Market Operator's Performance Report

November 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 November 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 November 2019:

- There were 29 late publications of Indicative and Initial Settlement runs as per the Trading and Settlement Code timelines;
    - Key determinants of the delays were issues relating to the Instruction profiler[1] following the clock change, and issues relating to VTOD registration data.
- 5 out of 5 Settlement Documents issued on time
- There were 5 defaults by Participants
- There were 4 new units registered in the market, and 1 new party joined the market.
- There was no Credit default by Participants during November 2019 as per the Trading and Settlement code timelines;
- 155 general queries were received and 180 general queries were resolved, with 58 in progress.

The SEMO Annual Performance Report for 2018/2019 was published on 23/01/2020. This is the second 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] Instruction Profiler application – application which processes actual availabilities and dispatch instructions required for Settlements calculations.

1 Joining and Terminating Parties and Units

1.1 Balancing Market

The below Parties joined the Market between 01 November and 30 November 2019:

Party Name	Party ID	Participant ID	Unit ID	Effective Date
GreenSpark Analytics	PY_034076	PT_402565	AU_400116	20/11/2019

Table 1 - Parties who joined the market in November 2019

The below units went effective in the Market between 01 November and 30 November 2019:

Party Name	Party ID	Participant ID	Unit ID	Effective Date
GreenSpark Analytics	PY_034076	PT_402565	AU_400116	20/11/2019
SSE Airtricity Limited	PY_000021	PT_400021	GU_403950	13/11/2019
AXPO UK LIMITED	PY_034070	PT_402560	GU_403900	06/11/2019
AXPO UK LIMITED	PY_034070	PT_402560	GU_403910	06/11/2019

Table 2 – Registrations November 2019

The below unit de-registered from the Market between 01 November and 30 November 2019:

Party Name	Party ID	Participant ID	Unit ID	Effective Date
SSE Airtricity Limited	PY_000021	PT_400021	GU_401630	06/11/2019
SSE Airtricity Limited	PT_000021	PT_400021	GU_401640	06/11/2019

Table 3 – De-Registrations November 2019

1.1 Termination of Participants

There were no terminating parties in November 2019.

1.2 Suspension of Participants

No Suspension Orders were issued by the Market Operator in November 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		-	2
Market Participants	Clearing	5	-
	Credit Risk Management	0	-
Market Operator	Balancing Market	0	29
	Clearing	0	0
	Credit Risk Management	0	0
	Other	-	-
Total		**5**	**31**

Table 4 – 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 01/11/2019 - 30/11/2019		
	Indicative	**Initial**
On Time	6	25
Same Day Late	5	3
> 1 Day Late	19	2
Total runs	**30**	**30**

