price Increases affecting the Imbalance Price (PIMB)

- Average PIMB for the 25 days up to and including 24/02/22 was €170.26.
- The **25 days since the average PIMB is €271.29 (increase of 59%)**.
- PIMB from 31/01/22 to 21/03/22 was €220.77.

Average Daily PIMB



# High Gas Prices - Balancing Market Analysis

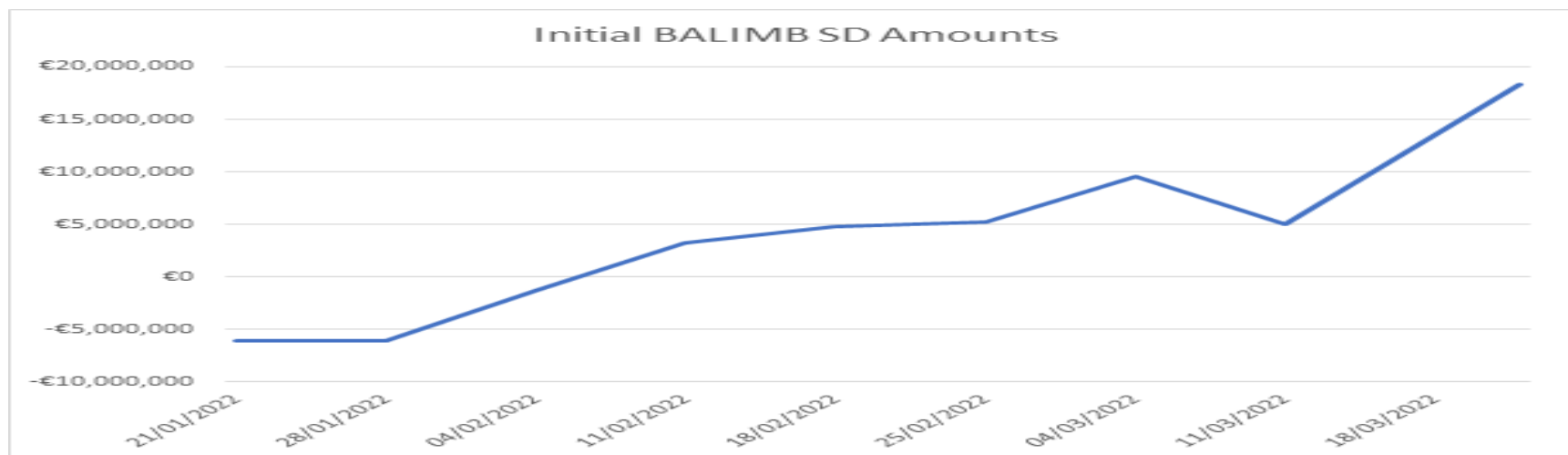


## Commercial COD for GU's - 28th January to 21st March

- **CNL costs** of the 30 highest priced Generator Units in market **increased by an average of 5.6%**. At it's peak on 8th March CNL was up 111.2% for these same units.
- **Cold Start Up costs** of the 30 highest priced GUs in market has **increased by an average of 7%**. At it's peak on 8th March this was up 43.9% for these same units.
- **Warm Start Up costs** of the 30 highest priced GUs in market has **increased by an average of 5.7%**. At it's peak on 8th March this was up 45.3% for these same units.
- **Hot Start Up costs** of the 30 highest priced GUs in market has **increased by an average of 5%**. At it's peak on 8th March this was up 40.3% for these same units.

# High Gas Prices - Balancing Market Analysis

Billing Week		Published	Initial BALIMB
Start	End		
09/01/2022	15/01/2022	21/01/2022	-€6,079,775
16/01/2022	22/01/2022	28/01/2022	-€6,053,191
23/01/2022	29/01/2022	04/02/2022	-€1,340,233
30/01/2022	05/02/2022	11/02/2022	€3,290,898
06/02/2022	12/02/2022	18/02/2022	€4,829,302
13/02/2022	19/02/2022	25/02/2022	€5,223,023
20/02/2022	26/02/2022	04/03/2022	€9,619,599
27/02/2022	05/03/2022	11/03/2022	€5,049,753
06/03/2022	12/03/2022	22/03/2022	€18,345,020



