



# **Market Operator's Annual Performance Report**

October 2019 – September 2020

## Contents

1	Introduction.....	4
2	Executive Summary .....	5
3	Service Delivery .....	6
3.1	Trading and Settlement Code Breaches.....	6
3.2	Balancing Market Settlements.....	6
3.2.1	Indicative and Initial Settlement Runs .....	6
3.2.2	Settlement Documents .....	7
3.2.3	M+4 & M+13 Resettlement .....	8
3.2.4	Ad-hoc Repricing and Ad-hoc Resettlement Runs .....	8
3.2.5	Administration of Credit Cover .....	8
3.3	Financial Statistics.....	9
3.3.1	Cash Flow positions for Balancing Market, Capacity Market and Market Operator Charges	9
3.3.2	Financial Changes with re-settlement runs .....	11
3.4	Imbalance Price.....	13
3.4.1	Imbalance Price.....	13
3.4.2	Exchange Rate .....	15
3.4.3	Imbalance Price Generation and Backup Price .....	16
3.5	Central Systems.....	17
3.5.1	System Availability .....	17
3.5.2	Limited Communication Failure (LCF), General Communication Failure (GCF) and General System Failure (GSF) .....	17
4	Change Request Management .....	19
4.1	System releases.....	19
4.2	Modifications .....	19
4.2.1	Balancing Market – Trading & Settlement Code Modification Management .....	19
4.2.2	Publication of the Trading & Settlement Code .....	20
4.2.3	2020 - Modifications Committee Elections.....	20
4.2.4	Balancing Market - Modifications Process Development.....	20
5	General Market Information .....	23
5.1	Query Management.....	23
5.1.1	General Queries .....	23

5.1.2	Settlement Queries .....	23
5.1.3	Disputes.....	24
5.2	Joining and Terminating Parties and Units .....	24
5.2.1	Facilitate and Educate participants to accede to the Balancing Market Code .....	24
6	Manage Stakeholders .....	28
6.1	Structured Approach to Regulatory interface .....	28
6.2	Facilitate Interaction with Customers.....	28
	Appendix A: Trading and Settlement Code Breaches.....	29
	Appendix B: Settlement publication delays.....	33
	Appendix C: List of Queries by Type .....	47
	Appendix D: Imbalance Prices .....	48
	Appendix E: Market Operator User Groups .....	50

## **1 Introduction**

On 1 October 2018 the revised Single Electricity Market (SEM) arrangements went live and 30 September 2020 marked the end of the second year of operation.

SONI Ltd. and EirGrid plc, operating as the Single Electricity Market Operator (SEMO) are required under their respective Market Operator Licenses to provide an annual report on Market Operator Performance to the Regulatory Authorities for approval. The report is published in accordance with section B16.2 of the Trading and Settlement Code, section LC17(7) of the SONI MO licence and section LC10(8) of the EirGrid MO licence.

## 2 Executive Summary

This SEMO performance report covers the second year of operation of the revised SEM arrangements from 1 October 2019 to 30 September 2020.

During this period:

- 8 Parties joined the market and 64 units went effective in the market.
- There were 4 Market Management System (MMS) releases in the period from 1 October 2019 to 30 September 2020 as outlined in section 4.1 System Releases.
- 8 Market Operator User Groups (MOUGs) took place; 2 were hosted in Dublin and 1 was hosted in Belfast with the other meetings held via conference call.
- 2,107 general queries were received, and 2,135 general queries were resolved<sup>1</sup>, with 59 open as of September 2020.
- 231 Formal Settlement queries were raised; 196 have been upheld, 29 not upheld, 4 rejected and 2 withdrawn as of September 2020.
- 14 modifications to the Trading and Settlement Code were approved.
- Participant calls were held weekly to keep Market Participants informed on Market Operator updates, with the option of additional calls if needed.

The four main categories of performance metric covered are:

- Service Delivery
- Change Request Management
- General Market Information
- Manage Stakeholders

Quarters are defined according to the financial year as follows:

Q1 = 1 October to 31 December

Q2 = 1 January to 31 March

Q3 = 1 April to 30 June

Q4 = 1 July to 30 September

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<sup>1</sup> Resolved refers to queries resolved within this period, and includes queries raised before this time.

### 3 Service Delivery

#### 3.1 Trading and Settlement Code Breaches

Breaches of the Trading and Settlement Code were noted in the following areas:

Trading and Settlement Code Breaches			
Area		Major <sup>1</sup>	Minor <sup>2</sup>
Data Providers		-	62
Market Participants	Clearing	84	-
	Credit Risk Management	5	-
Market Operator	Balancing Market	9	244
	Clearing	-	-
	Credit Risk Management	-	-
	Other	-	-
Total		98	306

**Table 1 – Trading and Settlement Code Breaches**

Further details of each of the Trading and Settlement Code breaches noted above are set out in Appendix A.

#### 3.2 Balancing Market Settlements

##### 3.2.1 Indicative and Initial Settlement Runs

The following series of tables and graphs represent the publications of Indicative and Initial Settlement runs. Every working day SEMO is obliged to issue Indicative and Initial settlement run statements.

Settlement Runs completed 01/10/2019 - 30/09/2020		
	Indicative	Initial
On Time	191	297
Same Day Late	35	33
> 1 Day Late	140	36
Total runs	366	366

**Table 2 - Settlement Runs completed 01/10/2019 - 30/09/2020**

<sup>1</sup> Major Breach – includes the late publishing of settlement documents, default notices issued for non-payment or similar.

<sup>2</sup> Minor Breach – occurs when deadlines not met, but without any financial implication to Participants. This includes late posting of settlement runs.

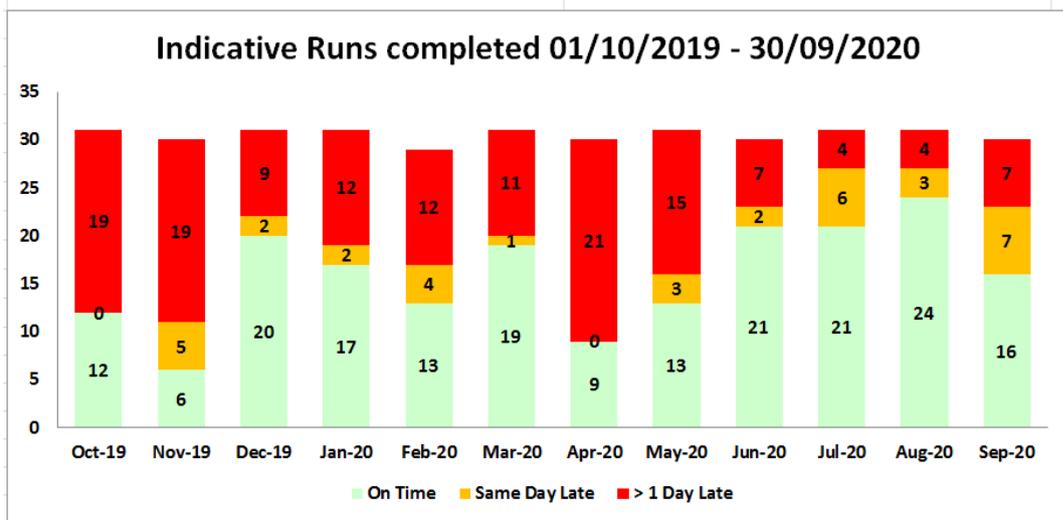


Figure 1 - Indicative Settlement Runs Completed

Further details on publication times can be found in Appendix B.

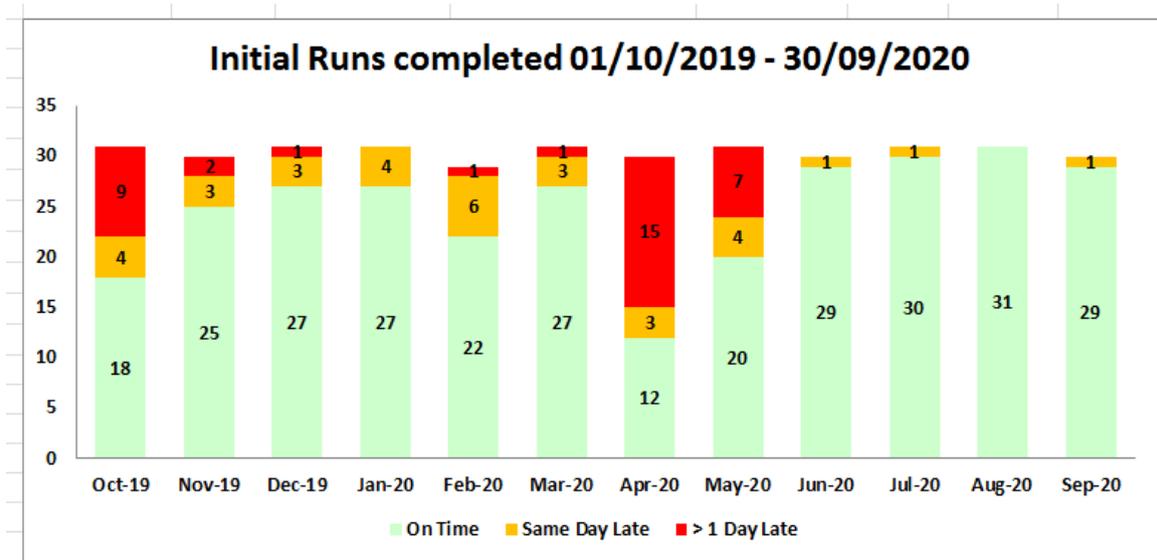


Figure 2 - Initial Settlement Runs Completed

Further details on publication times can be found in Appendix B.

### 3.2.2 Settlement Documents

The following table represents the publications of Initial Settlement Documents. SEMO is obliged to issue Initial Settlement Documents 5 working days after the last day of the billing period<sup>1</sup>.

<sup>1</sup> Up to 2 Settlement Documents issued per week due to KIR #6148

Settlement Documents completed 01/10/2019 - 30/09/2020	
	No. of Weeks
On Time	64
Same Day Late	3
> 1 Day Late	6
Total runs	73

**Table 3 - Settlement Documents completed 01/10/2019 - 30/09/2020**

### **3.2.3 M+4 & M+13 Resettlement**

Due to the high volume of settlement systems issues and defects which had to be dealt with after go-live of the revised SEM arrangements, M+4 resettlement did not start as per the settlement calendar and instead the first publication of M+4 was issued on 5 July 2019.

M+4 Resettlement issued one week per week since then until January 2020, with M+4 'double weeks' of resettlement implemented in January 2020. The schedule of M+4 double weeks of resettlement was completed in July 2020, with M+4 resettlement fully caught up at that point and is since being published as per Trading & Settlement Code weekly M+4 timelines.

M+13 Resettlement publications began in October 2019, with M+13 double weeks implemented in July 2020 to process the backlog of M+13 resettlement months. The schedule of M+13 double weeks of resettlement is due to complete in December 2020. M+13 resettlement is expected to be fully caught up at that point, and will then be published as per Trading & Settlement Code weekly M+13 timelines.

### **3.2.4 Ad-hoc Repricing and Ad-hoc Resettlement Runs**

Ad Hoc Repricing did not take place during 1 October 2019 - 30 September 2020; this is currently in progress with the first re-pricing information due to be published in January 2021.

Ad Hoc Resettlement did not take place during 1 October 2019 - 30 September 2020; this is currently in progress with the first ad hoc resettlement due to be published in February 2021.

Ad-hoc resettlement is scheduled to start in February 2021 and will run initially for 50 consecutive weeks up to billing week of 2019 (08/09 – 14/09/2019) in order to implement the defect fixes delivered in Release F for the billing periods already resettled within M+13 resettlement run prior the Release F delivery, and to also close out outstanding formal settlement queries submitted for the same period.

### **3.2.5 Administration of Credit Cover**

The SEM has been collateralised according to the Trading & Settlement Code provisions for the whole period from 1st October 2019 to 30th September 2020. At times, the collateralisation may be slightly less than the calculated requirement due to the time allowed by the Trading & Settlement Code for Participants to comply with a Credit Cover Increase Notice (CCIN). There were 5 CCINs that were not fully honoured within the two days allowed as per Trading & Settlement Code, these were subsequently resolved.