Table 5 - Settlement Runs completed 01/11/2019 - 30/11/2019

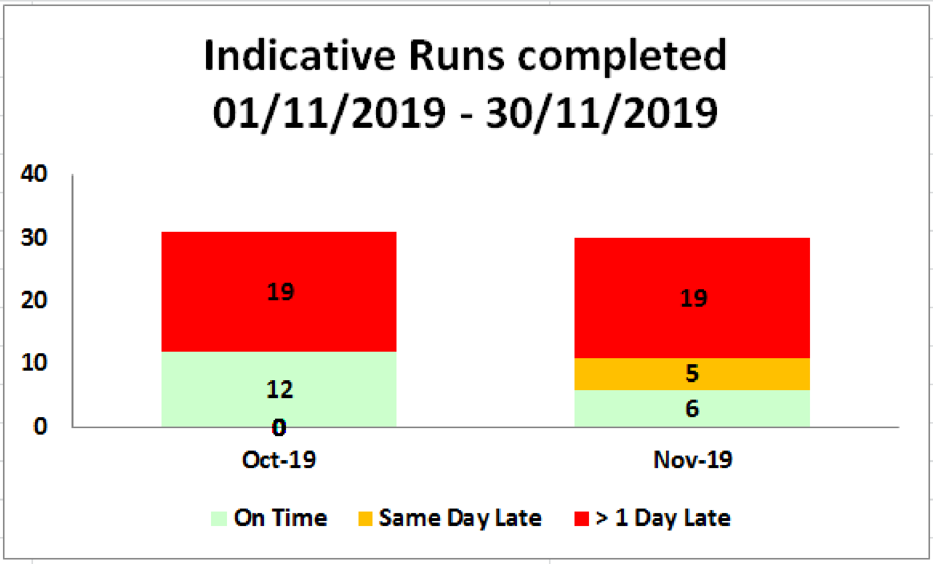

Figure 1 Indicative Settlement Runs Completed

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

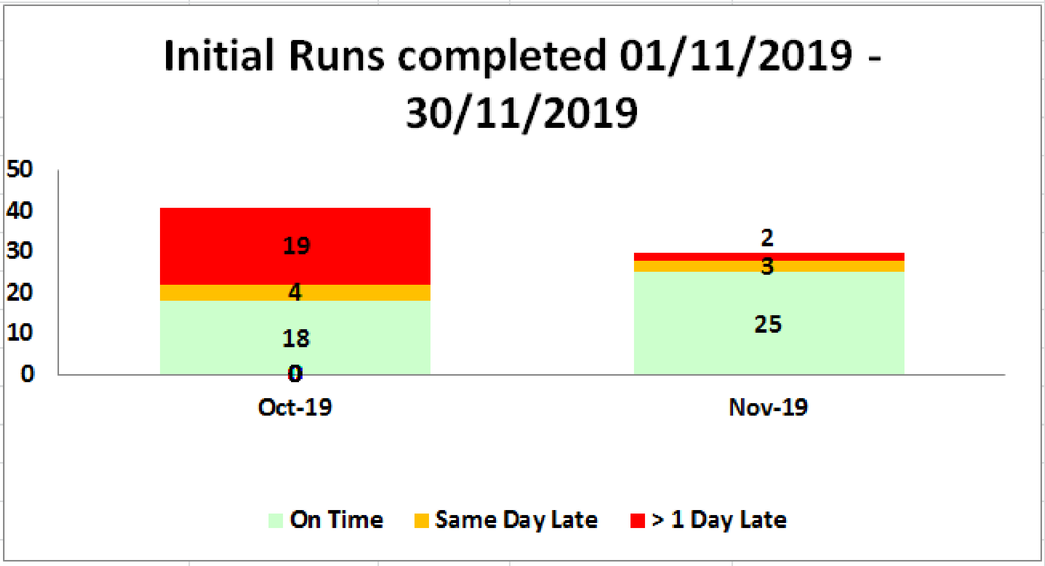

Figure 2 Initial Settlement Runs Completed

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 01/11/2019 - 30/11/2019	
	No. of Weeks
On Time	5
Same Day Late	0
> 1 Day Late	0
Total runs	**5**

Table 6 - Settlement Documents completed 01/11/2019 - 30/11/2019

3.3 M+4 and M+13 Resettlement

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

M+13 Resettlement processing occurred on time for the month of November 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 November 2019 to 30 November 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**
CIMP	Imperfections Charge	-33,050,860
CREV	Residual Error Volume Charge	-2,190,141
CSOCDIFFP	Difference Payment Socialisation Charge	-345,883
CUNIMB	Uninstructed Imbalance Charge	-174,366
CDIFFCWD	Within-day Difference Charge	-60,569
CCA	Currency Adjustment Charge	-47,604
CAOOPO	Offer Price Only Accepted Offer Payment or Charge	-43,128
CTEST	Testing Charge	0
CCURL	Curtailment Payment or Charge	5,228
CABBPO	Bid Price Only Accepted Bid Payment or Charge	23,059
CIMB	Imbalance Payment or Charge	1,429,480
CFC	Fixed Cost Payment or Charge	3,051,934
CPREMIUM	Premium Payment	7,941,901
CDISCOUNT	Discount Payment	8,045,468
Total		**- 15,415,481**

Table 7 - 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	29,106,859.22
CCC	Fixed Market Operator Charge Supplier Units	-31,443,878.60
Total		**-2,337,019.38**

Table 8 - 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	-58,815.50
CMOAV	Fixed Market Operator Charge Supplier Units	-1,512.50
CVMO	Variable Market Operator Charge	-1,233,051.31
Total		**-1,293,379.30**

Table 9 - Market Operator Charges

4.2 Financial Changes between Initial Settlement and Subsequent Reruns

During the month of November 2019:

