Market Operator’s Performance Report

December 2019

Contents

Executive Summary

On 1 October 2018 the Integrated Single Electricity Market (I-SEM) went live and is now the enduring operational electricity market in Ireland and Northern Ireland.

This Single Electricity Market Operator's (SEMO) performance report covers the month of operation of December 2019 and is published in accordance with section B16.2 of the Trading and Settlement Code and the SEM Committee decision paper issued for the Legacy SEM market.

During the month of December 2019:

- There were 15 late publications of Indicative and Initial Settlement runs as per the Trading and Settlement Code timelines
- 3 out of 3 Settlement Documents issued on time
- There were 7 payment defaults by Participants
- There were 9 new units registered in the market, and no new parties joined the market
- There was 1 Credit default by Participants as per the Trading and Settlement code timelines
- 155 general queries were received and 165 general queries were resolved, with 82 in progress

This is the third Monthly performance report of the Market since I-SEM Go Live. SEMO welcomes all comments on the contents of this report. Comments should be sent preferably in email format to info@sem-o.com. The intention is for SEMO and the Regulatory Authorities to consult on the framework for reporting based on comments and feedback received and to implement any revisions where necessary.

1 Joining and Terminating Parties and Units

1.1 Balancing Market

No new Parties joined the Market between 01 December and 31 December 2019:

The below units went effective in the Market between 01 December and 31 December 2019:

Party Name	Party ID	Participant ID	Unit ID	Effective Date
ElectroRoute Energy Supply Limited	PY_000171	PT_400200	AU_400120	04/12/2019
ElectroRoute Energy Supply Limited	PY_000171	PT_400200	AU_400121	04/12/2019
Electroroute Energy Trading Limited	PY_000098	PT_400096	AU_400122	04/12/2019
Electroroute Energy Trading Limited	PY_000098	PT_400096	AU_400123	04/12/2019
Naturgy Limited	PY_000054	PT_400051	GU_403970	18/12/2019
SSE Airtricity Limited	PY_000021	PT_400021	GU_403980	18/12/2019
Axpo UK Limited	PY_034070	PT_502520	GU_503370	03/12/2019
Axpo UK Limited	PY_034070	PT_502520	GU_503390	03/12/2019
Axpo UK Limited	PY_034070	PT_402560	GU_403830	03/12/2019

Table 1 – Registrations December 2019

The below unit de-registered from the Market between 01 December and 31 December 2019:

Party Name	Party ID	Participant ID	Unit ID	Effective Date
SSE Airtricity Limited	PY_000022	PT_500021	GU_503200	03/12/2019
SSE Airtricity Limited	PY_000022	PT_500021	GU_501310	03/12/2019
SSE Airtricity Limited	PY_000022	PT_500021	GU_503210	03/12/2019

Table 2 – De-Registrations December 2019

1.2 Termination of Participants

There were no terminating parties in December 2019.

1.3 Suspension of Participants

No Suspension Orders were issued by the Market Operator in December 2019.

2 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	Minor
Data Providers		-	6
Market Participants	Clearing	7	-
	Credit Risk Management	1	-
Market Operator	Balancing Market	0	16
	Clearing	0	0
	Credit Risk Management	0	0
	Other	-	-
Total		**8**	**22**

Table 3 – Trading and Settlement Code Breaches

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

Key:

- Major Breach - late publishing of settlement documents, default notices issued for non-payment or similar.
- Minor Breach - deadlines not met, but no financial implication to Participants. This includes late posting of settlement runs.

3 Balancing Market Settlements

3.1 Indicative and Initial Settlement Runs

For Historical information please see Appendix B – Historical Settlement Information.

The following series of tables and graphs represents 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 01/12/2019 - 31/12/2019		
	Indicative	Initial
On Time	20	27
Same Day Late	2	3
> 1 Day Late	9	1
Total runs	**31**	**31**