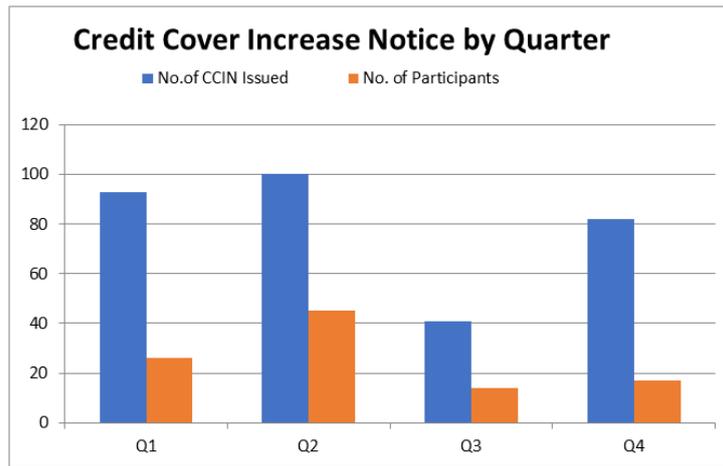


Figure 3 - Credit cover increase notices issued by quarter

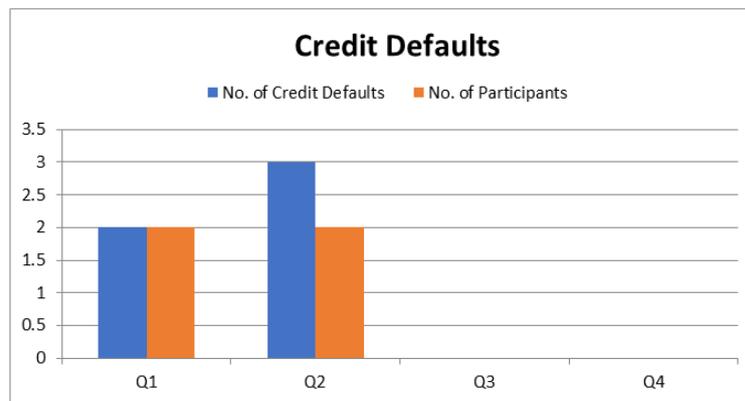


Figure 4 - Default notices issued by quarter<sup>1</sup>

### 3.3 Financial Statistics

#### 3.3.1 Cash Flow positions for Balancing Market, Capacity Market and Market Operator Charges

The Balancing Market reflects actions taken by the TSOs to keep the system balanced, for example, for differences between the market schedule and actual system demand. It determines the imbalance settlement price for settlement of these balancing actions. This includes any uninstructed deviations from a participant's notified ex-ante position. All data displayed in this section is extracted from all settlement documents published between 1 October 2019 to 30 September 2020.

As this data is extracted from the settlement documents which were published in the aforementioned time span and not the settlement dates contained within the time span, it is not possible to compare the initial runs to re-settlement runs. Consequently, the re-settlement figures below relate to periods which were re-settled over the course of the above date range. Additionally, the re-settlement figures are only the differences (i.e. what a participant was charged/paid in the specific settlement document) contained within the settlement document.

<sup>1</sup> Please note that the Credit team reported no Credit defaults during the months of March 2020, up till the end of September

- Positive values indicate Payments were greater than Charges
- Negative values indicate Charges were greater than Payments
- All figures are in Euro
- All charge components which were €0 for the entire year have been excluded.

Balancing Market Cash Flow Position		
Component	Component Name	€ Payment/Charge
CPREMIUM	Premium Payment	€118,854,664.00
CDISCOUNT	Discount Payment	€113,565,808.83
CFC	Fixed Cost Payment or Charge	€22,279,840.39
CIMB	Imbalance Payment or Charge	€21,560,233.22
CDIFFCWD	Within-day Difference Charge	€33,973.02
CDIFFCNP	Non Performing Difference Charge	€32,345.53
CTEST	Testing Charge	-€31,526.59
CDIFFPIMB	High Imbalance Price Difference Charge	-€251,161.38
CABBPO	Bid Price Only Accepted Bid Payment or Charge	-€414,337.62
CCA	Currency Adjustment Charge	-€501,340.05
CUNIMB	Uninstructed Imbalance Charge	-€1,022,296.23
CAOPO	Offer Price Only Accepted Offer Payment or Charge	-€2,586,119.18
CCURL	Curtailed Payment or Charge	-€2,704,070.52
CSOCDIFFP	Difference Payment Socialisation Charge	-€3,953,703.34
CREV	Residual Error Volume Charge	-€22,232,979.86
CIMP	Imperfections Charge	-€345,106,718.75
<b>Total</b>		<b>-€102,477,388.54</b>

**Table 4 - Balancing Market Cash Flow Position**

The Capacity Market is designed to help ensure that the generation capacity in Ireland and Northern Ireland (including Storage, Demand Side Units and Interconnector capacity) is sufficient to meet demand and that the regulatory approved generation adequacy standard is satisfied.

Capacity Market Cash Flow Position		
Component	Component Name	€ Payment/Charge
CCP	Capacity Payment	€346,693,748.32
CCC	Capacity Charge	-€332,514,919.58
<b>Total</b>		<b>€14,178,828.74</b>

**Table 5 - Capacity Market Cash Flow Position**

Market Operator charges are used to recover the costs of administering the market.

Market Operator Charges		
Component	Component Name	€ Payment/Charge
CMOAV	Fixed Market Operator Charge Supplier Units	-€18,909.40
CMOAU	Fixed Market Operator Charge Generator Units	-€722,663.93
CVMO	Variable Market Operator Charge	-€13,353,518.75
<b>Total</b>		<b>-€14,095,092.08</b>

**Table 6 - Market Operator Charges**

### 3.3.2 Financial Changes with re-settlement runs

As both M+4 and M+13 were delayed, there were various weeks where multiple re-settlement periods were re-settled in a single week. Consequently, there were 75 and 38 billing weeks re-settled for M+4 and M+13 respectively in the Balancing Market over the course of the year. For CRM and MO, there was 18 and 9 billing periods (months) re-settled for M+4 and M+13 respectively. Within all of these re-settlements, there were changes to numerous charges and payments as set out below.

These figures represent the differences between the previous settlement run and the re-settlement run. For example, if a unit was charged €100 in CIMB in Initial settlement and this was re-calculated to be €110 in M+4, this would result in a delta of €10 which would be captured in the below tables. Table 7a shows the overall payments and charges for all re-settlements. Table 7b displays the same figures, broken down by their respective re-settlement run. The four subsequent tables follow this same pattern.

Balancing Market Re-Settlement	
Component	€ Payment/Charge
CPREMIUM	-€118,457.69
CDISCOUNT	€7,457,754.57
CFC	€941,912.67
CIMB	€6,938,833.63
CDIFFCWD	€341,314.45
CDIFFCNP	€32,345.53
CDIFFPIMB	-€251,161.38
CABBPO	-€561,564.74
CCA	€2,806.95
CUNIMB	€1,041,439.37
CAOPO	-€2,294,048.21
CCURL	€7,822.01
CSOCDIFFP	-€3,500.32
CREV	€172,360.59
CIMP	€927,709.67
<b>Total</b>	<b>€14,635,567.10</b>

**Table 7a - Balancing Market Resettlement**

Balancing Market Re-Settlement - Per Run Type		
Component	€ Payment/Charge - M+4	€ Payment/Charge - M+13
CPREMIUM	€1,377,254.62	-€1,495,712.31
CDISCOUNT	€6,506,120.31	€951,634.27
CFC	€1,590,709.61	-€648,796.93
CIMB	€2,636,299.04	€4,302,534.60
CDIFFCWD	€93,636.69	€247,677.76
CDIFFCNP	€39,096.42	-€6,750.89
CTEST	€0.00	€0.00
CDIFFPIMB	-€205,327.31	-€45,834.07
CABBPO	-€563,040.84	€1,476.10
CCA	€1,735.33	€1,071.62
CUNIMB	€935,635.58	€105,803.78
CAOPO	-€2,053,538.57	-€240,509.63
CCURL	€64,720.59	-€56,898.59
CSOCDIFFP	€8,669.66	-€12,169.99
CREV	€86,953.04	€85,407.54
CIMP	€554,761.94	€372,947.72
<b>Total</b>	<b>€11,073,686.12</b>	<b>€3,561,880.98</b>

Table 7b - Balancing Market Resettlement

Capacity Market Re-Settlement	
Component	€ Payment/Charge
CCC	-€685,784.37
CCP	€4,334,673.30
<b>Total</b>	<b>€3,648,888.93</b>

Table 8a - Capacity Market Resettlement

Capacity Market Re-Settlement - Per Run Type		
Component	€ Payment/Charge - M+4	€ Payment/Charge - M+13
CCC	-€156,452.70	-€529,331.67
CCP	€3,019,613.65	€1,315,059.65
<b>Total</b>	<b>€2,863,160.95</b>	<b>€785,727.98</b>

Table 8b - Capacity Market Resettlement

Market Operator Charges Re-Settlement	
Component	€ Payment/Charge
CMOAU	-€194.94
CMOAV	€1.03
CVMO	€81,001.23
<b>Total</b>	<b>€80,807.33</b>

Table 9a - Market Operator Charges Resettlement

Market Operator Charges Re-Settlement - Per Run Type		
Component	€ Payment/Charge - M+4	€ Payment/Charge - M+13
CMOAU	-€194.94	€0.00
CMOAV	€1.03	€0.00
CVMO	€50,306.93	€30,694.30
<b>Total</b>	<b>€50,113.02</b>	<b>€30,694.30</b>

**Table 9b - Market Operator Charges Resettlement**

On 24/01/2019 there was a high price event where the imbalance price rose above the strike price of €500/MWh for a number of periods during the day, resulting in materially incorrect difference payments and charges. As a result, there was a manual adjustment carried out which resulted in approx. €7.4M being withheld. As the M+4 re-settlement of this date was carried out in the past year, the above difference calculated at M+4 was also manually adjusted to account for these amounts. The above figures were updated to reflect this<sup>1</sup>.

### 3.4 Imbalance Price

#### 3.4.1 Imbalance Price

There are two types of Imbalance Price referred to in this section; the Imbalance Price which is the price associated with a 5 Minute Imbalance Pricing Period and, secondly, an Imbalance Settlement Price which is calculated as the average of six “5 Minute Imbalance Prices” for a corresponding 30 minute Imbalance Settlement Period.

**Figure 5** shows the Imbalance Settlement Prices for the entire year, from October 2019 to September 2020. All system calculated Imbalance Settlement Prices are published on this graph; both the Market Back up Price and the 30 minute average of the Imbalance Price. The average Imbalance Settlement Price during this annual period was €37.24. The maximum Imbalance Settlement Price was €495.59<sup>2</sup> and the minimum was -€390.13.

<sup>1</sup> Financial Statistics Disclaimer: the above information represents settlement data aggregated during the year in assessment, which may be different to the accounting data audited post settlement period.

<sup>2</sup> The published Imbalance Settlement Price was incorrectly calculated using an Administered Scarcity Price (€2,785.50) for the Imbalance Pricing Period 09:10 to 09:15 (IST). The cause of this error was due to erroneous system reserve information feeding the Imbalance Pricing calculation from the Real-Time Dispatch schedule. The corrected Imbalance Settlement Price of €34.07 for the period 09:00 to 09:30, calculated as the average of the six Imbalance Prices for this period, was later corrected in Indicative Settlement and subsequent Settlement iterations for 23 April 2020.

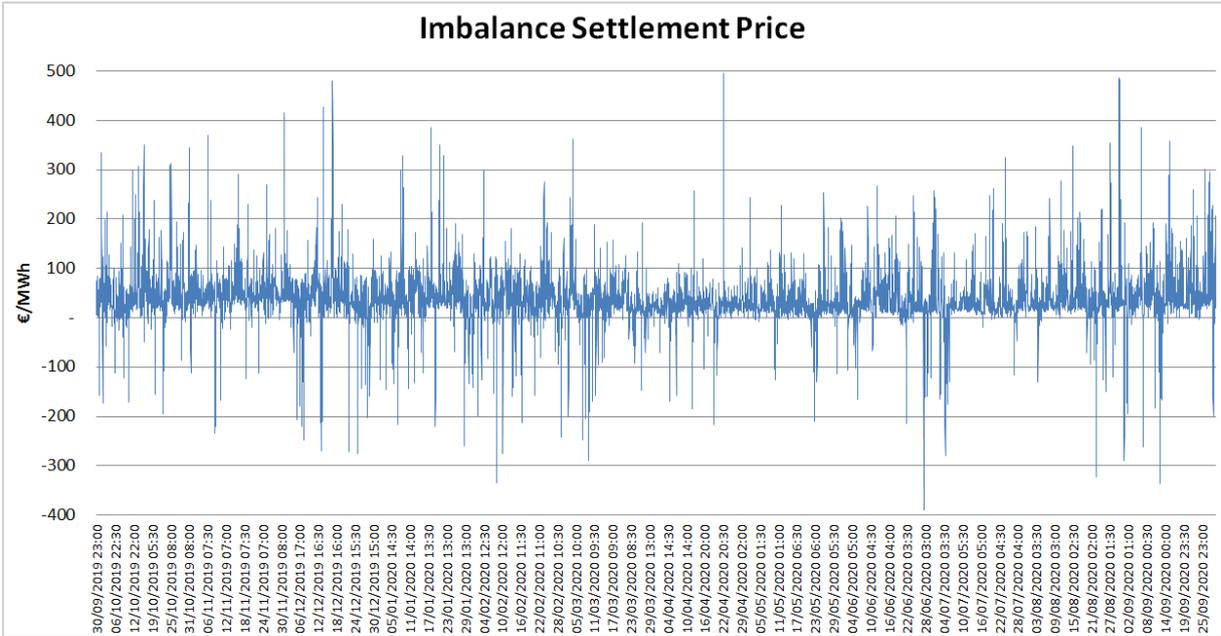


Figure 5 – Imbalance Settlement Price

Figure 6 shows the Quantity Weighted Ex-Ante Price as a comparator to the Imbalance Settlement Price. The Quantity Weighted Ex-Ante Price is the value used by SEMO as the Market Back Up Price, should the Market Operator not be able to calculate an Imbalance Settlement Price; based on the average of the six Imbalance Prices for a given Imbalance Settlement Period.