- M+4 Resettlement has been completed for Settlement Dates 03/02/2019 to 09/03/2019
- M+13 Resettlement has been completed for Settlement Dates 30/09/2018 to 20/10/2018

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	-€825,295
CFC	-€637,997
CDIFFCNP	-€30,441
CDIFFPIMB	-€8,598
CABBPO	-€3,420
CTEST	€0
CCA	€397
CCURL	€2,836
CSOCDIFFP	€8,733
CREV	€34,865
CUNIMB	€38,753
CIMP	€137,805
CAOOPO	€153,527
CDIFFCWD	€258,892
CDISCOUNT	€1,093,409
CIMB	€1,718,581
Total	**€1,942,048**

Table 10 - Balancing Market Resettlement

Capacity Market Resettlement	
Component	**Difference**
CCP	€25,140
CCC	€379,672
Total	**€404,812**

Table 11 - Capacity Market Resettlement

Market Operator Charges Resettlement	
Component	**Difference**
CMOAV	€0
CMOAU	€45
CVMO	€13,147
Total	**€13,193**

Table 12 - 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 14 - Helpdesk Query Statistics cover the month of November 2019.

Received	Resolved	Open
155	180	58

Table 13 – Helpdesk Query Statistics

The average resolution time for queries in November 2019 was 11.1 working days.

Definitions

- Resolved refers to queries resolved within November 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 November 2019.
- Open refers to queries raised but not resolved as of 30th of November 2019

5.2 *Settlement Queries*

There were 24 Formal Settlement queries raised in November 2019.

9 have been upheld, 1 rejected & 14 are unresolved at this time that are currently under investigation.

Topic (upheld Queries)	Number of Queries
CCP	1
CDISCOUNT	1
CIMB	3
CVMO	3
CUNIMB	1

Table 14 – 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 October 2019 can be found in **Appendix D.**

5.3 Disputes

There were no Disputes raised in the month of November 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 November 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 November was €48.03.

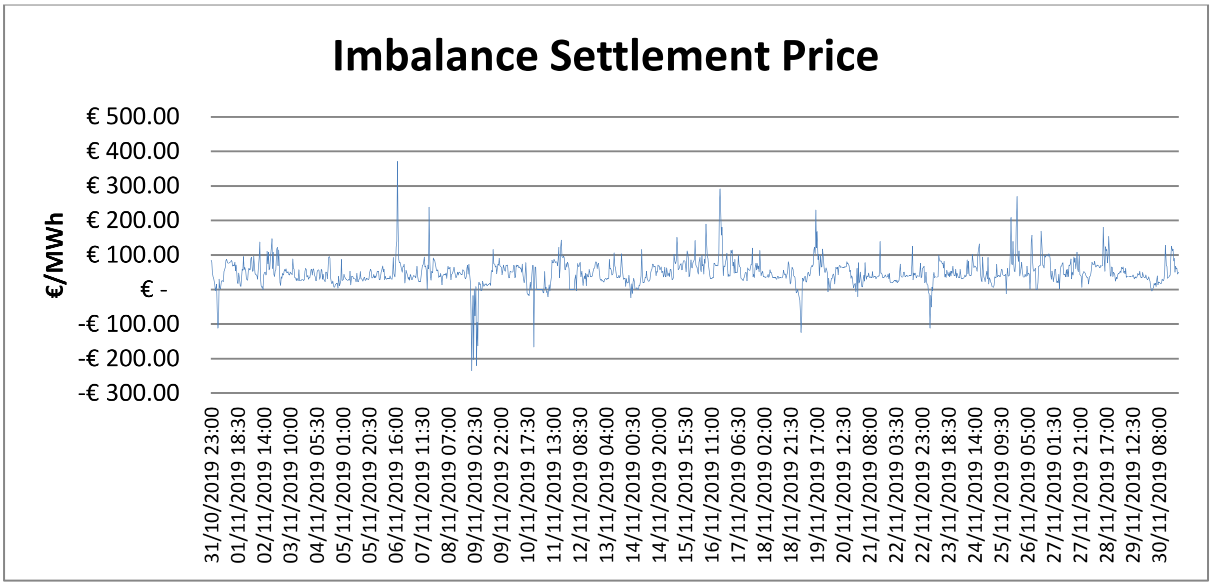

Figure 3 – Imbalance Settlement Price

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 Imbalance Prices for a given Imbalance Settlement Period.