Table 4 - Settlement Runs completed 01/12/2019 - 31/12/2019

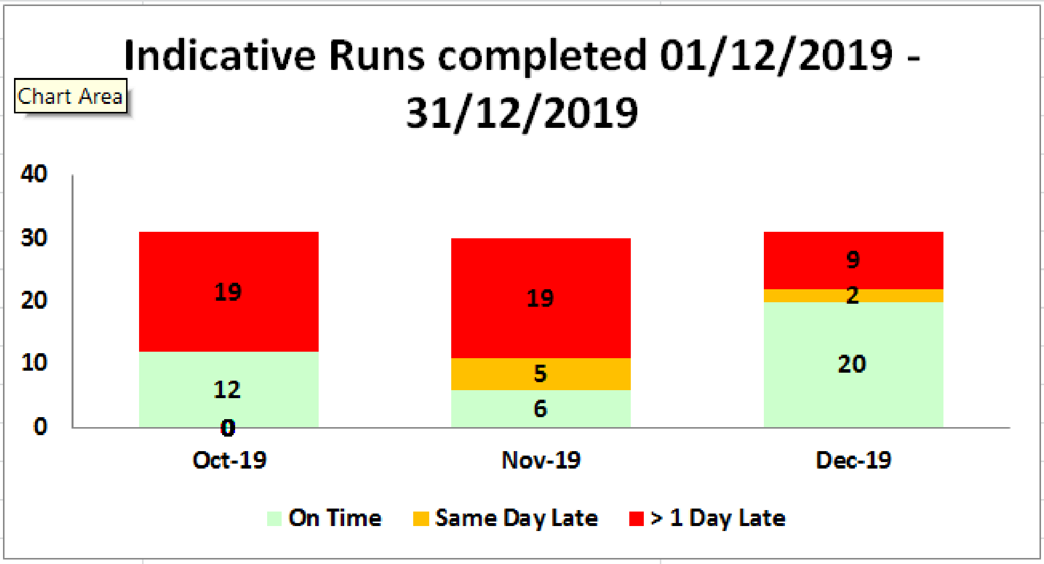

Figure 1 Indicative Settlement Runs Completed

Further details on publication times can be found in **Appendix C**

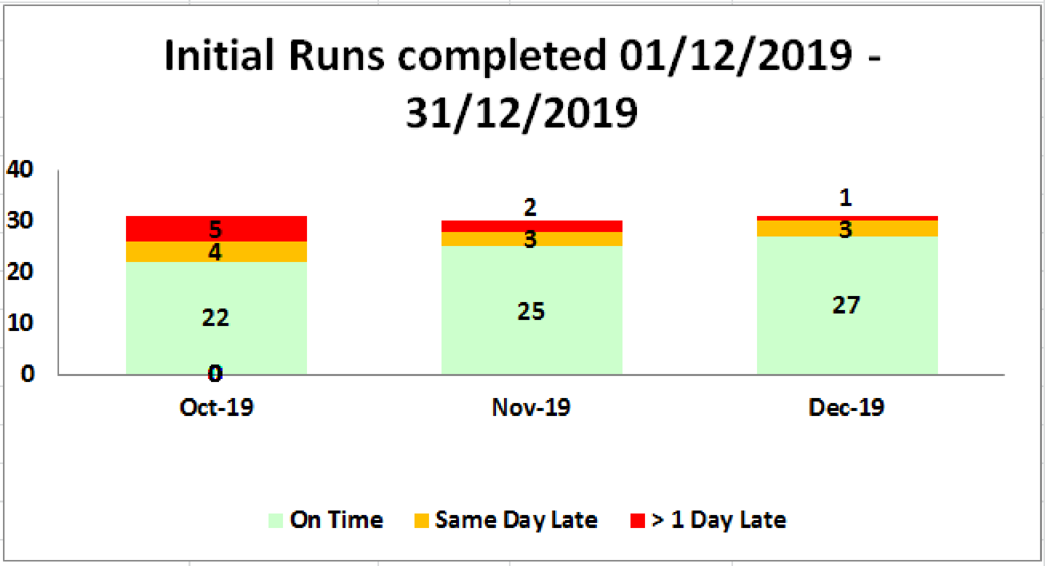

Figure 2 Initial Settlement Runs Completed

Further details on publication times can be found in **Appendix C**

3.2 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.

Settlement Documents completed 01/12/2019 - 31/12/2019	
	No. of Weeks
On Time	3
Same Day Late	0
> 1 Day Late	0
Total runs	**3**

Table 5 - Settlement Documents completed 01/12/2019 - 31/12/2019

3.3 M+4 and M+13 Resettlement

M+4 Resettlement processing occurred on time for the month of December 2019 as scheduled in the Settlement Calendar.

M+13 Resettlement processing occurred on time for the month of December 2019 as scheduled in the Settlement Calendar.

4 Financial Statistics

4.1 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 displays Initial data from 01 December 2019 to 31 December 2019.

- Positive values indicate Payments were greater than Charges
- Negative values indicate Charges were greater than Payments
- All figures are in Euro

Balancing Market Cash Flow Position		
Component	**Component Name**	**€ Payment/Charge**
CDISCOUNT	Discount Payment	7,605,748
CPREMIUM	Premium Payment	13,778,046
CFC	Fixed Cost Payment or Charge	2,810,289
CIMB	Imbalance Payment or Charge	1,231,778
CAOOPO	Offer Price Only Accepted Offer Payment or Charge	154,572
CCURL	Curtailment Payment or Charge	-573,270
CABBPO	Bid Price Only Accepted Bid Payment or Charge	8,941
CTEST	Testing Charge	-2,017
CDIFFCWD	Within-day Difference Charge	-23,502
CCA	Currency Adjustment Charge	-46,164
CUNIMB	Uninstructed Imbalance Charge	-338,136
CSOCDIFFP	Difference Payment Socialisation Charge	-336,839
CREV	Residual Error Volume Charge	-2,233,203
CIMP	Imperfections Charge	-32,057,806
Total		**-10,021,562**

Table 6 - 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	Fixed Market Operator Charge Generator Units	29,101,719
CCC	Fixed Market Operator Charge Supplier Units	-30,621,770
Total		**-1,520,050**

Table 7 - 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**
CMOAU	Fixed Market Operator Charge Generator Units	-58,921
CMOAV	Fixed Market Operator Charge Supplier Units	-1,513
CVMO	Variable Market Operator Charge	-1,196,003
Total		**-1,256,436**

Table 8 - Market Operator Charges

4.2 Financial Changes between Initial Settlement and Subsequent Reruns

During the month of December 2019:

- M+4 Resettlement has been completed for Settlement Dates 10/03/2019 to 30/03/2019
- M+13 Resettlement has been completed for Settlement Dates 21/10/2018 to 03/11/2018

The tables below display the differences between the previous settlement run and the most recent resettlement run (either M+4 or M+13). The differences are then rolled up to the component charge level and combined for both M+4 and M+13.