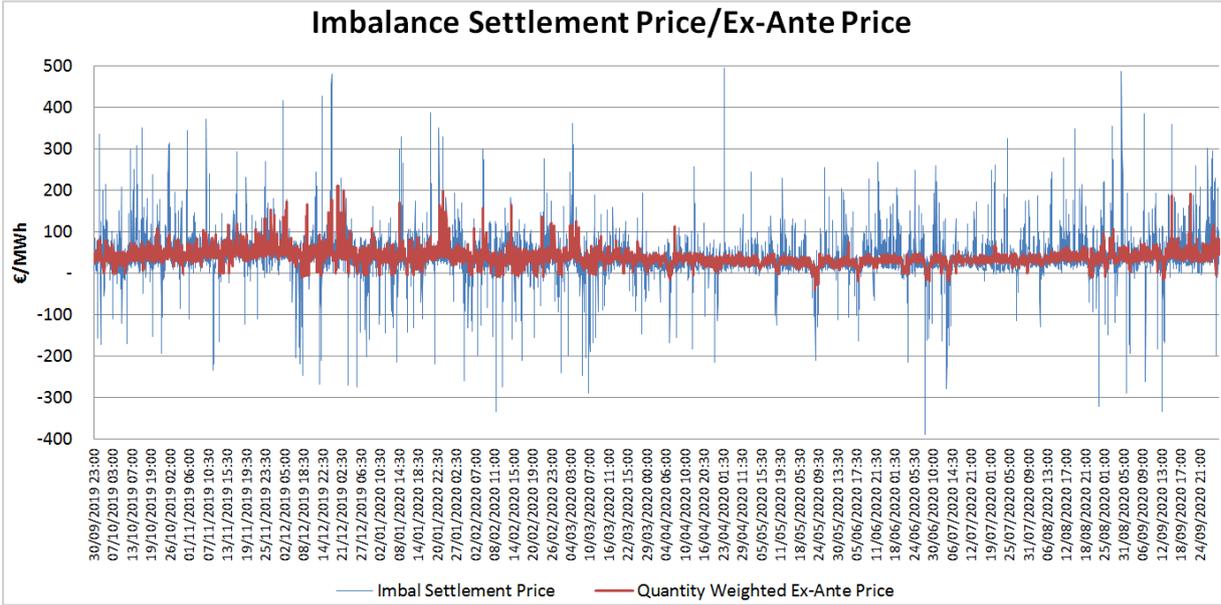
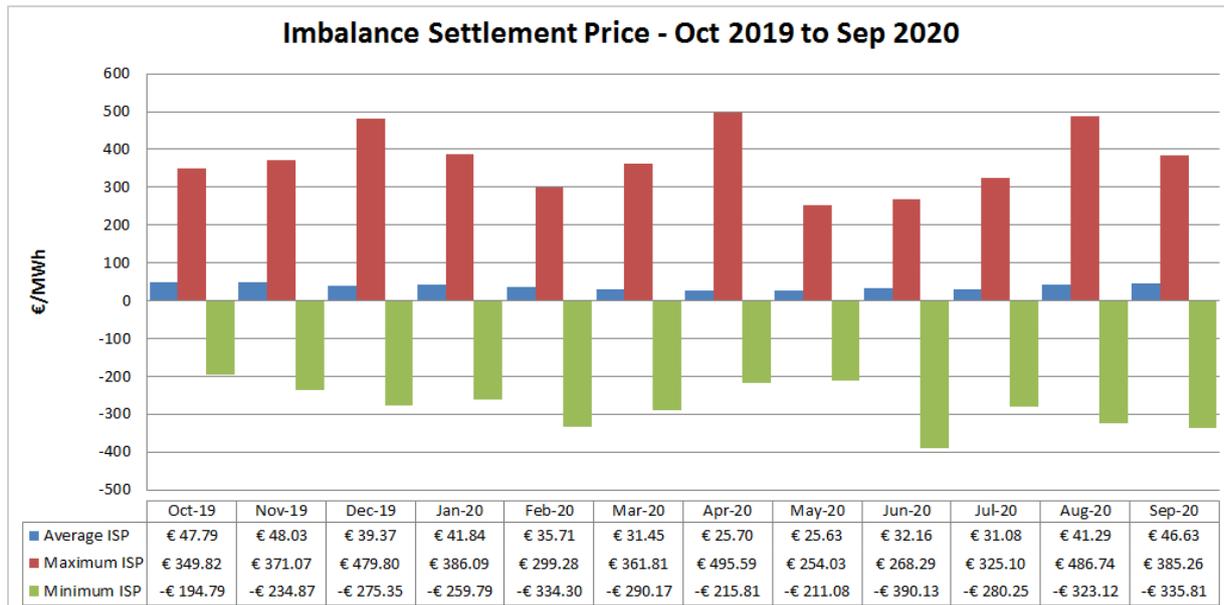


Figure 6 – Imbalance Settlement Price & Quantity Weighted Ex-Ante Price Comparison

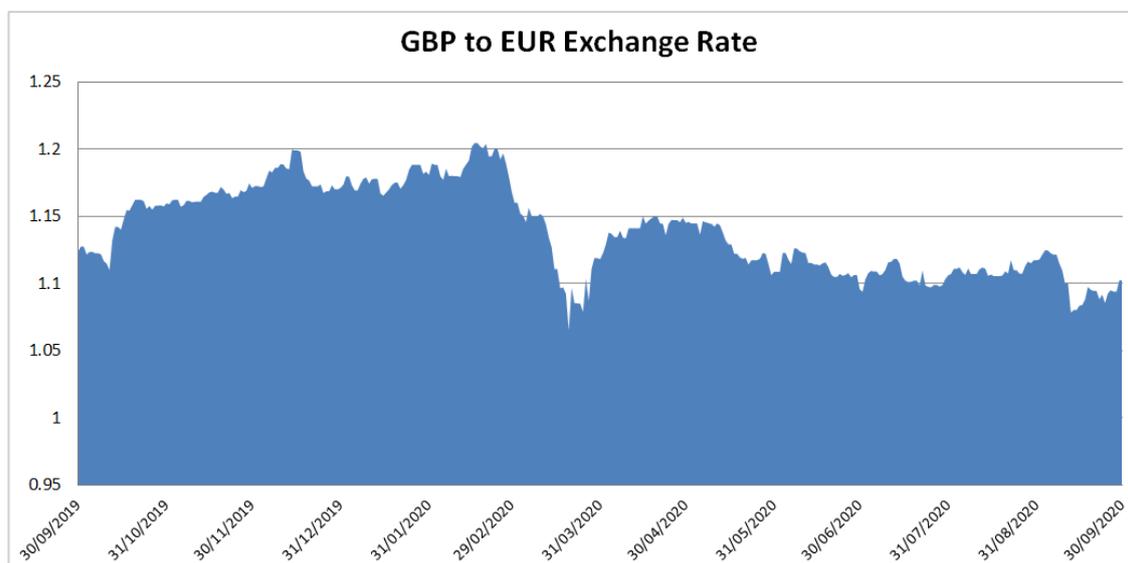
**Figure 7** highlights the monthly Highest, Lowest and Average half-hour Imbalance Prices for the period October 2019 to September 2020.



**Figure 7 – Highest, Lowest and Average Imbalance Prices**

### 3.4.2 Exchange Rate

The SEM is a dual currency market. Units based in Northern Ireland submit their Offer Data in GBP. All GBP Offer Data is converted to EUR as part of the Balancing Market price setting process. The GBP to EUR exchange rate is captured below in **Figure 8**.



**Figure 8 - GBP to EUR exchange rate**

### 3.4.3 Imbalance Price Generation and Backup Price

Figure 9 below highlights how many instances in which the Market Backup Price was published.

Included in this table is the count of the Market Backup Price. This is calculated automatically by the Market Systems in the event that one or more 5 minute Imbalance Prices have not been calculated for an Imbalance Settlement Period<sup>1</sup>. This figure also includes the Ex-Ante Backup Price which is used as a contingency in the event of failure of the automatic Market Backup Price.

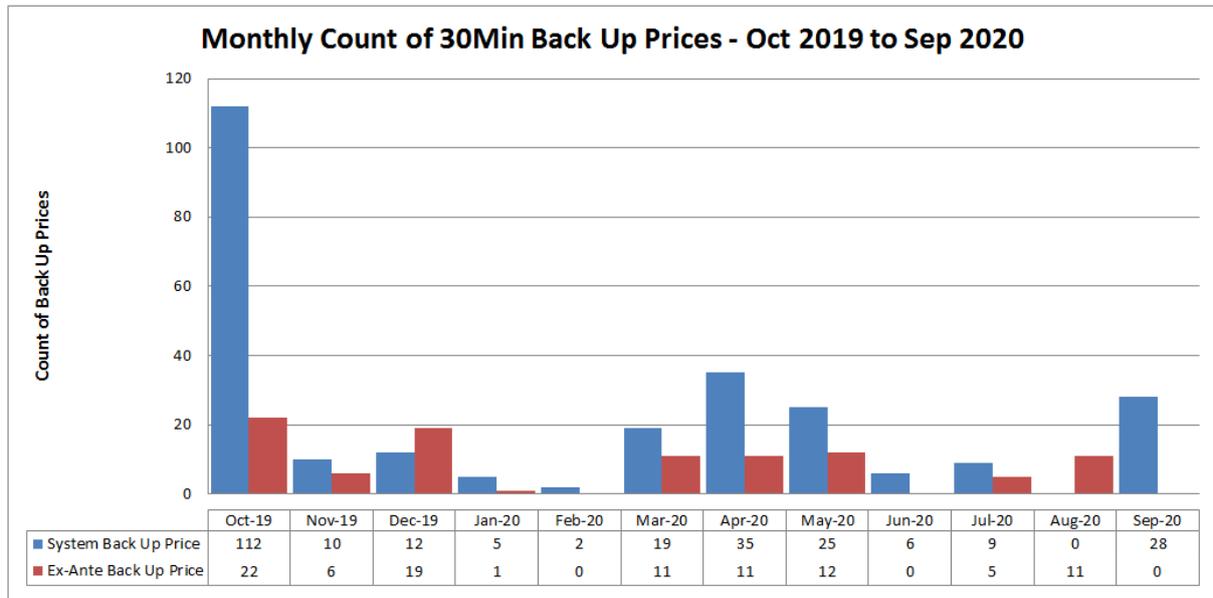


Figure 9 - Number of Backup Prices used October 2019 to September 2020

Figure 10 highlights how many five minute Imbalance Prices were missed in each calendar month. As outlined above, if one or more five minute Imbalance Prices are not published in one Imbalance Settlement Period, then the Market Backup Price is used as the corresponding Imbalance Settlement Price.

During the month of October 2019, there was a total of 134 Market Back Up Prices applied (both Ex-Ante and System Back Up Prices), of which 109 applied were due to workflow/system performance issues in which the 5 min imbalance period price did not calculate and 25 applied were due to planned and emergency outages to facilitate Release D and essential maintenance of the Market Systems.

<sup>1</sup> Pending implementation of approved Mod\_03\_19 'Amended Application of the Market Back Up Price if an Imbalance Price(s) Fails to Calculate'. This modification means that the Imbalance Settlement Price will include any 5-minute Imbalance Prices that have calculated in an Imbalance Settlement Period rather than reverting to the Market Back Up Price for all periods where one Imbalance Price fails to calculate.

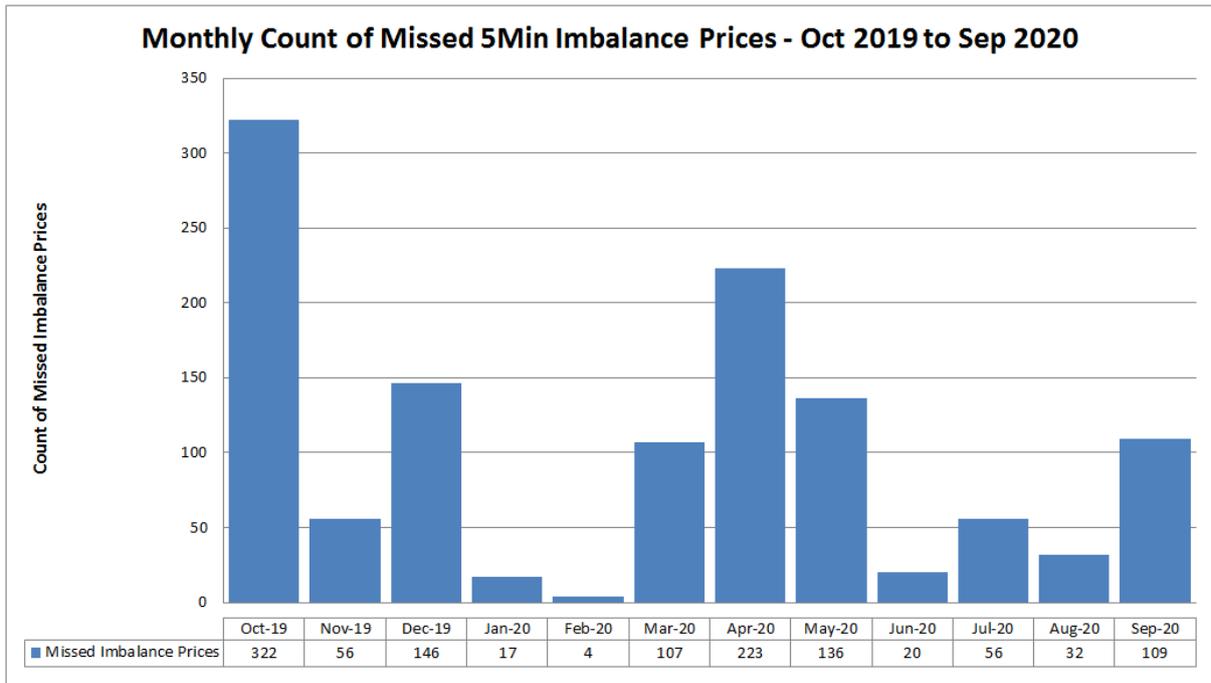


Figure 10 – Summary of Missed 5Min Imbalance Prices

### 3.5 Central Systems

#### 3.5.1 System Availability

The table below gives the system availability value for the period of October 2019 to September 2020 as well as the breakdown per system.