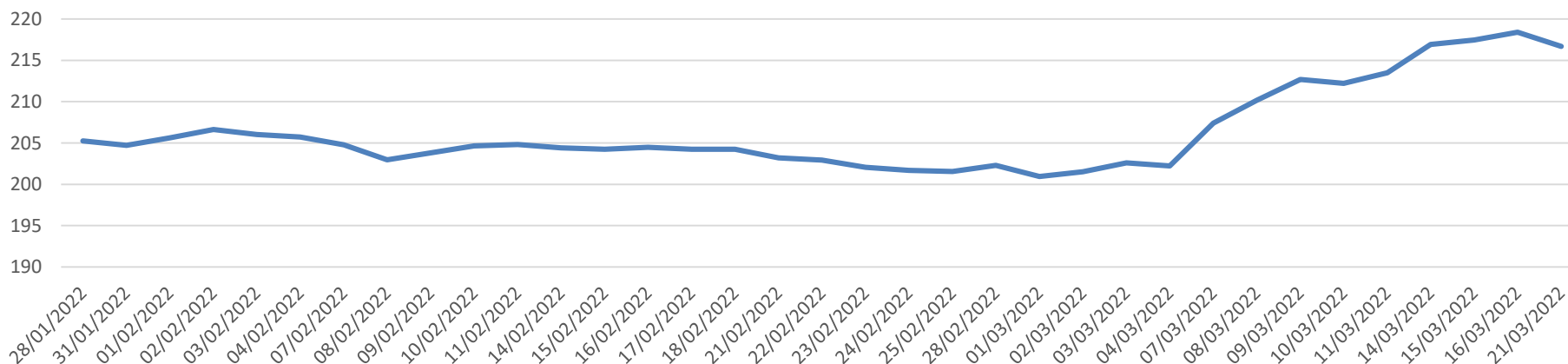


# High Gas Prices - Balancing Market Analysis

## Credit Impacts - 28th January to 21st March

- The Credit Assessment Price (PCA) increased from €205.24 to €216.68 (€11.44 or 5.6%).
- Required Collateral decreased from ~€259M to ~€258 (swing of €645k or -0.2%).
- Posted Collateral increased from ~€399M to ~€421 (swing of €21.6 or 5.4%).

Credit Assessment Per day 28/01/22 - 21/03/22



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# Settlement Recalculation Threshold

- This parameter was initial set out in the ISEM Operational Parameters Decision Paper before ISEM Go-Live - SEM-17-034 'Operational Parameters Credit Cover and Imbalance Settlement'
- The Settlement Recalculation Threshold will now be applied to all formal settlement query decisions from 28/03/2022 (*T&SC Section G.3 & G.19*).
- The application of this threshold means that formal settlement queries which are upheld but below the Settlement Recalculation Threshold (€15K per Settlement Document) will not be resettled unless part of standard processing i.e. metering updates.
- If the formal settlement query is above the Settlement Recalculation Threshold, then it will be upheld with either high or low materiality and will be re-settled as per the usual process (*Agreed Procedure 13*).
- Note: the Settlement Recalculation Threshold will apply to all run types.

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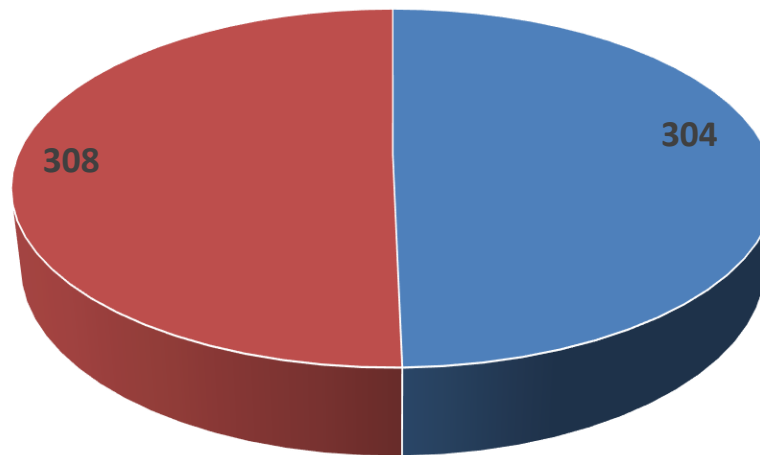
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# General Queries 27<sup>th</sup> Jan-16<sup>th</sup> March 2022

General Queries



■ Recd ■ Complete

# Formal Queries and Disputes – 27<sup>th</sup> Jan-16<sup>th</sup> March

## **Formal Queries:**

21 formal queries were received, of which 8 are now completed (1 was not upheld, 1 was rejected and 6 upheld) and 13 are ongoing.

## **Disputes:**

No Disputes were raised in this period.

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# IE11 End of Life – June 2022

- Native IE11 will be supported by Microsoft on Windows10 until 15-June and is available on most standard Windows 10 set-ups, until 15-June, native IE11 is a recommended browser. On Windows 7 and Windows 8.1 it remains available after that date until those operating systems are no longer supported.
- Once verified, the MPI will be available in Edge in IE11 mode, Microsoft have stated that Edge in IE11 mode will continue to get security updates until 2029.

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## 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.***