Balancing Market Resettlement	
Component	**Difference**
CPREMIUM	€84,064
CFC	-€2,111,342
CDIFFCNP	€0
CDIFFPIMB	€0
CABBPO	-€28,512
CTEST	€0
CCA	€57
CCURL	€2,519
CSOCDIFFP	€2,050
CREV	€10,118
CUNIMB	€53,804
CIMP	€18,142
CAOOPO	€1,389
CDIFFCWD	-€1,559
CDISCOUNT	€2,248,747
CIMB	€407,609
Total	**€687,086**

Table 9 - Balancing Market Resettlement

Capacity Market Resettlement	
Component	**Difference**
CCP	-€36,314
CCC	€89,137
Total	**€52,823**

Table 10 - Capacity Market Resettlement

Market Operator Charges Resettlement	
Component	**Difference**
CMOAV	€0
CMOAU	€0
CVMO	€1,731
Total	**€1,731**

Table 11 - Market Operator Charges Resettlement

Financial Statistics Disclaimer: the above information represents settlement data aggregated during the month in assessment, which may be different to the accounting data audited post settlement period.

5 Query Management

5.1 *General Queries*

The statistics presented in Table 12 - Helpdesk Query Statistics cover the month of December 2019.

Received	Resolved	Open
155	165	82

Table 12 – Helpdesk Query Statistics

The average resolution time for queries in December 2019 was 11.0 working days.

Definitions

- Resolved refers to queries resolved within December 2019, and includes queries raised before this time.
- Resolution Time (Working Days) refers to average time to resolve, in working days, for this category of query. It is calculated based on all queries for the category, not just December 2019.
- Open refers to queries raised but not resolved as of 31st of December 2019.

5.2 *Settlement Queries*

There were 22 Formal Settlement queries raised in December 2019.

5 have been upheld, 1 not upheld & 16 are unresolved at this time and are currently under investigation.

Topic (upheld Queries)	Number of Queries
CFC	4
CIMB	1

Table 13 – Upheld Settlement Queries by Topic

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

A full list of all unresolved Settlement queries raised in December 2019 can be found in **Appendix D.**

5.3 Disputes

There were two Disputes (1 General Dispute and 1 Settlement Dispute) raised in the month of December 2019.

6 Imbalance Price

6.1 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 3 below shows the Imbalance Settlement Prices for December 2019. 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 for December was €39.37.

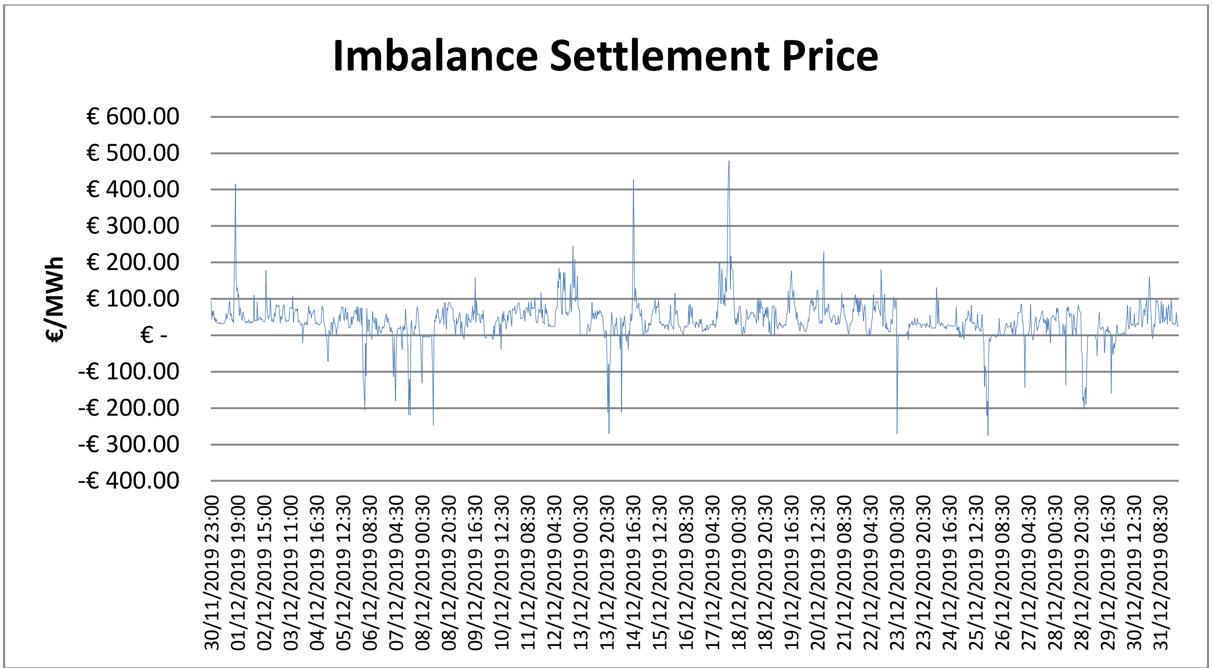

Figure 3 – Imbalance Settlement Price

Figure 4 below 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 5 Minute Imbalance Prices for a given Imbalance Settlement Period.