System / Application	Annual Availability %
Settlements (CSB)	100%
MI	99.94%
MA	99.998%
Reporting	99.94%
Website	99.998%
Average System Availability	99.97%

Table 10 - Annual System Availability

#### 3.5.2 Limited Communication Failure (LCF), General Communication Failure (GCF) and General System Failure (GSF)

There were 2 LCF requests, by the same participant, encountered during this period with respect to the submission of Physical Notifications.

- A Limited Communication Failure was declared on 30 October 2019; the Market Participant submitted an excel file to the Market Operator to load in back up mode. The request was denied due to the format of the submission. The participant was advised to refer to the LCF Participant Guide.

- A subsequent Limited Communication Failure was declared on 31 October 2019. The same Market Participant provided an xml to the Market Operator. The xml failed validation; no further attempts were made by the Market Participant to resubmit their Offer Data via back up mode. The participant was advised to refer to the LCF Participant Guide for future LCF submissions.

There were 2 GCFs declared during this period which occurred in the months of March and April 2020.

- The first GCF was in relation to connectivity issues with the MPI which impacted both type 2 and type 3 access to the Balancing Market Systems (BMI) during the period between 23:43 on 25 March and 02:23 on 26 March 2020. A Market Message was issued to participants regarding this issue at 13:30 on 26<sup>th</sup> of March 2020.
- The second GCF was caused by an unexpected UPC upgrade in the Dublin office where a server was disconnected and did not automatically reconnect at 09:30 on Saturday, 25 April 2020. As a result, this incident caused connectivity issues to a number of external interfaces which impacted both type 2 and type 3 access to the Balancing Market Systems (BMI), connection to the ETS client and all file transfers between ICMP and EPEX during the Day-Ahead Market Auction (TD 26/04/2020). The Trading Operations immediately raised the issue with 24x7 Support Desk who mobilised the relevant EirGrid and system vendor support teams as per our Incident Management Process. Market Messages were sent out to Market Participants providing them updates on the issue. Three Market Participants raised the issue with SEMO and they were advised to follow the procedure in the LCF Participant Guide for any submissions to the BMI during this time. None were received by Trading Operations during this period. The connection was rerouted around 12:00, allowing successful connections to the MPI, ETS platform and external file transfers in ICMP, in time for the completion of the DAM with only a slight delay to market results publication and post-coupling events. A Market Message was sent out to Participants to advise resolution in advance of the PN submission deadline.

There were no GSFs from October 2019 to September 2020.

## 4 Change Request Management

### 4.1 System releases

Please see below the Market System Releases deployed to the Production environment in the period 1 October 2019 to 30 September 2020.

- Release D – Deployed to production on the 15<sup>th</sup> of October 2019
- Release D.2 - Deployed to production on the 4<sup>th</sup> of December 2019 (hotfixes)
- Release E – Deployed to production on 28<sup>th</sup> of April 2020.
- Release E.2 – Deployed to production on 7<sup>th</sup> of July 2020.

### 4.2 Modifications

#### 4.2.1 Balancing Market – Trading & Settlement Code Modification Management

The tables that follow give an overview of the activity that has taken place between 1 October 2019 and 30 September 2020. Table 11 shows the dates and number of Modifications Committee Meetings and Working Groups that took place over this period.

Meeting	Date	Location
94	24 <sup>th</sup> October 2019	Belfast
95	5 <sup>th</sup> December 2019	Dublin
96 (Extraordinary Meeting)	18 <sup>th</sup> December 2019	Conference Call
97	20 <sup>th</sup> February 2020	Belfast
97B (Extraordinary Meeting)	16 <sup>th</sup> April 2020	Conference Call
98	23 <sup>rd</sup> April 2020	Conference Call
99	18 <sup>th</sup> June 2020	Conference Call
100	20 <sup>th</sup> August 2020	Conference Call
101B (Extraordinary Meeting)	17 <sup>th</sup> September 2020	Conference Call
Mod_15_19 Working Group 1	15 <sup>th</sup> November 2019	Conference Call
Mod_14_19 Working Group 2	20 <sup>th</sup> February 2020	Belfast
Mod_13_19 Industry Call	21 <sup>st</sup> July 2020	Conference call

**Table 11: Balancing Market: Trading & Settlement Code Modifications Committee Meetings**

At the Modifications Committee Meetings, decisions are made with regard to progressing various Modification Proposals. Table 12 gives an outline of the amount of activity that has taken place over this annual period.

Modification Proposal Activity	Total
Raised	21
Alternative Versions raised	2
Withdrawn	2
Deferred	3
Extension Granted	3
Recommended for Approval	17
Recommended for Rejection	1
Further Work Required	0
Approved	14
Rejected	2
RA Direction	1

**Table 12 - Modification Proposal Activity**

#### 4.2.2 Publication of the Trading & Settlement Code

Version 22.0 of the Trading & Settlement Code was published on 3 July 2020. Fourteen Modifications were included in this version, which are noted in the version history of the Trading & Settlement Code.

#### 4.2.3 2020 - Modifications Committee Elections

Modifications Committee Annual Elections commenced in July with a call for nominations for five expiring positions on the Modifications Committee. The following nominees were elected to the Modifications Committee:

Expired Member	New Member	Position
Paraic Higgins	Paraic Higgins	Generator
Sinead O'Hare	Stacy Feldmann	Generator
Jim Wynne	Philip Carson	Supplier
Philip McDaid	Bryan Hennessy	Supplier
Paddy Finn	Robert McCarthy	DSU

The election for Chair and Vice-Chair took place in September with Paraic Higgins (ESB) voted as Chair and Andrew Burke (IWEA) elected to the position of Vice-Chair.

#### 4.2.4 Balancing Market - Modifications Process Development

Modification Proposals were considered at bi-monthly Modifications Committee Meetings or extraordinary meetings and Working Groups as required, mostly by conference call (see Table 11). Full details of all modifications progressed during the year are available in the Balancing Market Modifications section of the SEMO website.

The Trading and Settlement Code Modifications area has continued to process significant levels of activity since going live in October 2018.

Proposals have shifted from those mainly concerned with corrections of errors which have been identified after go-live, to targeting early additions, enhancements, refinements or longer term projects. Because of the greater impact, these types of proposals tend to have a longer lifespan over a larger number of industry meetings requiring a higher level of analysis and impact assessments. This is confirmed by the number of additional Extra-ordinary meetings and Working Groups that have been necessary to progress issues. Furthermore, as evidence of the complexities of the issues now debated in these fora, for the first time since the 2014 legal review of the deed of Charge, the Panel had to resort to external legal advice for the deliberation of a Modification.

### **Recommended for Approval**

- Mod\_03\_18 Autoproducer Credit Cover
- Mod\_16\_19 Codification of TSO FNDDS Methodology and System Service Flag for DSU Settlement
- Mod\_17\_19 DSU State Aid Compliance Interim Approach
- Mod\_18\_19 Clarification to apply Recoverable Start Up Costs to DSUs
- Mod\_19\_19 Determining the use of Complex Commercial Offer Data in Settlement when required information is not available
- Mod\_20\_19 Changing Day-Ahead Difference Quantity to Day-Ahead Trade Quantity in Within Day Difference Charge Calculations
- Mod\_21\_19 Loss Adjustment Factor Application for Interconnectors
- Mod\_22\_19 Correction of QUNDELLOTOL calculations to convert TOLUG and TOLOG to MWh
- Mod\_23\_19 Modification to allow the Market Operator to seek relief from an obligation under Section E.3 of the TSC in exceptional circumstances (until 1 January 2021).
- Mod\_24\_19 Amendments to Unsecured Bad Debt and Suspension Provisions Related to Supplier of Last Resort
- Mod\_01\_20 PMEA No Energy Action Same Direction as NIV
- Mod\_02\_20 Housekeeping Feb 2020
- Mod\_03\_20 Temporary Modification to Section B.18.3.2 to introduce an RA approval process for all Suspension Orders
- Mod\_04\_20 Voting clarification and additional transparency
- Mod\_05\_20 Provisions for the settlement of CEADSU
- Mod\_09\_20 Number of days for Interest Calculation
- Mod\_10\_20 Rescind CCIN via email when indicative settlement is delayed

### **RA Decision Approved**

- Mod\_16\_19 Codification of TSO FNDDS Methodology and System Service Flag for DSU Settlement
- Mod\_17\_19 DSU State Aid Compliance Interim Approach
- Mod\_18\_19 Clarification to apply Recoverable Start Up Costs to DSUs
- Mod\_19\_19 Determining the use of Complex Commercial Offer Data in Settlement when required information is not available
- Mod\_20\_19 Changing Day-Ahead Difference Quantity to Day-Ahead Trade Quantity in Within Day Difference Charge Calculations
- Mod\_21\_19 Loss Adjustment Factor Application for Interconnectors
- Mod\_22\_19 Correction of QUNDELOTOL calculations to convert TOLUG and TOLOG to MWh
- Mod\_23\_19 Modification to allow the Market Operator to seek relief from an obligation under Section E.3 of the TSC in exceptional circumstances (until 1 January 2021).
- Mod\_24\_19 Amendments to Unsecured Bad Debt and Suspension Provisions Related to Supplier of Last Resort
- Mod\_02\_20 Housekeeping Feb 2020
- Mod\_03\_20 Temporary Modification to Section B.18.3.2 to introduce an RA approval process for all Suspension Orders
- Mod\_04\_20 Voting clarification and additional transparency
- Mod\_05\_20 Provisions for the settlement of CEADSU
- Mod\_09\_20 Number of days for Interest Calculation

### **Recommended for Rejection**

- Mod\_14\_19 Interconnector representation on the Modifications Committee

### **RA Direction**

- Mod\_08\_20 Imbalance prices to reflect the real-time value of energy

### **RA Decision Rejected**

- Mod\_38\_18 Limitation of Capacity Market Difference Payments to Metered Demand
- Mod\_14\_19 Interconnector representation on the Modifications Committee

### **Withdrawn**

- Mod\_06\_19 Determination of the Marginal Energy Action Price where no energy is available in the Net Imbalance Volume
- Mod\_07\_20 Balancing Modifications Committee Composition and constitution definitions

## 5 General Market Information

### 5.1 Query Management

#### 5.1.1 General Queries

The statistics presented in Table 13 - Helpdesk Query Statistics cover the period of 1 October 2019 to 30 September 2020.

Received	Resolved	Open
2107	2135	59

Table 13 – Helpdesk Query Statistics

#### Definitions

- Resolved refers to queries resolved within this period, and includes queries raised before this time.
- Open refers to queries raised, but not resolved as of 30 September 2020.

#### 5.1.2 Settlement Queries

There were 231 Formal Settlement queries raised from October 2019-September 2020; 196 have been upheld, 29 not upheld, 4 rejected and 2 withdrawn.