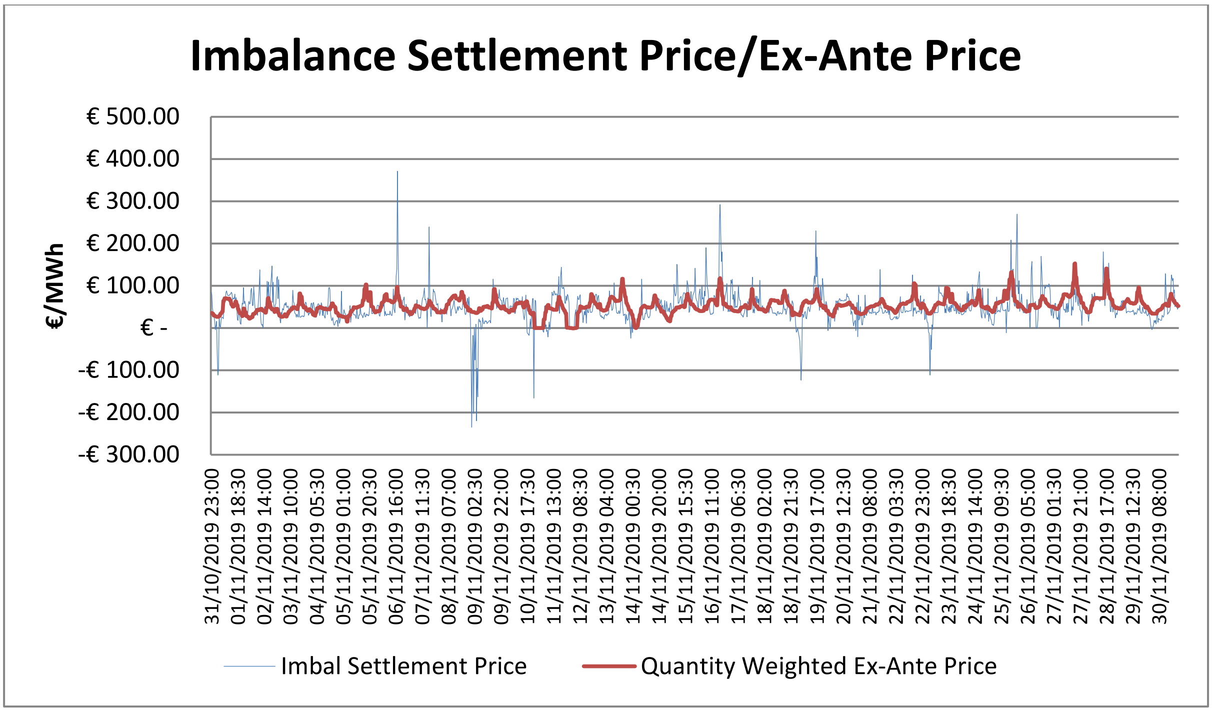

Figure 4 –Imbalance Settlement Price & Quantity Weighted Ex-Ante Price Comparison