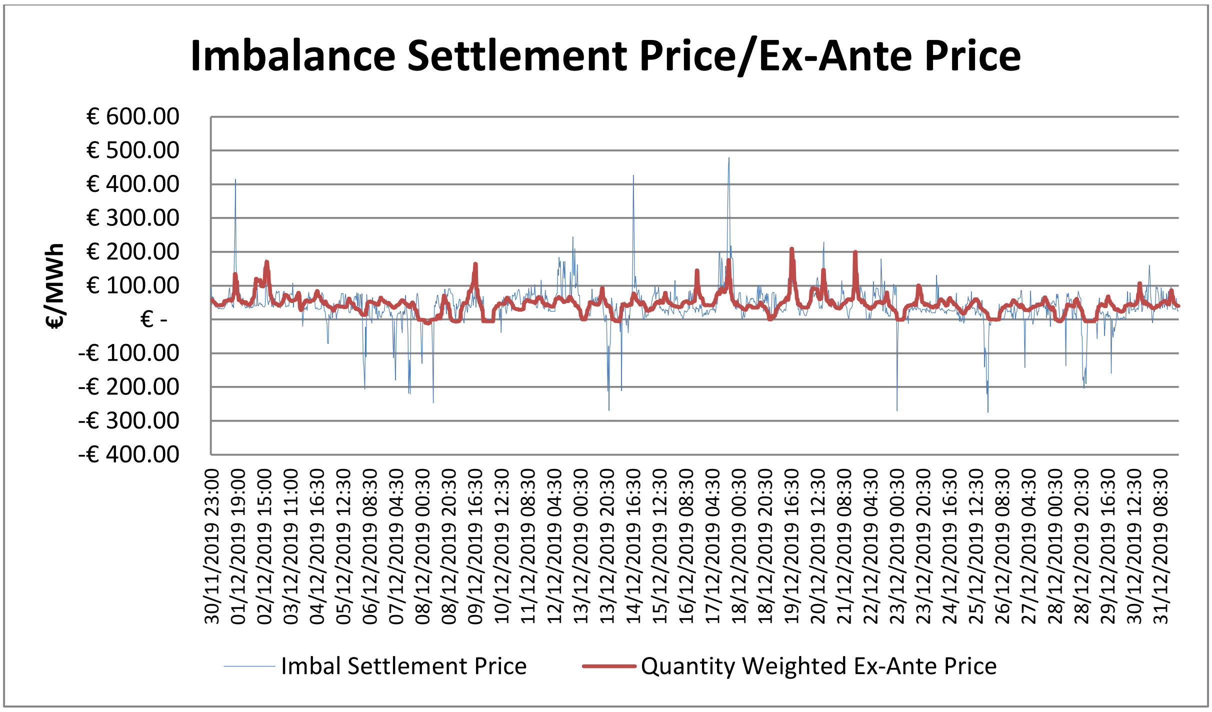

Figure 4 –Imbalance Settlement Price & Quantity Weighted Ex-Ante Price Comparison

Figure 5 below highlights the monthly Highest, Lowest and Average half-hour Imbalance Prices for the period December 2019.

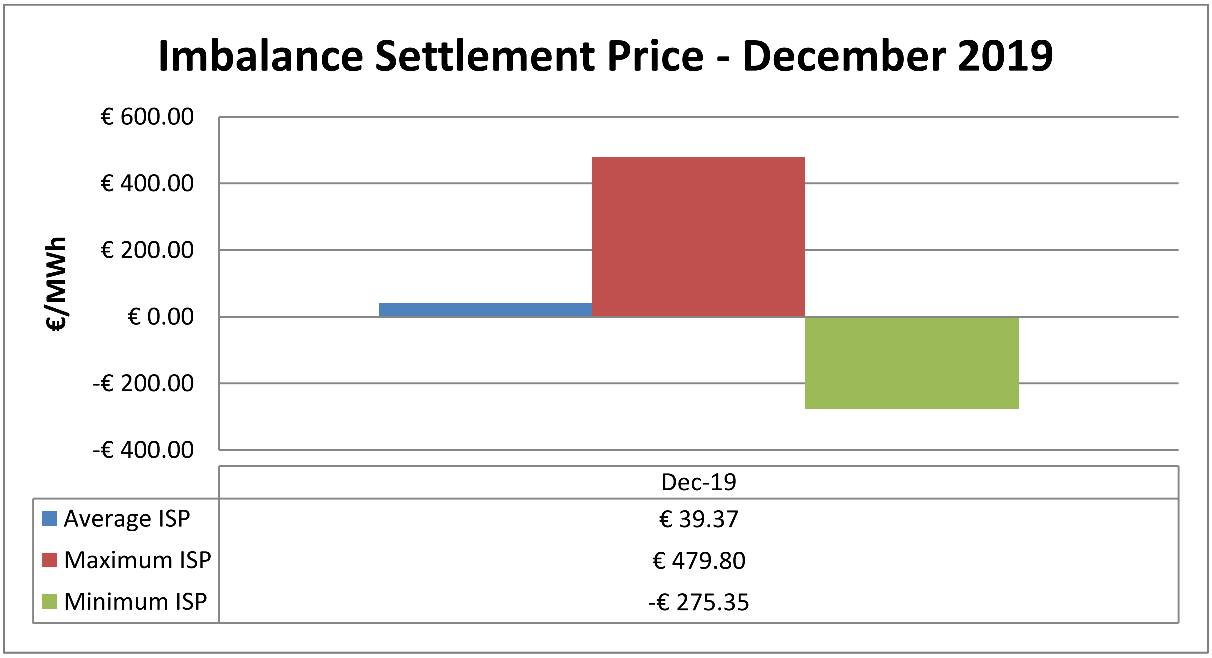

Figure 5 –Highest, Lowest and Average Imbalance Prices

6.2 *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 6**.