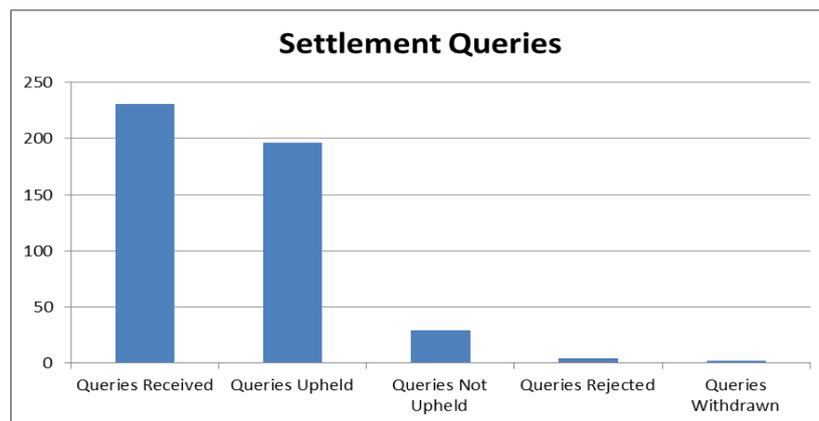


Figure 11 – Settlement Queries 01/10/2019 – 30/09/2020

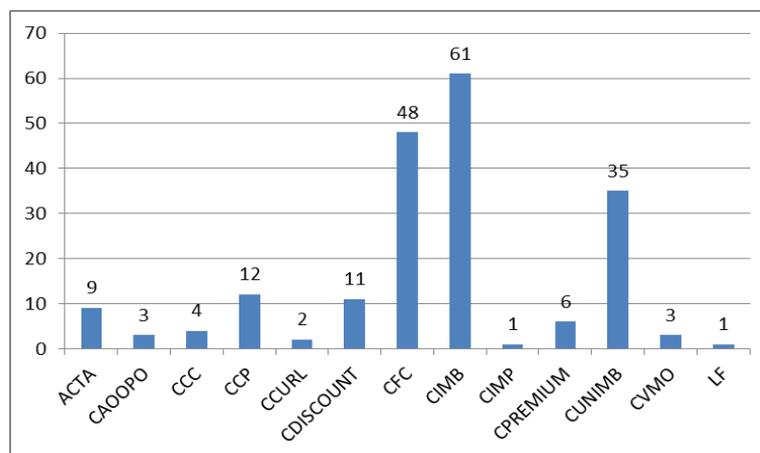


Figure 12– Upheld Settlement Queries by Topic

Further Details on Settlement queries that have been upheld can be found in Appendix C.

### Unresolved Queries

No queries raised during October 2019-September 2020 are currently unresolved.

#### 5.1.3 Disputes

There were seven Disputes raised during 1 October 2019 to 30 September 2020. Please see below table which represents the volume of Disputes raised per a Dispute Category.

Dispute Category	Number Of Disputes	Disputes Upheld	Disputes not Upheld	Disputes Rejected	Disputes Withdrawn by Participant
General Dispute	4	2	1		1
Pricing Dispute	1	1			
Settlement Dispute	2	1	1		

**Table 14 – Disputes by Category**

## 5.2 Joining and Terminating Parties and Units

Between 1 October 2019 to 30 September 2020 8 Parties joined the Market and 64 units went effective in the Market. Please see below for further details.

### 5.2.1 Facilitate and Educate participants to accede to the Balancing Market Code

The below Parties joined the Market between 1 October 2019 to 30 September 2020:

Party Name	Party ID	Participant ID	Unit ID
Derrysallagh Supply Limited	PY_000269	PT_400450	GU_403820/SU_400344
Glow Power Limited	PY_034073	PT_402562	SU_400339
Fallback Limited	PY_034075	PT_402564	GU_403810/SU_400342
GreenSpark Analytics	PY_034076	PT_402565	AU_400116
Dvalin ApS	PY_034084	PT_402521	AU_500114
ABO Wind Supply Limited	PY_034086	PT_402570	GU_404120/SU_400347
Cobblestone Energy Limited	PY_034091	PT_502523	AU_500115
Ever Energy Supply Limited	PY_034092	PT_402575	SU_400349

**Table 15 - Parties who joined the market October 2019 – September 2020**

The below units went effective in the Market between 01 October 2019 and 30 September 2020:

Party Name	Party ID	Participant ID	Unit ID
BRI Green Energy Limited	PY_000068	PT_400062	GU_403940
BRI Green Energy Limited	PY_000068	PT_400062	GU_403930
ElectroRoute Energy Supply Limited	PY_000171	PT_400200	GU_403920
Cloghaneleskirt Energy Supply Limited	PY_000195	PT_402542	SU_400346
Fallback Limited	PY_034075	PT_402564	GU_403810
Fallback Limited	PY_034075	PT_402564	SU_400342
ESB	PY_000030	PT_400030	GU_403790
SSE Airtricity Limited	PY_000021	PT_400021	AU_400119
SSE Airtricity Energy Supply (NI) Limited	PY_000022	PT_500021	AU_500113
SSE Airtricity Limited	PY_000021	PT_400021	GU_403840
ElectroRoute Energy Supply Limited	PY_000171	PT_400200	GU_403880
Glow Power Limited	PY_034073	PT_402562	SU_400339
ESB	PY_000030	PT_500024	GU_503400
Axpo UK Limited	PY_034070	PT_402560	GU_403830
Axpo UK Limited	PY_034070	PT_402560	GU_403900
Axpo UK Limited	PY_034070	PT_402560	GU_403910
SSE Airtricity Limited	PY_000021	PT_400021	GU_403950
GreenSpark Analytics	PY_034076	PT_402565	AU_400116
Electroroute Energy Trading Limited	PY_000098	PT_400096	AU_400122
Electroroute Energy Trading Limited	PY_000098	PT_400096	AU_400123
ElectroRoute Energy Supply Limited	PY_000171	PT_400200	AU_400120
ElectroRoute Energy Supply Limited	PY_000171	PT_400200	AU_400121
Axpo UK Limited	PY_034070	PT_502520	GU_503380
Axpo UK Limited	PY_034070	PT_502520	GU_503370
Axpo UK Limited	PY_034070	PT_502520	GU_503390
SSE Airtricity Limited	PY_000021	PT_400021	GU_403980
Naturgy Limited	PY_000054	PT_400051	GU_403970
Cenergise Trading Limited	PY_000250	PT_400300	SU_400348
ElectroRoute Energy Supply Limited	PY_000171	PT_400200	GU_403990
iPower Solutions Limited	PY_000093	PT_500053	DSU_503420
iPower Solutions Limited	PY_000093	PT_500053	SU_500307
BRI Green Energy Limited	PY_000068	PT_400062	GU_404210
Statkraft Markets GmbH	PY_034046	PT_402540	GU_404000
ABO Wind Supply Limited	PY_034086	PT_402570	SU_400347
Ronaver Energy Limited	PY_000194	PT_400460	GU_403000
Derrysallagh Supply Limited	PY_000269	PT_400450	GU_403820
Derrysallagh Supply Limited	PY_000269	PT_400450	SU_400344
Power NI	PY_000035	PT_500028	GU_503790
Power NI	PY_000035	PT_500028	GU_503800
Power NI	PY_000035	PT_500028	GU_503810
Power NI	PY_000035	PT_500028	GU_503820
BRI Green Energy Limited	PY_000068	PT_400062	GU_404290

Dvalin ApS	PY_034084	PT_502521	AU_500114
Energia Customer Solutions Limited	PY_000043	PT_400043	AU_400125
Energia Customer Solutions Limited	PY_000043	PT_400043	AU_400126
Statkraft Markets GmbH	PY_034046	PT_402540	GU_404010
Statkraft Markets GmbH	PY_034046	PT_402540	GU_404300
Power NI	PY_000035	PT_500028	GU_503830
Power NI	PY_000035	PT_500028	GU_503840
Power NI	PY_000035	PT_500028	GU_503850
Power NI	PY_000035	PT_500028	AU_500116
Cobblestone Energy Limited	PY_034091	PT_502523	AU_500115
Endeco Technologies Limited	PY_000126	PT_400133	SU_400352
Ever Energy Supply Limited	PY_034092	PT_402575	SU_400349
Power NI	PY_000035	PT_500028	GU_503860
Electricity Exchange Limited	PY_000114	PT_400116	DSU_403560
Electricity Exchange Limited	PY_000114	PT_400116	SU_400355
EnerNOC Ireland Limited	PY_000088	PT_400090	DSU_403450
EnerNOC Ireland Limited	PY_000088	PT_400090	SU_400353
Mantlin Limited	PY_000051	PT_500039	GU_503900
EnerNOC Ireland Limited	PY_000088	PT_400090	DSU_403470
EnerNOC Ireland Limited	PY_000088	PT_400090	SU_400354
Convex Energy GmbH	PY_034067	PT_402558	AU_400128
Iberdrola Ireland Limited	PY_034066	PT_402557	GU_404450

**Table 16– Registrations October 2019 – September 2020**

The below units de-registered from the Market between 1 October 2019 and 30 September 2020:

Party Name	Party ID	Participant ID	Unit ID
SSE Airtricity Limited	PY_000021	PT_400021	GU_401170
SSE Airtricity Limited	PY_000021	PT_400021	GU_401630
SSE Airtricity Limited	PY_000021	PT_400021	GU_401640
SSE Airtricity Energy Supply (NI) Limited	PY_000022	PT_500021	GU_501690
SSE Airtricity Energy Supply (NI) Limited	PY_000022	PT_500021	GU_503200
SSE Airtricity Energy Supply (NI) Limited	PY_000022	PT_500021	GU_503210
SSE Airtricity Energy Supply (NI) Limited	PY_000022	PT_500021	GU_501310
Ballywater Windfarms Limited	PY_000025	PT_400025	GU_400130
Bord Gais Energy Limited	PY_000027	PT_400028	GU_401260
ESB	PY_000030	PT_400030	GU_400300
ESB	PY_000030	PT_400030	SU_400102
ESB	PY_000030	PT_400031	GU_400430
Energia Customer Solutions NI Limited	PY_000042	PT_500030	GU_501300
Energia Customer Solutions NI Limited	PY_000042	PT_500030	GU_501570
Energia Customer Solutions NI Limited	PY_000042	PT_500030	GU_501530
Energia Customer Solutions NI Limited	PY_000042	PT_500030	GU_501540
Energia Customer Solutions NI Limited	PY_000042	PT_500030	GU_501290
Energia Customer Solutions NI Limited	PY_000042	PT_500030	GU_501120

Mantlin Limited	PY_000051	PT_500039	GU_500270
Church Hill Energy Limited	PY_000104	PT_500061	GU_501170
Crighshane Energy Limited	PY_000105	PT_500062	GU_501180
Just Energy (Ireland) Limited	PY_000174	PT_400211	SU_400216
Harp Energy Supply Limited	PY_000178	PT_400217	GU_402170
Harp Energy Supply Limited	PY_000178	PT_400217	SU_400220
Teevurcher Supply Limited	PY_000183	PT_400215	SU_400224
Brookfield Renewable Supply 4 Limited	PY_000191	PT_400230	GU_402310
Brookfield Renewable Supply 4 Limited	PY_000191	PT_400230	GU_402320
Cloghaneleskirt Energy Supply Limited	PY_000195	PT_402542	SU_400330
B and R Supply Limited	PY_000196	PT_400237	SU_400233
Convex Energy GmbH	PY_034067	PT_402558	AU_400114

**Table 17- De-Registrations October 2019 – September 2020**

### **Termination of Participants**

There were no terminating parties between 1 October 2019 and 30 September 2020.

### **Suspension of Participants**

No Suspension Orders were issued by the Market Operator between 1 October 2019 and 30 September 2020.

## **6 Manage Stakeholders**

### **6.1 Structured Approach to Regulatory interface**

SEMO and the Regulatory Authorities have developed a good working relationship around a number of formal interactions. The highlights of 2019-2020 are summarised below:

- Yearly parameters for SEM issued according to Trading & Settlement Code requirements;
- Ongoing collaboration in the area of Trading & Settlement Code modification with a large volume of proposals delivered as required;
- Monthly discussion with the Market Monitoring Unit (MMU) to track items of interest relating to market monitoring, compliance and surveillance;
- Ongoing collaboration in relation to Guarantees of Origin and Fuel Mix Disclosure processes, including the rolling and annual Fuel Mix Disclosure calculations, and the Green Source Product Verification.

### **6.2 Facilitate Interaction with Customers**

SEMO is proactive in interaction with its stakeholders. In the past 12 months SEMO has:

- Facilitated Monthly Market Operator User Groups, more details can be found in Appendix E;
- Held weekly Participant calls providing Market Operator updates;
- Facilitated calls and meetings with Market Participants on specific topics as required;
- Facilitated registration calls and meetings for both new and existing Market Participants as required;
- Facilitated individual stakeholder meetings as required.