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

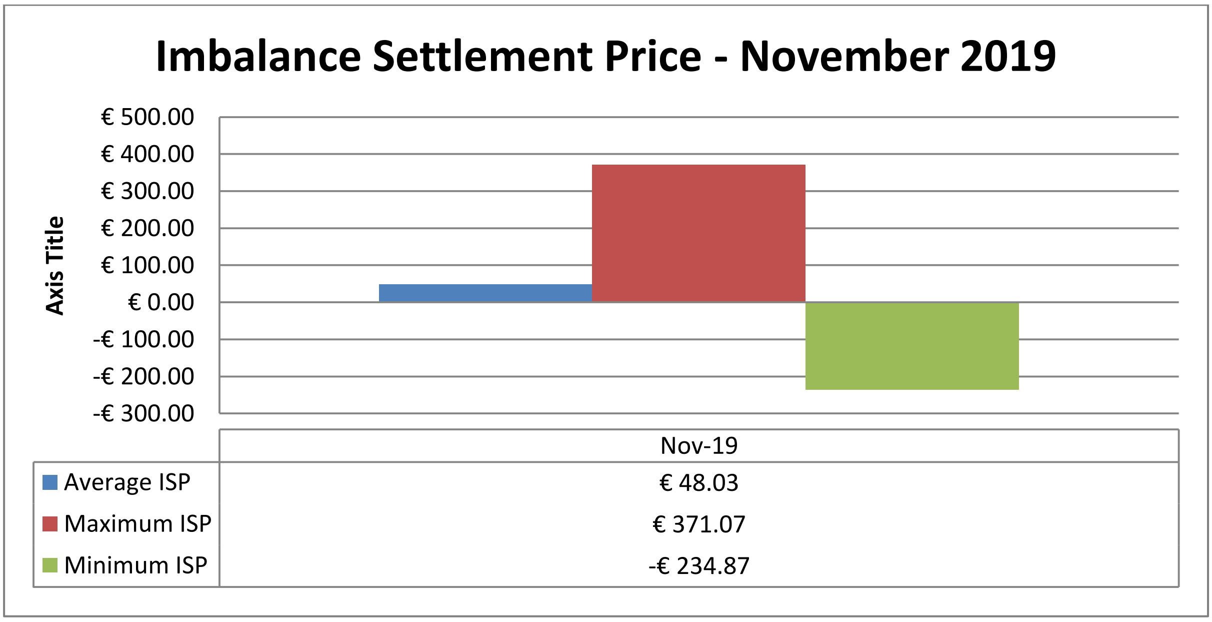

Figure 5 –Highest, Lowest and Average Imbalance Prices

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**.

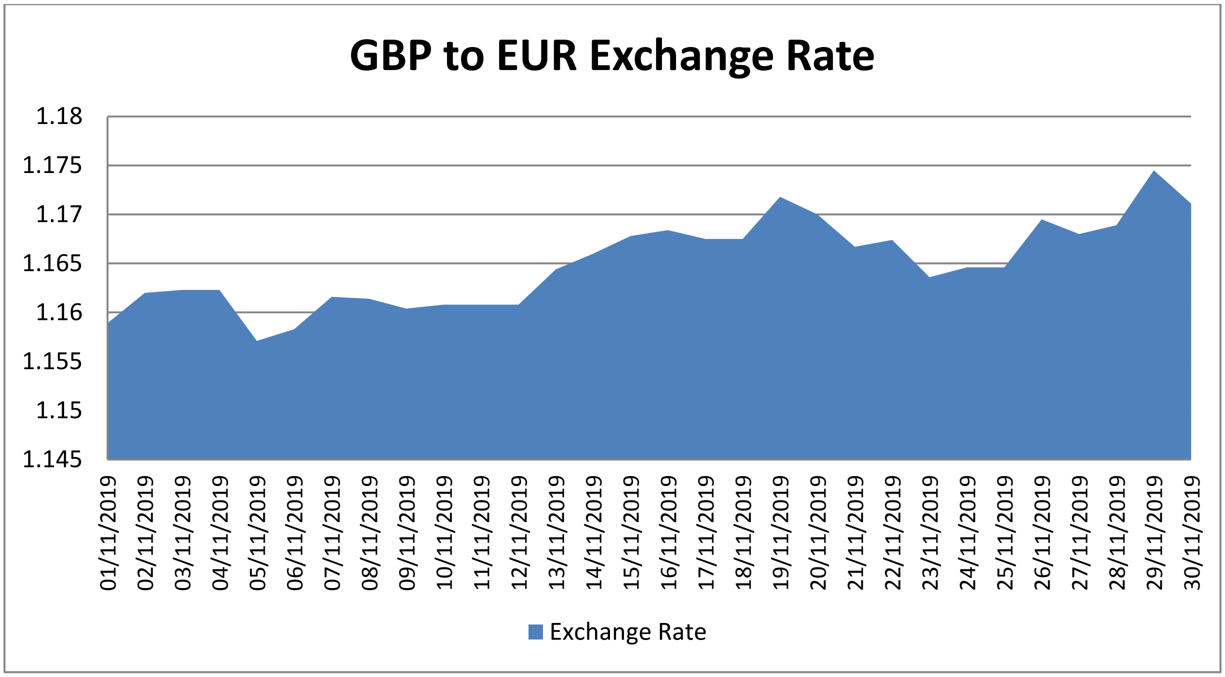

Figure 6 –GBP to EUR Exchange Rate

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 16 Market Back Up Prices published; as a result 56 missed Imbalance Prices[2].