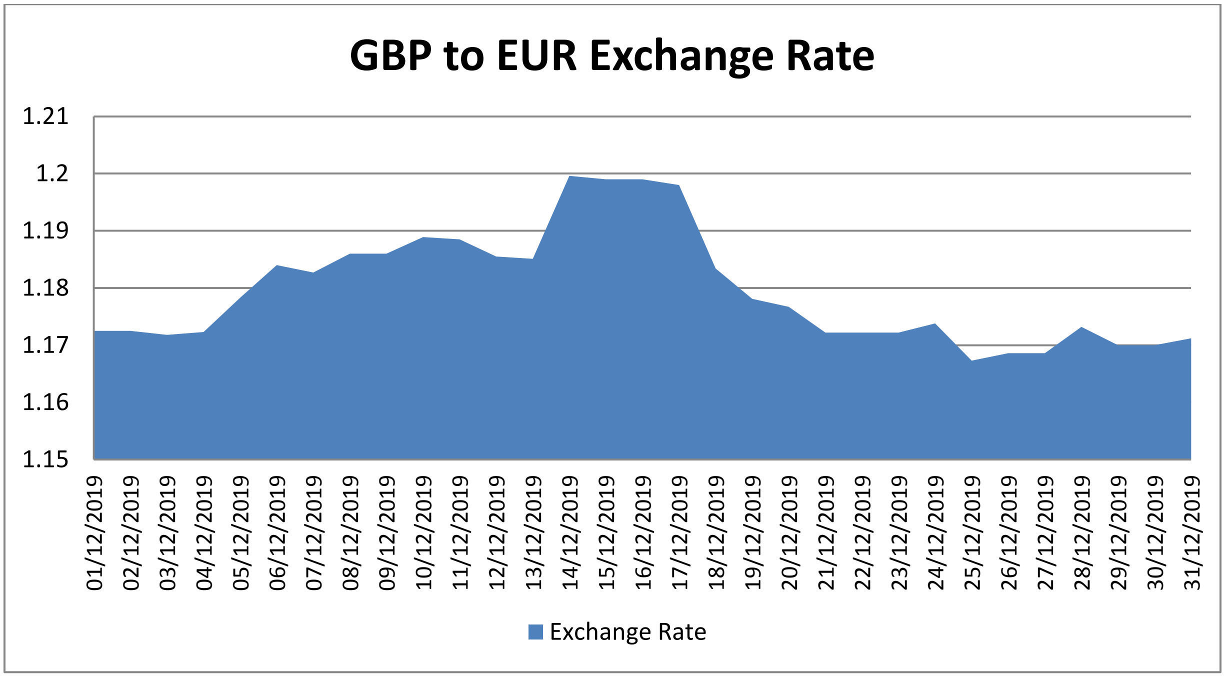

Figure 6 –GBP to EUR Exchange Rate

6.3 *Imbalance Price Generation and Backup Price*

The Market Back Up Price is calculated and published 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. During this calendar Month there were 21 Market Back Up Prices published; as a result 146 missed Imbalance Prices[1].

[1] If one or more five minute Imbalance Prices are not published in one Imbalance Settlement Period, then the Market Back up Price is used as the corresponding Imbalance Settlement Price.

7 Modifications

7.1 Balancing Market – Trading & Settlement Code Modification Management

The tables that follow give an overview of the activity that has taken place between 1st December 2019 and 31st December 2019. Table 14 shows the dates and number of Modifications Committee Meetings and Working Groups that took place over this period.

Meeting	Date	Location
Modifications Committee Meeting 95	5th December 2019	Dublin
Extraordinary Modifications Committee Meeting 96	18th December 2019	Conference Call

Table 14: Balancing Market: Trading & Settlement Code Modifications Committee Meetings

At the Modifications Committee Meeting, decisions are made with regard to progressing various Modification Proposals. Table 15 gives an outline of the amount of activity that has taken place over this period.

Modification Proposal Activity	Total
Raised	4
Alternative Versions raised	2
Withdrawn	0
Deferred	3
Extension Granted	0
Recommended for Approval	6
Recommended for Rejection	0
Further Work Required	0
RA Decision Approved	0
RA Decision Rejected	0

Table 15 - Modification Proposal Activity

7.2 Balancing Market - Modifications Process Development

Modification Proposals were considered at bimonthly Modifications Committee Meetings alternating between Belfast and Dublin or conference call where applicable (see Table 14).

Full details of all modifications progressed during the year are available in the Balancing Market Modifications section of the SEMO website.

Recommended for Approval

- Mod_03_18 Autoproducer Credit Cover with DSU v3
- Mod_17_19 DSU State Aid Compliance Interim Approach v2
- Mod_21_19 Loss Adjustment Factor Application for Interconnectors
- Mod_22_19 Correction to 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 to the TSC in exceptional circumstances (until January 2021)
- Mod_24_19 Amendments to Unsecured Bad Debt and Suspension Provisions Related to "Supplier of Last Resort"

8 Central Systems

8.1 System Releases

December releases to production saw a number of application performance improvements delivered as part of MMS Release D 'part 2' in addition to improvement to repricing functionality.

8.2 System Availability

The table below gives the system availability values for the month of December 2019.

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

Table 16 - Monthly Availability

8.3 Known Issues Report

For details regarding system errors please refer to the latest Known Issues Report published on the SEMO website.