## Appendix A: Trading and Settlement Code Breaches

### Meter Data Provider Breaches

Ops Date Identified	Run Type	Issue	MDP Provider	Issue Type	Description	T&SC Breach	Status
02/10/2019	D+1	Timing	MRSO	File Submission of metered data	Delay of 70 mins	Minor	Closed
10/10/2019	D+4	Timing	SONI MDP	File Submission of metered data	Delay of 41 mins	Minor	Closed
31/10/2019	D+4	Timing	SONI MDP	File Submission of metered data	Delay of 49 mins	Minor	Closed
07/10/2019	D+1	Timing	EirGrid MDP	File Submission of Actual Availabilities	Delay of 26 mins	Minor	Closed
07/11/2019	D+1	Timing	SONI MDP	File Submission of Dispatch Instructions	Delay of 46 mins	Minor	Closed
25/11/2019	D+1	Timing	EirGrid MDP	File Submission of Actual Availabilities	Delay of 7 mins	Minor	Closed
03/12/2019	D+4	Timing	MRSO	File Submission of metering data	Delay of 1 Business Day	Minor	Closed
06/12/2019	D+1	Timing	MRSO	File Submission of metering data	Delay of 1 Business Day	Minor	Closed
07/12/2019	D+1	Timing	MRSO	File Submission of metering data	Delay of 1 Business Day	Minor	Closed
08/12/2019	D+1	Timing	MRSO	File Submission of metering data	Delay of 1 Business Day	Minor	Closed
10/12/2019	D+1	Timing	EirGrid MDP	File Submission of Actual Availabilities	Delay of 160 mins	Minor	Closed
11/12/2019	D+1	Timing	EirGrid MDP	File Submission of Actual Availabilities	Delay of 1 Business Day	Minor	Closed
13/01/2020	D+1	Timing	SONI	File submission of Actual Availability	Delay of 1 Business Day	Minor	Closed
17/01/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 1 Business Day	Minor	Closed
18/01/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 1 Business Day	Minor	Closed
19/01/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 1 Business Day	Minor	Closed
21/01/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 4 mins	Minor	Closed
23/01/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 17 mins	Minor	Closed
24/01/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 20 mins	Minor	Closed
25/01/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 23 mins	Minor	Closed
26/01/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 26 mins	Minor	Closed
26/01/2020	D+1	Timing	SONI	File submission of Actual Availability	Delay of 21 mins	Minor	Closed
27/01/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 1 Business Day	Minor	Closed
30/01/2020	D+1	Timing	SONI	File submission of Actual Availability	Delay of 4 mins	Minor	Closed
31/01/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 167 mins	Minor	Closed
14/01/2020	D+4	Timing	MRSO	File submission of metering data	Delay of 1 Business Day	Minor	Closed
01/02/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 138 mins	Minor	Closed
02/02/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 142 mins	Minor	Closed
05/02/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 16 mins	Minor	Closed
06/02/2020	D+1	Timing	MRSO	File submission of metering data	Delay of 47 mins	Minor	Closed
18/02/2020	D+1	Timing	EirGrid	File submission of metering data	Delay of 49 mins	Minor	Closed
02/02/2020	D+4	Timing	MRSO	File submission of metering data	Delay of 1 Business day	Minor	Closed
05/03/2020	D+1	Timing	NIE	File submission of metering data	Delay of 192 mins	Minor	Closed
25/03/2020	D+1	Timing	SONI	File submission of metering data	Delay of 199 mins	Minor	Closed
11/03/2020	D+1	Timing	Eirgrid	File Submission of ACTA data	Delay of 18 mins	Minor	Closed
11/03/2020	D+1	Timing	Eirgrid	File Submission of DI data	Delay of 25 mins	Minor	Closed
15/03/2020	D+1	Timing	Eirgrid	File Submission of DI data	Delay of 67 mins	Minor	Closed
29/03/2020	D+1	Timing	SONI	File Submission of ACTA data	Delay of 69 mins	Minor	Closed
29/03/2020	D+1	Timing	Eirgrid	File Submission of DI data	Delay of 107 mins	Minor	Closed
31/03/2020	D+1	Timing	SONI	File Submission of ACTA data	Delay of 1 Business Day	Minor	Closed
29/03/2020	D+4	Timing	SONI	File Submission of DI data	Delay of 13 mins	Minor	Closed
01/04/2020	D+1	Timing	SONI	File submission of DI data	Delay of 14 mins	Minor	Closed
02/04/2020	D+1	Timing	SONI	File submission of DI data	Delay of 60 mins	Minor	Closed
18/05/2020	D+1	Timing	SONI	File submission of Metering data	Delay of 62 mins	Minor	Closed
28/05/2020	D+1	Timing	MRSO	File submission of Metering data	Delay of 17 mins	Minor	Closed
25/05/2020	D+4	Timing	MRSO	File submission of Metering data	Delay of 8 mins	Minor	Closed
18/05/2020	D+1	Timing	SONI	File submission of DI data	Delay of 53 mins	Minor	Closed
21/05/2020	D+1	Timing	SONI	File submission of DI data	Delay of 28 mins	Minor	Closed
15/05/2020	D+4	Timing	SONI	File submission of DI data	Delay of 54 mins	Minor	Closed
16/05/2020	D+4	Timing	SONI	File submission of ACTA data	Delay of 48 mins	Minor	Closed
18/05/2020	D+4	Timing	SONI	File submission of ACTA data	Delay of 30 mins	Minor	Closed
18/05/2020	D+4	Timing	SONI	File submission of DI data	Delay of 28 mins	Minor	Closed
04/06/2020	D+1	Timing	MRSO	File submission of Metering data	Delay of 5 mins	Minor	Closed
21/06/2020	D+1	Timing	MRSO	File submission of Metering data	Delay of 124 mins	Minor	Closed
27/07/2020	D+1	Timing	SONI	File submission of Metering data	Delay of 1 Day	Minor	Closed
28/07/2020	D+1	Timing	SONI	File submission of Metering data	Delay of 113 mins	Minor	Closed
29/07/2020	D+1	Timing	SONI	File submission of Metering data	Delay of >1 Day	Minor	Closed
22/07/2020	D+1	Timing	SONI	File submission of DI data	Delay of 7 mins	Minor	Closed
22/07/2020	D+4	Timing	SONI	File submission of DI data	Delay of 7 mins	Minor	Closed
30/07/2020	D+4	Timing	Eirgrid	File submission of DI data	Delay of 1 Day	Minor	Closed
02/08/2020	D+1	Timing	SONI	File submission of Metering data	Delay of 9 mins	Minor	Closed
07/09/2020	D+1	Timing	SONI	File submission of Metering data	Delay of 4 mins	Minor	Closed
24/09/2020	D+1	Timing	SONI	File submission of DI data	Delay of 5 mins	Minor	Closed
24/09/2020	D+4	Timing	SONI	File submission of DI data	Delay of 5 mins	Minor	Closed

Table 18 - Meter data provider breaches

### Market Participant Breaches

Month	Default Notices Issued	No. of Parties
Oct-19	5	5
Nov-19	5	5
Dec-19	7	6
Jan-20	15	15
Feb-20	6	6
Mar-20	5	4
Apr-20	5	5
May-20	6	5
Jun-20	8	7
Jul-20	11	11
Aug-20	6	6
Sep-20	5	4
<b>Total</b>	<b>84</b>	<b>79</b>

Table 19 - Clearing Default Notices

Month	No. of CCIN Issued	No. of Participants
Oct-19	28	7
Nov-19	11	6
Dec-19	54	13
Jan-20	35	13
Feb-20	39	20
Mar-20	26	12
Apr-20	17	8
May-20	12	4
Jun-20	12	2
Jul-20	17	3
Aug-20	24	6
Sep-20	41	8
<b>Total</b>	<b>316</b>	<b>102</b>

Table 20 - CCINs issued

Month	No. of defaults issued	No. of Participants
Oct-19	1	1
Nov-19	-	-
Dec-19	1	1
Jan-20	2	1
Feb-20	1	1
Mar-20	-	-
Apr-20	-	-
May-20	-	-
Jun-20	-	-
Jul-20	-	-
Aug-20	-	-
Sep-20	-	-
<b>Total</b>	<b>5</b>	<b>4</b>

Table 21 - Credit Default Notices

#### Market Operator Defaults

Month	Indicative		
	On Time	Same Day Late	> 1 Day Late
Oct 2019	12	0	19
Nov 2019	6	5	19
Dec 2019	20	2	9
Jan 2020	17	2	12
Feb 2020	13	4	12
Mar 2020	19	1	11
Apr 2020	9	0	21
May 2020	13	3	15
Jun 2020	21	2	7
Jul 2020	21	6	4
Aug 2020	24	3	4
Sep 2020	16	7	7
<b>Totals</b>	<b>191</b>	<b>35</b>	<b>140</b>

Table 22 - Delays to Indicative Settlement Runs

Initial			
Month	On Time	Same Day Late	> 1 Day Late
Oct 2019	18	4	9
Nov 2019	25	3	2
Dec 2019	27	3	1
Jan 2020	27	4	0
Feb 2020	22	6	1
Mar 2020	27	3	1
Apr 2020	12	3	15
May 2020	20	4	7
Jun 2020	29	1	0
Jul 2020	30	1	0
Aug 2020	31	0	0
Sep 2020	29	1	0
<b>Totals</b>	297	33	36

**Table 23 - Delays to Initial Settlement Runs**

## Appendix B: Settlement publication delays

Month	Ops Date Identified	Periods affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
Oct-19	1st-3rd	3	Indicative	Timing	SEMO	Settlements Data issue	Indicative runs were published late	Delay with the set-up of registration capacity data for new tariff year	Data set-up for settlements allowing processing to continue	Minor	Closed
Oct-19	7th, 10th, 14th - 19th, 23rd, 24th, 28th - 31st	14	Indicative	Timing	SEMO	Settlements Data processing issue	Indicative runs were published late	Instruction Profiler data processing issues	Instruction Profiler data processing issues resolved allowing processing to continue. (IP Push times, IP Clock change issue)	Minor	Closed
Oct-19	20th	1	Indicative	Timing	SEMO	Settlements Data processing issue	Indicative runs were published late	Reliability Options scaling factor data incorrect	Reliability Options scaling factor data corrected allowing processing to continue	Minor	Closed
Oct-19	21st & 22nd	2	Indicative	Timing	SEMO	Settlements Data issue	Indicative runs were published late	Issue with importing actual availabilities and dispatch instructions	Actual availabilities and dispatch instructions imported allowing processing to continue	Minor	Closed
Nov-19	1st - 14th, 19th, 22nd - 24th, 27th	19	Indicative	Timing	SEMO	Settlements Data processing issues	Indicative runs were published late <b>after</b> target day due to knock on impacts of a combination of a number of processing issues	Instruction Profiler Long hour issue & Push times / VTOD data issue, delays with processing MDP metered data, Actual availabilities & Dispatch Instructions	Instruction Profiler data processing issues resolved allowing processing to continue. (IP Push times, IP Clock change issue) VTOD data issues resolved MDP data received & processed	Minor	Closed
Nov-19	15th - 17th, 20th, 30th	5	Indicative	Timing	SEMO	Settlements Data processing issues	Indicative runs were published late <b>on</b> target day due to knock on impacts of a combination of a number of processing issues	Instruction Profiler Long hour issue & Push times / VTOD data issue, delays with processing MDP metered data, Actual availabilities & Dispatch Instructions	Instruction Profiler data processing issues resolved allowing processing to continue. (IP Push times, IP Clock change issue) VTOD data issues resolved MDP data received & processed	Minor	Closed

Dec-19	1st, 18th,	2	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late <b>on</b> target day due to an overrun of processing time required for settlement run	Indicative process delayed due to completion time required for other processes running in parallel	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
Dec-19	2nd, 21st, 22nd	3	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late <b>after</b> target day due to an overrun of processing time required for settlement run	Indicative process delayed due to completion time required for other processes running in parallel	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
Dec-19	6th - 8th	3	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>after</b> target day due to a delay with MDP data	Metered data from MRSO provided late	Meter data from MRSO received and indicatives completed	Minor	Closed
Dec-19	10th, 11th	2	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>after</b> target day due to a delay with MDP data	Actual availability data from EirGrid TSO provided late	Actual availability data from EirGrid TSO received and indicatives completed	Minor	Closed
Dec-19	31st	1	Indicative	Timing	SEMO	DA/IDT Trades	Indicative runs were published late <b>after</b> target day due to a delay with processing DA/IDT data	Day ahead trades for the 31st did not import successfully into the settlement systems	Day ahead trades successfully imported allowing indicative settlements to complete	Minor	Closed

Jan-20	1st	1	Indicative	Timing	SEMO	DA/IDT Trades	Indicative runs were published late <b>after</b> target day due to a delay with processing DA/IDT data	Day ahead trades for the 1st did not import successfully into the settlement systems	Day ahead trades successfully imported allowing indicative settlements to be completed	Minor	Closed
Jan-20	6th	1	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>on</b> target day due to receiving DI's late	Received SONI DI's late	DI's received from SONI and indicatives completed	Minor	Closed
Jan-20	15th	1	Indicative	Timing	SEMO	Operator Processing	Operator Processing issue	Incorrect date chose for indicative IP run	Correct date processed for IP allowing indicative run to complete successfully	Minor	Closed
Jan-20	17th, 18th, 19th, 27th	4	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>after</b> target day due to a delay with MDP data	Metered data from MRSO provided late due to ongoing MRSO certificate issue	Meter data files from MRSO received manually and indicatives completed	Minor	Closed
Jan-20	20th	1	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late <b>after</b> target day due to an overrun of processing time required for settlement run	Indicative process delayed due to back log MRSO data being delayed for previous days.	Back log of meter data from MRSO received and indicatives completed	Minor	Closed
Jan-20	24th-26th, 31st	4	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>on</b> target day due to a delay with MDP data	Metered data from MRSO provided late	Meter data from MRSO received and indicatives completed	Minor	Closed
Jan-20	22nd	1	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>after</b> target day due to manual data submission being required	Metered data from MRSO entered manually	Metered data successfully imported allowing indicative settlements to be completed	Minor	Closed