[2] 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 November 2019 and 30th November 2019. Table 15 shows the dates and number of Modifications Committee Meetings and Working Groups that took place over this period.

Meeting	Date	Location
Mod_14_19 Working Group 1	13th November 2019	Belfast
Mod_15_19 Working Group 1	15th November 2019	Conference Call

Table 15: Balancing Market: Trading & Settlement Code Modifications Committee Meetings

At the Modifications Committee Meeting, decisions are made with regard to progressing various Modification Proposals. Table 16 gives an outline of the amount of activity that has taken place over this period.

Modification Proposal Activity	Total
Raised	0
Alternative Versions raised	0
Withdrawn	0
Deferred	0
Extension Granted	0
Recommended for Approval	0
Recommended for Rejection	0
Further Work Required	0
RA Decision Approved	1
RA Decision Rejected	1

Table 16 - 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 17).

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

RA Decision Approved

- Mod_12_19 System Service Flag for Demand Site Units

RA Decision Rejected

- Mod_38_18 Limitation of Capacity Market Difference Payments to Metered Demand

8 Central Systems

8.1 System Releases

Once defects have been raised, the issue is assessed in the wider defect pool and assigned to a code drop in line with its severity and priority. Drop dates to test have been agreed with our vendor, with release to production plans provided based on successful test closures.

November releases to production saw a number of application performance improvements; in addition to fixes for Settlement report 44.

8.2 System Availability

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

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

Table 17 - 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 November 2019.

There were no GCFs during the month of November 2019.

There were no GSFs during the month of November 2019.

Appendix A: Trading and Settlement Code Breaches

Meter Data Provider Breaches

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

Table 18 - Meter data provider breaches

Market Participant Breaches

PT Name	Invoiced Period	Market	Default issued due to	Default letter Issued	T&SCBreach	Status
Electricity Exchange Limited	Wk_41_2019	BMCRM	Timing	Yes	Major	Closed
Arden Energy Limited	Wk_44_2019	BMCRM	Timing	Yes	Major	Closed
Danske Commodities A/S	WK_45_2019	BMCRM	Timing	Yes	Major	Closed
Glow Power Limited	WK_45_2019	BMCRM	Timing	Yes	Major	Closed
Powerhouse Generation Limited	WK_45_2019	BMCRM	Timing	Yes	Major	Closed

Table 19 Clearing Default Notices

Market Operator Breaches

Ops Date Identified	Periods affect	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
1st - 14th, 19th , 22nd - 24th , 27th	19	Indicative	Timing	SEMO	Settlements Data processing issues	Indicative runs were published late **after** 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
15th - 17th, 20th, 30th	5	Indicative	Timing	SEMO	Settlements Data processing issues	Indicative 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

Table 20 – Delays to Indicative Settlement

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

Table 21 – Delays to Initial 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
1st – 31st	Settlements	Indicative	31	17	4	10
1st – 31st	Settlements	Initial	31	29	2	-
Sep 30th 2018 – Oct 27th 2018	M+4 Resettlement	Weekly	28	28	-	-
1st – 31st	Credit Reports	Daily	66	66	-	-
1st – 31st	Payments In	Weekly	4	4	-	-
1st – 31st	Payments Out	Weekly	4	4	-	-
1st-31st	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
1st – 31st	Settlements	Indicative	31	19	3	8
1st – 31st	Settlements	Initial	31	28	3	-
Oct 28th 2018 – Dec 1st 2018	M+4 Resettlement	Weekly	28	28	-	-
1st – 31st	Credit Reports	Daily	66	66	-	-
1st – 31st	Payments In	Weekly	4	4	-	-
1st – 31st	Payments Out	Weekly	4	4	-	-
1st – 31st	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