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

There were no LCFs during the month of December 2019.

There were no GCFs during the month of December 2019.

There were no GSFs during the month of December 2019.

Appendix A: Trading and Settlement Code Breaches

Meter Data Provider Breaches

Ops Date Identifed	Ryn Type	Issue	MDP Provider	Issue Type	Description	T&SC Breach	Status
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

Table 17 - Meter data provider breaches

Market Participant Breaches

PT Name	Invoiced Period	Market	Default issued due to	Default letter Issued	T&SCBreach	Status
Dan Twomey Waterpower Engineering Limited.	WK_46_2019	BMCRM	Timing	Yes	Major	Closed
Just Energy (Ireland) Limited	WK_46_2019	BMCRM	Timing	Yes	Major	Closed
Axpo Trading AG	WK_48_2019	BMCRM	Timing	Yes	Major	Closed
Just Energy (Ireland) Limited	WK_48_2019	BMCRM	Timing	Yes	Major	Closed
New Measured Power Limited TA Pinergy	WK_49_2019	BMCRM	Timing	Yes	Major	Closed
Templederry Renewable Energy Supply Limited	WK_49_2019	BMCRM	Timing	Yes	Major	Closed
Contour Global Solutions (Northern Ireland) Limited	WK_49_2019	BMCRM	Timing	Yes	Major	Closed

Table 18 - Clearing Default Notices

Ops Date indentified	PT Name	Issue Type	Default Letter Sent	Cause	Resolution	Closed	T & SC Breach
17/12/2019	AXPO UK LIMITED	Credit	Yes	CCIN was not resolved within the T& S Code timeframes	Reduction in required collateral	20/12/2019	Major

Table 19 - Credit Default Notices

Market Operator Breaches

Ops Date Identified	Periods affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
1st, 18th,	2	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late **on** target day due to an overrun of processing time required for settlement run	Indicative process delayed due to completion time required for other settlement processes running in parallel	Scheduling of competing settlement procceses to be monitroed and adjusted as required.	Minor	Closed
2nd ,21st , 22nd	3	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published late **after** target day due to an overrun of processing time required for settlement run	Indicative process delayed due to completion time required for other settlement processes running in parallel	Scheduling of competing settlement procceses to be monitroed and adjusted as required.	Minor	Closed
6th - 8th	3	Indicative	Timing	SEMO	Late MDP data	Indicative runs were 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
10th,11th	2	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late after 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
31st	1	Indicative	Timing	SEMO	DA/IDT Trades	Indicative runs were published late after 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

Table 20 – Delays to Indicative Settlement

Ops Date Identified	Periods	Run	Quality or	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
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
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

Table 21 – Delays to Initial Settlement

Ops Date Identified	Periods	Run	Quality or	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
30/09/2018 - 06/09/2018	1	M+13	Timing	SEMO	Settlements Data processing issue	M+13 run was published late	Instruction Profiler data processing issues	Instruction Profilor issue for Initial Settlement and Settlement Documents which occurred during October 2019 had a knock on	Minor	Closed

Table 22 – Delays to M13 re-settlement

Appendix B: Historical Settlement Information

Settlements : July 2019 data key process updates						
Settlement Dates	**Run Category**	**Run Type**	**Runs to complete**	**On Time**	**Delayed – Same Day publication**	**Delayed > 1 Day**
$1^{st} – 31^{st}$	Settlements	Indicative	31	17	4	10
$1^{st} – 31^{st}$	Settlements	Initial	31	29	2	-
Sep 30^{th} 2018 – Oct 27^{th} 2018	M+4 Resettlement	Weekly	28	28	-	-
$1^{st} – 31^{st}$	Credit Reports	Daily	66	66	-	-
$1^{st} – 31^{st}$	Payments In	Weekly	4	4	-	-
$1^{st} – 31^{st}$	Payments Out	Weekly	4	4	-	-
1^{st}-31^{st}	Settlement Documents	Weekly	4	4		

Figure 7 - Settlement Information July 2019

Settlements : August 2019 data key process updates						
Settlement Dates	**Run Category**	**Run Type**	**Runs to complete**	**On Time**	**Delayed – Same Day publication**	**Delayed > 1 Day**
1^{st} – 31st	Settlements	Indicative	31	19	3	8
$1^{st} – 31^{st}$	Settlements	Initial	31	28	3	-
Oct 28^{th} 2018 – Dec 1^{st} 2018	M+4 Resettlement	Weekly	28	28	-	-
$1^{st} – 31^{st}$	Credit Reports	Daily	66	66	-	-
$1^{st} – 31^{st}$	Payments In	Weekly	4	4	-	-
$1^{st} – 31^{st}$	Payments Out	Weekly	4	4	-	-
$1^{st} – 31^{st}$	Settlement Documents	Weekly	4	4		

Figure 8 - Settlement Information August 2019

Settlements : Sep 2019 data process updates

Settlement Dates	Run Category	Run Type	Runs to complete	On Time	Delayed – Same Day publication	Delayed > 1 Day
1st – 30th	Settlements	Indicative	30	10	9	11
1st – 30th	Settlements	Initial	30	17	6	7
Dec 2nd 2018 – Dec 29th 2018	M+4 Resettlement	Weekly	28	28	-	-
1st – 30th	Credit Reports	Daily	66	66	-	-
1st – 30th	Payments In	Weekly	4	4	-	-
1st – 30th	Payments Out	Weekly	4	4	-	-
Aug 25th – Sep 21st	Settlement Documents	Weekly	4	1	2	1