Jan-20	28th	1	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late <b>on</b> target day due to an overrun of processing time required for settlement run	Indicative process delayed due to completion time required for other processes running in parallel	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
Feb-20	7th - 9th, 29th	4	Indicative	Timing	SEMO	DAM Trades	Indicative runs were published late <b>after</b> target day due to a delay with processing DAM data	Day ahead trades for the 7th and 28th required manual upload which delayed subsequent processes	Day ahead trades successfully imported allowing indicative settlements to be completed	Minor	Closed
Feb-20	1st, 2nd, 6th	3	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>after</b> target day due to a delay with MDP data	Metered data from MRSO provided late	Meter data from MRSO received and indicatives completed	Minor	Closed
Feb-20	14th, 15th, 19th, 23rd	4	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late <b>on</b> target day due to an overrun of processing time required for settlement run	Indicative process delayed due to completion time required for other processes running in parallel	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
Feb-20	16th	1	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late <b>after</b> target day due to an overrun of processing time required for settlement run	Indicative process delayed due to completion time required for other processes running in parallel	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
Feb-20	4th, 5th	2	Indicative	Timing	SEMO	Registration	Initial run was published late <b>after</b> target day due to registration issues	Registration issue, further investigation needed.	Registration process to be monitored, ticket raised.	Minor	Closed

Feb-20	20th	1	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>after</b> target day due to a delay with MDP data	Actual availability data from EirGrid TSO provided late	Actual availability data from EirGrid TSO received and indicatives completed	Minor	Closed
Feb-20	26th	1	Indicative	Timing	SEMO	CIM Upload	Indicative runs were published late after target day due to a delay with CIM upload outage timing.	CIM Upload did not complete until late	CIM uploaded and indicatives completed	Minor	Closed
Mar-20	2nd	1	Indicative	Timing	SEMO	DAM Trades	Indicative runs were published late <b>after</b> target day due to a delay with processing DAM data	Missing Day ahead trades caused a delay in processing.	Day ahead trades successfully imported allowing indicative settlements to be completed	Minor	Closed
Mar-20	6th	1	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>after</b> target day due to a delay with MDP data	Metered data from NIE provided late	Meter data from NIE received and indicatives completed	Minor	Closed
Mar-20	5th	1	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late <b>on</b> target day due to an overrun of processing time required for settlement run	Indicative process delayed due to completion time required for other processes running in parallel	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
Mar-20	29th - 31st	2	Indicative	Timing	SEMO	MI Push to CSB of Dispatch Instructions should provide records from midnight to midnight	MI Push to CSB of Dispatch Instructions should provide records from midnight to midnight as MA is providing the records	KIR Number: 137452	Software to be updated by vendor	Minor	Closed
Mar-20	27th, 28th	2	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late after target date due to a delay with NI ACTA Data	NI ACTA Data provided late	Data received and indicatives completed	Minor	Closed
Mar-20	11th, 15th	2	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late after target date due to a delay with ROI ACTA Data	ROI ACTA and DI's were provided late	Data received and indicatives completed	Minor	Closed

Mar-20	25th	1	Initial	Timing	SEMO	Processing Issue	Indicative runs were published late <b>after</b> target day due to an IP run issue	IP had to be re run, causing a delay.	Issue resolved and processing continued.	Minor	Closed
Mar-20	20th	1	Indicative	Timing	SEMO	Remote Access Issue	Slow processing due to working remotely	Slow processing due to working remotely	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
Apr-20	1st, 3rd - 5th, 8th - 10th, 26th, 30th	9	Indicative	Timing	SEMO	Processing Issue	Processing delayed	Effect of previous runs being delayed causing a delay to later runs	Processing backlog worked through	Minor	Closed
Apr-20	2nd	1	Indicative	Timing	SEMO	Dispatch Instruction import failed	Dispatch Instruction failed to be brought through with OUI Push	Dispatch Instruction failed to be brought through with OUI Push	Workaround implemented to run over-ride push after IP was ran again	Minor	Closed
Apr-20	11th - 16th	6	Indicative	Timing	SEMO	Processing Issue	Processing delayed	Processing delayed due to previous runs being delayed. Previous runs delayed due to IP issue KIR #162950	Processing backlog worked through	Minor	Closed
Apr-20	18th - 20th	3	Indicative	Timing	SEMO	Processing Issue	Processing Delayed	IP Push issue KIR #165167 creating a backlog of runs	Processing backlog worked through	Minor	Closed
Apr-20	25th	1	Indicative	Timing	SEMO	Processing Issue	Processing delayed	IP Issue	HRCS ran processing from backend	Minor	Closed
Apr-20	29th	1	Indicative	Timing	SEMO	Processing Issue	Processing Delayed	Time needed for testing the fix provided by ABB after release	Processing backlog worked through	Minor	Closed
May-20	1st, 3rd, 4th, 17th	4	Indicative	Timing	SEMO	KIR 162950	MMS (Market Management Systems) application issue for settlements data	Settlement system not importing a full set of data from MMS for Indicative and Initial for certain dates, the issue is affecting one import only.	Workaround is in place until issue can be resolved, which is been actively been worked on.	Minor	Closed

May-20	16th	1	Indicative	Timing	SEMO	Missing DAM trades	Indicative runs were published late <b>on</b> target day due to a delay with processing DAM data	Missing Day ahead trades caused a delay in processing.	Day ahead trades successfully imported allowing indicative settlements to be completed	Minor	Closed
May-20	18th, 21st	2	Indicative	Timing	SEMO	MDP Data	SONI Data delayed	Late submission of MDP data	Data received & backlog worked through	Minor	Closed
May-20	5th, 7th - 10th	5	Indicative	Timing	SEMO	KIR 162950	MMS (Market Management Systems) application issue for settlements data	Settlement system not importing a full set of data from MMS for Indicative and Initial for certain dates, the issue is affecting one import only.	Workaround is in place until issue can be resolved, which is been actively been worked on.	Minor	Closed
May-20	2nd, 11th - 14th	5	Indicative	Timing	SEMO	KIR 164630	IP Push times of settlement data is not performing as expected for daily IP Pushes.	Can cause delays to daily Indicative & Initial settlement publication timelines	Software Update from vendor	Minor	Closed
Jun-20	5th - 7th, 11th, 28th & 29th	6	Indicative	Timing	SEMO	KIR 176093	IP Timeout Limit Issue	Can cause delays to daily Indicative & Initial settlement publication timelines	Software Update from vendor - deployed on 7th June.	Minor	Closed
Jun-20	14th	1	Indicative	Timing	SEMO	Processing Issue	Processing delayed	Processing catch up from weekend backlog	Processing backlog worked through	Minor	Closed
Jun-20	16th	1	Indicative	Timing	SEMO	Processing Issue	System Constraints	Processing delayed due to competing processes	Processing continued	Minor	Closed
Jun-20	21st	1	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>after</b> target day due to a delay with MDP data	MRSO MDP data provided late	Data received and processing continued	Minor	Closed

Jul-20	13th, 23rd	2	Indicative	Timing	SEMO	KIR #178,168	IP Push times of settlement data is not performing as expected for daily IP Pushes.	Can cause delays to daily Indicative settlement publication timelines	Processing continued after delay	Minor	Closed
Jul-20	1st, 5th, 21st, 26th	4	Indicative	Timing	SEMO	Processing Issue	System Constraints	Processing delayed due to competing processes	Processing continued	Minor	Closed
Jul-20	27th - 30th	4	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late <b>after</b> target day due to a delay with SONI metering data	SONI metering data provided late	Data received and backlog worked through	Minor	Closed
Aug-20	4th, 22nd, 31st	3	Indicative	Timing	SEMO	KIR ID #186,987	IP (Instruction profiling) data push times are intermittently taking an increased amount of time to complete.	Can cause delays to daily Indicative settlement publication timelines	Processing continued after delay, Indicatives published <b>on</b> due date	Minor	Closed
Aug-20	14th - 16th, 23rd	4	Indicative	Timing	SEMO	KIR ID #186,987	IP (Instruction profiling) data push times are intermittently taking an increased amount of time to complete.	Can cause delays to daily Indicative settlement publication timelines	Processing continued after delay, Indicatives published <b>after</b> due date	Minor	Closed
Sep-20	03rd, 16th, 11th, 12th, 13th	5	Indicative	Timing	SEMO	KIR ID #186,987	IP (Instruction profiling) data push times are intermittently taking an increased amount of time to complete.	Can cause delays to daily Indicative settlement publication timelines	Processing continued after delay, Indicatives published <b>on</b> due date	Minor	Closed
Sep-20	08th, 9th, 10th, 17th, 23rd	5	Indicative	Timing	SEMO	KIR ID #186,987	IP (Instruction profiling) data push times are intermittently taking an increased amount of time to complete.	Can cause delays to daily Indicative settlement publication timelines	Processing continued after delay, Indicatives published <b>after</b> due date	Minor	Closed
Sep-20	01st, 06th, 20th	3	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late <b>on</b> target day due to an overrun of processing time required for settlement run	Indicative process delayed due to completion time required for other processes running in parallel	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed

Sep-20	07th	1	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late <b>after</b> target day due to an overrun of processing time required for settlement run	Indicative process delayed due to completion time required for other processes running in parallel	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
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Month	Ops Date Identified	Periods affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
Oct-19	1st	1	Initial	Timing	SEMO	Additional analysis required	Initial run was published late	Additional analysis required on settlement outputs	Analysis completed to allow initial run to be published	Minor	Closed
Oct-19	7th	1	Initial	Timing	SEMO	Additional analysis required	Initial run was published late	Additional analysis required on settlement outputs	Analysis completed to allow initial run to be published	Minor	Closed
Oct-19	9th	1	Initial	Timing	SEMO	Additional analysis required	Initial run was published late	Additional analysis required on settlement outputs	Analysis completed to allow initial run to be published	Minor	Closed
Oct-19	16th	1	Initial	Timing	SEMO	Settlements Data issue	Initial run was published late	Issue with importing actual availabilities and dispatch instructions	Actual availabilities and dispatch instructions imported allowing processing to continue	Minor	Closed
Oct-19	17th - 20th	4	Initial	Timing	SEMO	Settlements Data processing issue	Initial run was published late	Instruction Profiler data processing issues with SONI MDP data. Indicative data getting imported as Initial data.	SONI MDP data re-submitted and imported, Initial data pushed through again and Instruction Profiler data processing issues resolved allowing processing to continue.	Minor	Closed
Oct-19	24th	1	Initial	Timing	SEMO	Settlements Data processing issue	Initial run was published late	Bill case performance - took over one hour to complete	Bill case completed allowing initial run to be published	Minor	Closed

Oct-19	27th - 30th	4	Initial	Timing	SEMO	Settlements Data processing issue	Initial run was published late	Instruction Profiler data processing issues due to clock change and pricing defect fix applied	Instruction Profiler data processing issues resolved allowing processing to continue. (IP Clock change issue fix applied, pricing fix re-applied)	Minor	Closed
Nov-19	6th, 7th, 11th, 17th, 18th	5	Initial	Timing	SEMO	Settlements Data processing issues	Initial runs were published late on target day due to knock on impacts of a combination of a number of processing issues	Instruction Profiler Long hour issue & Push times / VTOD data issue, delays with processing MDP metered data, Actual availabilities & Dispatch Instructions	Instruction Profiler data processing issues resolved allowing processing to continue. (IP Push times, IP Clock change issue)  VTOD data issues resolved  MDP data received & processed	Minor	Closed
Dec-19	3rd	1	Initial	Timing	SEMO	Late MDP data	Initial run was published late after target day due to a delay with MDP data	Metered data from MRSO provided late	Meter data from MRSO received and indicatives completed	Minor	Closed
Dec-19	26th,28th,29th	3	Initial	Timing	SEMO	DA/IDT Trades	Initial runs were published late on target day due to a delay with processing DA/IDT data	Instruction profiling processing delayed as Day ahead trades for the 26th,28th,29th did not import successfully into the settlement systems	Day ahead trades successfully imported allowing Instruction Profiling for initial settlements to complete	Minor	Closed

Jan-20	14th, 20th, 21st	3	Initial	Timing	SEMO	Settlements Data processing timelines	Initial runs were published late on target day due to an overrun of processing time required for settlement run	Initial process delayed due to completion time required for other processes running in parallel	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
Jan-20	30th	1	Initial	Timing	SEMO	Registration	Initial run was published late on target day due to registration issues	Processing back log due to registration issue that started on the 05/02	Registration process to be monitored.	Minor	Closed
Feb-20	2nd	1	Initial	Timing	SEMO	Late MDP Data	Initial runs were published late on target day due to late MDP Data	Metered data from MRSO provided late	Meter data from MRSO received and indicatives completed	Minor	Closed
Feb-20	9th, 16th	2	Initial	Timing	SEMO	Cashflow Analysis Review	Initial runs were published late on target day due to late MDP Data	Metered data from MRSO provided late	Meter data from MRSO received and indicatives completed	Minor	Closed
Feb-20	18th	1	Initial	Timing	SEMO	De-Registration & Re-Registraion issue	Initial runs were published late on target day due to de-reg, re-reg issue	De-Registration & Re-Registraion issue	Correct registration data received from registration team allowing initial processing to continue	Minor	Closed
Feb-20	14th, 15th	2	Initial	Timing	SEMO	SONI - MDP Data	Initial runs were published late on target date due to an Issue with NI DI Data	On going impact of seeing large CUNIMB for units due to QD being set to LOCL DI rather than the availability.	Corrected Data received from MDP allowing initial processing to continue.	Minor	Closed