Appendix C: Settlement Publication Timings

Indicative Settlement

Operational Date	Market	Run	Period End Date	Target Date & Time	Published Date & Time
04/11/2019	BALIMB	Indicative	01/11/2019	04/11/2019 17:00	07/11/2019 10:16
04/11/2019	BALIMB	Indicative	02/11/2019	04/11/2019 17:00	07/11/2019 10:21
04/11/2019	BALIMB	Indicative	03/11/2019	04/11/2019 17:00	07/11/2019 10:47
05/11/2019	BALIMB	Indicative	04/11/2019	05/11/2019 17:00	07/11/2019 10:55
06/11/2019	BALIMB	Indicative	05/11/2019	06/11/2019 17:00	07/11/2019 11:00
07/11/2019	BALIMB	Indicative	06/11/2019	07/11/2019 17:00	12/11/2019 16:56
08/11/2019	BALIMB	Indicative	07/11/2019	08/11/2019 17:00	14/11/2019 08:34
11/11/2019	BALIMB	Indicative	08/11/2019	11/11/2019 17:00	14/11/2019 08:38
11/11/2019	BALIMB	Indicative	09/11/2019	11/11/2019 17:00	14/11/2019 09:56
11/11/2019	BALIMB	Indicative	10/11/2019	11/11/2019 17:00	14/11/2019 10:00
12/11/2019	BALIMB	Indicative	11/11/2019	12/11/2019 17:00	14/11/2019 10:04
13/11/2019	BALIMB	Indicative	12/11/2019	13/11/2019 17:00	14/11/2019 10:18
14/11/2019	BALIMB	Indicative	13/11/2019	14/11/2019 17:00	15/11/2019 10:11
15/11/2019	BALIMB	Indicative	14/11/2019	15/11/2019 17:00	18/11/2019 11:44
18/11/2019	BALIMB	Indicative	15/11/2019	18/11/2019 17:00	18/11/2019 17:10
18/11/2019	BALIMB	Indicative	16/11/2019	18/11/2019 17:00	18/11/2019 17:46
18/11/2019	BALIMB	Indicative	17/11/2019	18/11/2019 17:00	18/11/2019 17:52
19/11/2019	BALIMB	Indicative	18/11/2019	19/11/2019 17:00	20/11/2019 10:52
20/11/2019	BALIMB	Indicative	19/11/2019	20/11/2019 17:00	20/11/2019 18:01
21/11/2019	BALIMB	Indicative	20/11/2019	21/11/2019 17:00	21/11/2019 16:46
22/11/2019	BALIMB	Indicative	21/11/2019	22/11/2019 17:00	22/11/2019 16:50
25/11/2019	BALIMB	Indicative	22/11/2019	25/11/2019 17:00	26/11/2019 10:00
25/11/2019	BALIMB	Indicative	23/11/2019	25/11/2019 17:00	26/11/2019 10:02
25/11/2019	BALIMB	Indicative	24/11/2019	25/11/2019 17:00	26/11/2019 10:07
26/11/2019	BALIMB	Indicative	25/11/2019	26/11/2019 17:00	26/11/2019 16:35
27/11/2019	BALIMB	Indicative	26/11/2019	27/11/2019 17:00	27/11/2019 16:39
28/11/2019	BALIMB	Indicative	27/11/2019	28/11/2019 17:00	29/11/2019 11:28
29/11/2019	BALIMB	Indicative	28/11/2019	29/11/2019 17:00	29/11/2019 16:30
02/12/2019	BALIMB	Indicative	29/11/2019	02/12/2019 17:00	02/12/2019 16:57
02/12/2019	BALIMB	Indicative	30/11/2019	02/12/2019 17:00	02/12/2019 17:32