Figure 9 - Settlement Information September 2019

Settlements : Oct 2019 data process updates

Settlement Dates	Run Category	Run Type	Runs to complete	On Time	Delayed – Same Day publication	Delayed > 1 Day
1st – 31st	Settlements	Indicative	31	12	-	19
1st – 31st	Settlements	Initial	31	18	4	9
6th Jan 2019 – 2nd Feb 2019	M+4 Resettlement	Weekly	28	28	-	-
1st – 31st	Credit Reports	Daily	66	66	-	-
1st – 31st	Payments In	Weekly	4	3	-	-
1st – 31st	Payments Out	Weekly	4	4	-	-
Sep 22nd – Oct 19th	Settlement Documents	Weekly	4	3	-	1

Figure 10 - Settlement Information October 2019

Settlements : Nov 2019 data process updates

Settlement Dates	Run Category	Run Type	Runs to complete	On Time	Delayed – Same Day publication	Delayed > 1 Day
1st – 30th	Settlements	Indicative	30	6	5	19
1st – 30th	Settlements	Initial	30	25	3	2
3rd Feb 2019 – 9th Mar	M+4 Resettlement	Weekly	28	28	-	-
30th Sep – 19th Oct 2018	M+13 Resettlement	Weekly	28	28	-	-
1st – 30th	Credit Reports	Daily	66	66	-	-
1st – 30th	Payments In	Weekly	4	4	-	-
1st – 30th	Payments Out	Weekly	4	4	-	-
Oct 20th – Nov 23rd	Settlement Documents	Weekly	4	4	-	-

Figure 11 - Settlement Information November 2019

Appendix C: Settlement Publication Timings

Indicative Settlement

Operational Date	Market	Run	Period End Date	Target Date & Time	Published Date & Time
02/12/2019	BALIMB	Indicative	01/12/2019	02/12/2019 17:00	03/12/2019 09:44
03/12/2019	BALIMB	Indicative	02/12/2019	03/12/2019 17:00	03/12/2019 17:09
04/12/2019	BALIMB	Indicative	03/12/2019	04/12/2019 17:00	04/12/2019 16:33
05/12/2019	BALIMB	Indicative	04/12/2019	05/12/2019 17:00	05/12/2019 15:54
06/12/2019	BALIMB	Indicative	05/12/2019	06/12/2019 17:00	06/12/2019 15:49
09/12/2019	BALIMB	Indicative	06/12/2019	09/12/2019 17:00	10/12/2019 16:18
09/12/2019	BALIMB	Indicative	07/12/2019	09/12/2019 17:00	10/12/2019 16:24
09/12/2019	BALIMB	Indicative	08/12/2019	09/12/2019 17:00	10/12/2019 16:37
10/12/2019	BALIMB	Indicative	09/12/2019	10/12/2019 17:00	10/12/2019 16:51
11/12/2019	BALIMB	Indicative	10/12/2019	11/12/2019 17:00	12/12/2019 11:12
12/12/2019	BALIMB	Indicative	11/12/2019	12/12/2019 17:00	13/12/2019 11:56
13/12/2019	BALIMB	Indicative	12/12/2019	13/12/2019 17:00	13/12/2019 16:37
16/12/2019	BALIMB	Indicative	13/12/2019	16/12/2019 17:00	16/12/2019 16:11
16/12/2019	BALIMB	Indicative	14/12/2019	16/12/2019 17:00	16/12/2019 16:21
16/12/2019	BALIMB	Indicative	15/12/2019	16/12/2019 17:00	16/12/2019 16:49
17/12/2019	BALIMB	Indicative	16/12/2019	17/12/2019 17:00	17/12/2019 16:34
18/12/2019	BALIMB	Indicative	17/12/2019	18/12/2019 17:00	18/12/2019 16:46
19/12/2019	BALIMB	Indicative	18/12/2019	19/12/2019 17:00	19/12/2019 17:09
20/12/2019	BALIMB	Indicative	19/12/2019	20/12/2019 17:00	20/12/2019 16:20
23/12/2019	BALIMB	Indicative	20/12/2019	23/12/2019 17:00	23/12/2019 16:55
23/12/2019	BALIMB	Indicative	21/12/2019	23/12/2019 17:00	24/12/2019 09:24
23/12/2019	BALIMB	Indicative	22/12/2019	23/12/2019 17:00	24/12/2019 09:48
24/12/2019	BALIMB	Indicative	23/12/2019	24/12/2019 17:00	24/12/2019 14:18
30/12/2019	BALIMB	Indicative	24/12/2019	30/12/2019 17:00	30/12/2019 12:02
30/12/2019	BALIMB	Indicative	25/12/2019	30/12/2019 17:00	30/12/2019 12:11
30/12/2019	BALIMB	Indicative	26/12/2019	30/12/2019 17:00	30/12/2019 12:19
30/12/2019	BALIMB	Indicative	27/12/2019	30/12/2019 17:00	30/12/2019 15:13
30/12/2019	BALIMB	Indicative	28/12/2019	30/12/2019 17:00	30/12/2019 15:17
30/12/2019	BALIMB	Indicative	29/12/2019	30/12/2019 17:00	30/12/2019 15:33
31/12/2019	BALIMB	Indicative	30/12/2019	31/12/2019 17:00	31/12/2019 14:20
02/01/2020	BALIMB	Indicative	31/12/2019	02/01/2020 17:00	03/01/2020 12:07