Feb-20	13th	1	Initial	Timing	SEMO	SONI - MDP Data	Initial runs were published late <b>after</b> target date due to an issue with NI DI Data	On going impact of seeing large CUNIMB for units due to QD being set to LOCL DI rather than the availability.	Corrected Data received from MDP allowing initial processing to continue.	Minor	Closed
Mar-20	27th	1	Initial	Timing	SEMO	Processing Issue	Initial runs were published late <b>on</b> target day due to an IP run issue	IP had to be re run, causing a delay.	Issue resolved and processing continued.	Minor	Closed
Mar-20	18th	1	Initial	Timing	SEMO	Settlements Data processing timelines	Initial runs were published late <b>on</b> target day due to an overrun of processing time required for settlement run	Initial process delayed due to completion time required for other processes running in parallel	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
Mar-20	30th	1	Initial	Timing	SEMO	Systems Issue	Initial runs were published late <b>on</b> target date due to an internal systems issue	System Outage	Issue resolved and processing continued.	Minor	Closed
Mar-20	6th	1	Initial	Timing	SEMO	SONI - MDP Data	Initial runs were published late <b>after</b> target date due to an issue with NI DI Data	On going impact of seeing large CUNIMB for units due to QD being set to LOCL DI rather than the availability.	Corrected Data received from MDP allowing initial processing to continue.	Minor	Closed
Apr-20	2nd	1	Initial	Timing	SEMO	Missing correct DI records	Missing DI import records within CSB	More time needed for testing of ABB fix KIR ID #162950	Correct DI imported and run processed	Minor	Closed
Apr-20	3rd - 8th, 12th, 25th - 29th	12	Initial	Timing	SEMO	Processing Issue	Processing delayed	Effect of previous runs being delayed causing a delay to later runs KIR ID #162950	Processing back log worked through	Minor	Closed
Apr-20	15th	1	Initial	Timing	SEMO	ACTA submissions	Processing delayed	ACTAs resubmitted as they dropped off for the push/import	ACTAs resubmitted and run continued	Minor	Closed

Apr-20	24th	1	Initial	Timing	SEMO	Processing Issue	Processing Delayed	Time needed for testing the fix provided by ABB after release	Processing backlog worked through	Minor	Closed
Apr-20	9th-11th	3	Initial	Timing	SEMO	KIR 162950	MMS (Market Management Systems) application issue for settlements data	Settlement system not importing a full set of data from MMS for Indicative and Initial for certain dates, the issue is affecting one import only.	Workaround is in place until issue can be resolved, which is been actively been worked on.	Minor	Closed
May-20	4th-11th	8	Initial	Timing	SEMO	KIR 164630	IP Push times of settlement data is not performing as expected for daily IP Pushes.	Can cause delays to daily Indicative & Initial settlement publication timelines	Software Update from vendor	Major	Closed
May-20	13th	1	Initial	Timing	SEMO	Late MDP data	Initial runs were published late on target day due to a delay with MDP data	Metered data from SONI provided late	Meter data from SONI received and initials completed	Minor	Closed
May-20	19th	1	Initial	Timing	SEMO	Processing Delay	Bank holiday catch up	Backlog of initials from bank holiday	Processing backlog worked through	Minor	Closed
May-20	31st	1	Initial	Timing	SEMO	Processing Issue	Processing Delayed	Internal System outage during processing	Processing backlog worked through	Minor	Closed
Jun-20	16th	1	Initial	Timing	SEMO	Processing Issue	Financial analysis	Additional financial analysis required	Additional financial analysis carried out & processing continued	Minor	Closed
Jul-20	28th	1	Initial	Timing	SEMO	KIR #180,844	System defect	Further cashflow analysis required - Issue with incorrect metering	Processing & Publication continued - published same day	Minor	Closed
Aug-20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sep-20	07th	1	Initial	Timing	SEMO	Processing Issue	Processing delayed	Effect of previous runs being delayed causing a delay to later runs	Processing backlog worked through	Minor	Closed

Month	Ops Date Identified	Periods Affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
Oct-19	19th	1	Settlement Documents	Timing	SEMO	Settlements Data processing issue	Initials for the 17th - 19th delayed and were published late, this caused Settlement Documents to be delayed by one business day	Instruction Profiler data processing issues with SONI MDP data. Indicative data was also getting imported as Initial data.	SONI MDP data re-submitted and imported, Initial data pushed through again and Instruction Profiler data processing issues resolved allowing processing to continue. Settlement Documents published on the 29th October, with payments in and out dates adjusted by one day due to delay.	Major	Closed
Jan-20	25th	1	Settlement Documents	Timing	SEMO	Settlements Data processing timelines	Settlement Documents for the billing period of 19/01/2020-29/01/2020 were published late on the 31/01/2020	Known issues report KIR IDs 6148 & 155031 impacted Settlement Document publication timelines	Settlement Documents for the billing period of 19/01/2020-29/01/2020 were published late at 1.15pm on the 31/01/2020. Payments in and out dates were adjusted by one business days to reflect the delay.	Major	Closed
Feb-20	15th	1	Settlement Documents	Timing	SEMO	Settlements Data processing timelines	Settlement Documents for the billing period of 09/02/2020-19/02/2020 were published late on the 21/02/2020	Known issues report KIR IDs 6148 & 155031 impacted Settlement Document publication timelines	Settlement Documents for the billing period of 09/02/2020-19/02/2020 were published late at 2.39pm on the 21/02/2020. Payments in and out dates were adjusted by one business day to reflect the delay.	Major	Closed
May-20	01st	1	Settlement Documents	Timing	SEMO	KIR 162950	MIMS (Market Management Systems) application issue for settlements data	Settlement system not importing a full set of data from MIMS for Indicative and Initial for certain dates, the issue is affecting one import only.	Workaround is in place until issue can be resolved, which is been actively been worked on.	Major	Closed
May-20	8th, 12th, 18th	3	Settlement Documents	Timing	SEMO	KIR 164630	IP Push times of settlement data is not performing as expected for daily IP Pushes	Can cause delays to daily Indicative & Initial settlement publication timelines	Software Update from vendor	Major	Closed
May-20	22nd	1	Settlement Documents	Timing	SEMO	VAT Registration	VAT Registration for one PT, which impacted SD VAT values for all PTs	As a result of an operator error issue, a "data script" had to be prepared by the vendor to resolve the error.	VAT type manually corrected for one PT, which then flowed into SDs. "Data Script" also had to be prepared by the vendor to resolve the error.	Major	Closed
Jun-20	12th	1	Settlement Documents	Timing	SEMO	KIR #155,031	Settlement Documents are required to be created when there are more than four billing periods to be published. The second Settlement Document can take up to 90 minutes of processing time to create. This should take 10 minutes similar to the creation timing of the first Settlement	This known issue creates a risk that settlement documents could be delayed beyond 12 noon due to the requirement for two settlement documents (KIR 6148), and the duration it takes for the second settlement document to be created (#155031)	Software Update from Vendor required.	Major	Closed

**Table 24 - Settlement Publication Delays**

## Appendix C: List of Queries by Type

Upheld Queries
9 Queries relating to ACTAs were upheld.
3 Queries relating to CAOPO were upheld
4 Queries relating to CCC were upheld
12 Queries relating to CCP were upheld
2 Queries relating to CCURL were upheld
11 Queries relating to CDISCOUNT were upheld
48 Queries relating to CFC were upheld
61 Query relating to CIMB were upheld
1 Query relating to CIMP were upheld
6 Queries relating to CPREMIUM were upheld
35 Queries relating to CUNIMB were upheld
3 Query relating to CVMO was upheld
1 Queries relating to LF were upheld

**Table 25- Upheld Queries**

## Appendix D: Imbalance Prices

Month	Published Imbalance Prices	Expected Count of Imbalance Prices	Missed Imbalance Prices
Oct	8618	8940	322
Nov	8584	8640	56
Dec	8782	8928	146
<b>Quarter 1 Total</b>	<b>25984</b>	<b>26508</b>	<b>524</b>
Jan	8911	8928	17
Feb	8348	8352	4
Mar	8809	8916	107
<b>Quarter 2 Total</b>	<b>26068</b>	<b>26196</b>	<b>128</b>
Apr	8417	8640	223
May	8792	8928	136
Jun	8620	8640	20
<b>Quarter 3 Total</b>	<b>25829</b>	<b>26208</b>	<b>379</b>
Jul	8872	8928	56
Aug	8896	8928	32
Sep	8531	8640	109
<b>Quarter 4 Total</b>	<b>26299</b>	<b>26496</b>	<b>197</b>

Table 26 – Missed 5Min Imbalance Prices

Month	Market Back Up Prices	Ex-Ante Market Back Up Price	Published Imbalance Settlement Prices	Expected Count of Imbalance Settlement Prices
Oct	112	22	1356	1490
Nov	10	6	1424	1440
Dec	12	19	1457	1488
<b>Quarter 1 Total</b>	<b>134</b>	<b>47</b>	<b>4237</b>	<b>4418</b>
Jan	5	1	1482	1488
Feb	2	0	1390	1392
Mar	19	11	1456	1486
<b>Quarter 2 Total</b>	<b>26</b>	<b>12</b>	<b>4328</b>	<b>4366</b>
Apr	35	11	1394	1440
May	25	12	1451	1488
Jun	6	0	1434	1440
<b>Quarter 3 Total</b>	<b>66</b>	<b>23</b>	<b>4279</b>	<b>4368</b>
Jul	9	5	1474	1488
Aug	0	11	1477	1488
Sep	28	0	1412	1440
<b>Quarter 4 Total</b>	<b>37</b>	<b>16</b>	<b>4363</b>	<b>4416</b>

Table 27 – Application of 30Min Market Back Up Price

Month	Period Starting	Min Price	Period Starting	Max Price	Avg Price
<i>October</i>	17/10/2019 00:30	-€ 1,000.00	02/10/2019 16:05	€ 490.10	€ 48.39
<i>November</i>	10/11/2019 22:45	-€ 437.69	02/11/2019 10:30	€ 511.06	€ 48.06
<i>December</i>	06/12/2019 06:15	-€ 1,000.00	01/12/2019 17:15	€ 490.10	€ 39.36
<i>January</i>	02/01/2020 01:40	-€ 750.97	09/01/2020 10:15	€ 490.10	€ 41.73
<i>February</i>	09/02/2020 02:10	-€ 1,000.00	13/02/2020 17:45	€ 490.10	€ 35.69
<i>March</i>	24/03/2020 22:55	-€ 571.20	04/03/2020 15:35	€ 490.10	€ 31.21
<i>April</i>	07/04/2020 14:45	-€ 359.95	23/04/2020 08:10	€ 2,785.50	€ 25.71
<i>May</i>	10/05/2020 10:15	-€ 689.89	26/05/2020 18:00	€ 495.20	€ 25.71
<i>Jun</i>	28/06/2020 08:55	-€ 1,000.00	01/06/2020 10:50	€ 490.10	€ 32.15
<i>July</i>	04/07/2020 19:15	-€ 425.76	01/07/2020 09:15	€ 490.10	€ 31.06
<i>August</i>	23/08/2020 01:30	-€ 1,000.00	16/08/2020 20:25	€ 495.10	€ 41.33
<i>September</i>	11/09/2020 02:20	-€ 1,000.00	01/09/2020 07:05	€ 490.10	€ 46.39

**Table 28 – High/Low/Average 5Min Imbalance Prices**

Month	Period Starting	Min Price	Period Starting	Max Price	Avg Price
<i>October</i>	23/10/2019 00:30	-€ 194.79	16/10/2019 19:00	€ 349.82	€ 47.79
<i>November</i>	09/11/2019 00:30	-€ 234.87	06/11/2019 17:30	€ 371.07	€ 48.03
<i>December</i>	25/12/2019 22:00	-€ 275.35	17/12/2019 17:30	€ 479.80	€ 39.37
<i>January</i>	29/01/2020 15:00	-€ 259.79	18/01/2020 17:30	€ 386.09	€ 41.84
<i>February</i>	09/02/2020 02:00	-€ 334.30	04/02/2020 18:00	€ 299.28	€ 35.71
<i>March</i>	09/03/2020 23:00	-€ 290.17	04/03/2020 15:30	€ 361.81	€ 31.45
<i>April</i>	20/04/2020 01:30	-€ 215.81	23/04/2020 08:00	€ 495.59	€ 25.70
<i>May</i>	23/05/2020 07:30	-€ 211.08	26/05/2020 08:30	€ 254.03	€ 25.63
<i>Jun</i>	27/06/2020 19:00	-€ 390.13	12/06/2020 14:30	€ 268.29	€ 32.16
<i>July</i>	04/07/2020 19:30	-€ 280.25	24/07/2020 11:30	€ 325.10	€ 31.08
<i>August</i>	23/08/2020 01:30	-€ 323.12	30/08/2020 11:00	€ 486.74	€ 41.29
<i>September</i>	12/09/2020 13:00	-€ 335.81	06/09/2020 17:30	€ 385.26	€ 46.63

**Table 29 – High/Low/Average 30Min Imbalance Settlement Prices**

## Appendix E: Market Operator User Groups

Market Operator User Group (MOUG)	
Date	Location
23/10/2019	Belfast
28/11/2019	Dublin
18/12/2019	Conference Call
16/01/2020	Dublin
27/02/2020	Conference Call
30/04/2020	Conference Call
11/06/2020	Conference Call
26/08/2020	Conference Call

Table 30 – MOUG dates