Table 22 – Indicative Settlement Publication times

Initial Settlement

Operational Date	Market	Run	Period End Date	Target Date & Time	Published Date & Time
08/11/2019	BALIMB	Initial	01/11/2019	08/11/2019 12:00	08/11/2019 11:00
08/11/2019	BALIMB	Initial	02/11/2019	08/11/2019 12:00	08/11/2019 08:03
08/11/2019	BALIMB	Initial	03/11/2019	08/11/2019 12:00	08/11/2019 11:10
11/11/2019	BALIMB	Initial	04/11/2019	11/11/2019 12:00	11/11/2019 11:47
12/11/2019	BALIMB	Initial	05/11/2019	12/11/2019 12:00	12/11/2019 11:07
13/11/2019	BALIMB	Initial	06/11/2019	13/11/2019 12:00	14/11/2019 16:19
14/11/2019	BALIMB	Initial	07/11/2019	14/11/2019 12:00	15/11/2019 08:03
15/11/2019	BALIMB	Initial	08/11/2019	15/11/2019 12:00	15/11/2019 09:34
15/11/2019	BALIMB	Initial	09/11/2019	15/11/2019 12:00	15/11/2019 09:46
15/11/2019	BALIMB	Initial	10/11/2019	15/11/2019 12:00	15/11/2019 10:35
18/11/2019	BALIMB	Initial	11/11/2019	18/11/2019 12:00	18/11/2019 13:08
19/11/2019	BALIMB	Initial	12/11/2019	19/11/2019 12:00	19/11/2019 11:17
20/11/2019	BALIMB	Initial	13/11/2019	20/11/2019 12:00	20/11/2019 11:23
21/11/2019	BALIMB	Initial	14/11/2019	21/11/2019 12:00	21/11/2019 11:06
22/11/2019	BALIMB	Initial	15/11/2019	22/11/2019 12:00	22/11/2019 12:00
22/11/2019	BALIMB	Initial	16/11/2019	22/11/2019 12:00	22/11/2019 09:03
22/11/2019	BALIMB	Initial	17/11/2019	22/11/2019 12:00	22/11/2019 12:01
25/11/2019	BALIMB	Initial	18/11/2019	25/11/2019 12:00	25/11/2019 12:43
26/11/2019	BALIMB	Initial	19/11/2019	26/11/2019 12:00	26/11/2019 11:40
27/11/2019	BALIMB	Initial	20/11/2019	27/11/2019 12:00	27/11/2019 10:49
28/11/2019	BALIMB	Initial	21/11/2019	28/11/2019 12:00	28/11/2019 11:15
29/11/2019	BALIMB	Initial	22/11/2019	29/11/2019 12:00	29/11/2019 12:00
29/11/2019	BALIMB	Initial	23/11/2019	29/11/2019 12:00	29/11/2019 10:15
29/11/2019	BALIMB	Initial	24/11/2019	29/11/2019 12:00	29/11/2019 11:27
02/12/2019	BALIMB	Initial	25/11/2019	02/12/2019 12:00	02/12/2019 11:01
03/12/2019	BALIMB	Initial	26/11/2019	03/12/2019 12:00	03/12/2019 11:30
04/12/2019	BALIMB	Initial	27/11/2019	04/12/2019 12:00	04/12/2019 11:27
05/12/2019	BALIMB	Initial	28/11/2019	05/12/2019 12:00	05/12/2019 11:11
06/12/2019	BALIMB	Initial	29/11/2019	06/12/2019 12:00	06/12/2019 11:00
06/12/2019	BALIMB	Initial	30/11/2019	06/12/2019 12:00	06/12/2019 11:05

Table 23 – Initial Settlement Publication times

Appendix D: List of Queries by Type

Date Sent	Due Date	Query Ref No.	Charge Component
01/11/2019	29/11/2019	F0085303	CCP
06/11/2019	04/12/2019	F0085315	CDISCOUNT
13/11/2019	11/12/2019	F0085326	CIMB
14/11/2019	12/12/2019	F0085328	CVMO
14/11/2019	12/12/2019	F0085329	CVMO
14/11/2019	12/12/2019	F0085330	CVMO
15/11/2019	31/12/2019	F0085333	CIMB
20/11/2019	18/12/2019	F0085348	CUNIMB
20/11/2019	18/12/2019	F0085349	CIMB

Table 24- Upheld Queries

Date Sent	Due Date	Query Ref No.	Charge Component
11/11/2019	23/12/2019	F0085320	CUNIMB
12/11/2019	24/12/2019	F0085322	CUNIMB
13/11/2019	27/12/2019	F0085325	CFC
20/11/2019	18/12/2019	F0085351	CFC
20/11/2019	18/12/2019	F0085352	CFC
20/11/2019	18/12/2019	F0085353	CFC
20/11/2019	18/12/2019	F0085354	CFC
20/11/2019	18/12/2019	F0085356	CFC
20/11/2019	18/12/2019	F0085361	CCP
21/11/2019	19/12/2019	F0085365	CCURL
22/11/2019	20/12/2019	F0085366	CUNIMB
25/11/2019	23/12/2019	F0085368	CUNIMB
25/11/2019	23/12/2019	F0085369	QDs
29/11/2019	27/12/2019	F0085378	CCP

Table 25- Unresolved Formal Queries