Table 23 – Indicative Settlement Publication times

Initial Settlement

Operational Date	Market	Run	Period End Date	Target Date & Time	Published Date & Time
06/12/2019	BALIMB	Initial	01/12/2019	06/12/2019 12:00	06/12/2019 11:03
09/12/2019	BALIMB	Initial	02/12/2019	09/12/2019 12:00	09/12/2019 11:58
10/12/2019	BALIMB	Initial	03/12/2019	10/12/2019 12:00	10/12/2019 14:29
11/12/2019	BALIMB	Initial	04/12/2019	11/12/2019 12:00	11/12/2019 11:52
12/12/2019	BALIMB	Initial	05/12/2019	12/12/2019 12:00	12/12/2019 11:32
13/12/2019	BALIMB	Initial	06/12/2019	13/12/2019 12:00	12/12/2019 16:52
13/12/2019	BALIMB	Initial	07/12/2019	13/12/2019 12:00	13/12/2019 08:33
13/12/2019	BALIMB	Initial	08/12/2019	13/12/2019 12:00	13/12/2019 11:05
16/12/2019	BALIMB	Initial	09/12/2019	16/12/2019 12:00	16/12/2019 11:45
17/12/2019	BALIMB	Initial	10/12/2019	17/12/2019 12:00	17/12/2019 11:31
18/12/2019	BALIMB	Initial	11/12/2019	18/12/2019 12:00	18/12/2019 11:48
19/12/2019	BALIMB	Initial	12/12/2019	19/12/2019 12:00	19/12/2019 11:56
20/12/2019	BALIMB	Initial	13/12/2019	20/12/2019 12:00	19/12/2019 16:59
20/12/2019	BALIMB	Initial	14/12/2019	20/12/2019 12:00	20/12/2019 08:51
20/12/2019	BALIMB	Initial	15/12/2019	20/12/2019 12:00	20/12/2019 10:25
23/12/2019	BALIMB	Initial	16/12/2019	23/12/2019 12:00	23/12/2019 11:02
24/12/2019	BALIMB	Initial	17/12/2019	24/12/2019 12:00	24/12/2019 10:42
30/12/2019	BALIMB	Initial	18/12/2019	30/12/2019 12:00	30/12/2019 10:07
30/12/2019	BALIMB	Initial	19/12/2019	30/12/2019 12:00	30/12/2019 10:20
30/12/2019	BALIMB	Initial	20/12/2019	30/12/2019 12:00	30/12/2019 10:33
30/12/2019	BALIMB	Initial	21/12/2019	30/12/2019 12:00	30/12/2019 10:42
30/12/2019	BALIMB	Initial	22/12/2019	30/12/2019 12:00	30/12/2019 11:02
30/12/2019	BALIMB	Initial	23/12/2019	30/12/2019 12:00	30/12/2019 11:34
31/12/2019	BALIMB	Initial	24/12/2019	31/12/2019 12:00	31/12/2019 11:13
02/01/2020	BALIMB	Initial	25/12/2019	02/01/2020 12:00	02/01/2020 11:29
02/01/2020	BALIMB	Initial	26/12/2019	02/01/2020 12:00	03/01/2020 11:38
03/01/2020	BALIMB	Initial	27/12/2019	03/01/2020 12:00	03/01/2020 11:47
03/01/2020	BALIMB	Initial	28/12/2019	03/01/2020 12:00	03/01/2020 13:41
03/01/2020	BALIMB	Initial	29/12/2019	03/01/2020 12:00	03/01/2020 13:49
06/01/2020	BALIMB	Initial	30/12/2019	06/01/2020 12:00	06/01/2020 11:09
07/01/2020	BALIMB	Initial	31/12/2019	07/01/2020 12:00	07/01/2020 11:10

Table 24 – Initial Settlement Publication times

Appendix D: List of Queries by Type

Date Sent	Due Date	Query Ref No.	Charge Component
09/12/2019	23/01/2020	F0085393	CFC
10/12/2019	10/01/2020	F0085394	CFC
10/12/2019	10/01/2020	F0085395	CFC
10/12/2019	10/01/2020	F0085396	CFC
10/12/2019	10/01/2020	F0085398	CIMB

Table 25- Upheld Queries

Date Sent	Due Date	Query Ref No.	Charge Component
02/12/2019	16/01/2020	F0085379	CIMB
03/12/2019	17/01/2020	F0085380	CIMB
02/12/2019	16/01/2020	F0085382	ACTA
05/12/2019	21/01/2020	F0085387	ACTA
05/12/2019	21/01/2020	F0085388	ACTA
05/12/2019	21/01/2020	F0085389	ACTA
05/12/2019	21/01/2020	F0085390	ACTA
05/12/2019	21/01/2020	F0085391	CIMB
10/12/2019	24/01/2020	F0085397	CIMB
10/12/2019	24/01/2020	F0085400	CIMB
11/12/2019	27/01/2020	F0085401	CDISCOUNT
12/12/2019	14/01/2020	F0085402	ACTA
19/12/2019	21/01/2020	F0085422	CIMB
20/12/2019	22/01/2020	F0085426.	CPREMIUM
23/12/2019	23/01/2020	F0085427	ACTA
23/12/2019	23/01/2020	F0085428	ACTA

Table 26- Unresolved Formal Queries