



Market Operator's Performance Report

November 2020

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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 2020 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 2020:

- There were 28 late publications of Indicative and Initial Settlement runs as per the Trading and Settlement Code timelines
- KIR#196,885 issue following Release F delayed processing.
- KIR#199,930 issue with Instruction Profiler delayed processing.
- KIR#201,143 issue following a CIM load delayed processing.
- 8 out of 10 Settlement Documents issued on time
- There were 8 payment defaults by Participants
- There were 5 new units registered in the market and 1 new party joined the market
- There was 0 Credit default by Participants as per the Trading and Settlement code timelines
- 163 general queries were received, and 154 general queries were resolved, with 49 in progress

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

The below Party went effective in the Market between 01 November and 30 November 2020:

Party Name	Party ID	Participant ID	Effective Date
Amazon Energy Eoraip Limited	PY_034094	PT_402577	11/11/2020

Table 1 - Parties who joined the market in November 2020

The below Units went effective in the Market between 01 November and 30 November 2020:

Party Name	Party ID	Participant ID	Unit ID	Effective date
Amazon Energy Eoraip Limited	PY_034094	PT_402577	SU_400351	11/11/2020
Amazon Energy Eoraip Limited	PY_034094	PT_402577	GU_404340	11/11/2020
Electricity Exchange Limited	PY_000114	PT_502516	DSU_503460	11/11/2020
Electricity Exchange Limited	PY_000114	PT_502516	SU_500309	11/11/2020
Rio Energy Supply Limited	PY_034074	PT_402563	GU_404480	18/11/2020

Table 2 – Registrations November 2020

No Units de-registered from the Market between 01 November and 30 November 2020

1.1 Termination of Participants

There were no terminating parties in November 2020.

1.2 Suspension of Participants

No Suspension Orders were issued by the Market Operator in November 2020.

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			8
Market Participants	Clearing	8	-
	Credit Risk Management	0	-
Market Operator	Balancing Market Settlement	2	28
	Clearing	-	-
	Credit Risk Management	1	-
	Other	-	-
Total		11	36

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 01/11/2020 – 30/11/2020		
	Indicative	Initial
On Time	13	19
Same Day Late	1	1
> 1 Day Late	16	10
Total runs	30	30

Table 4 - Settlement Runs completed 01/11/2020 - 30/11/2020

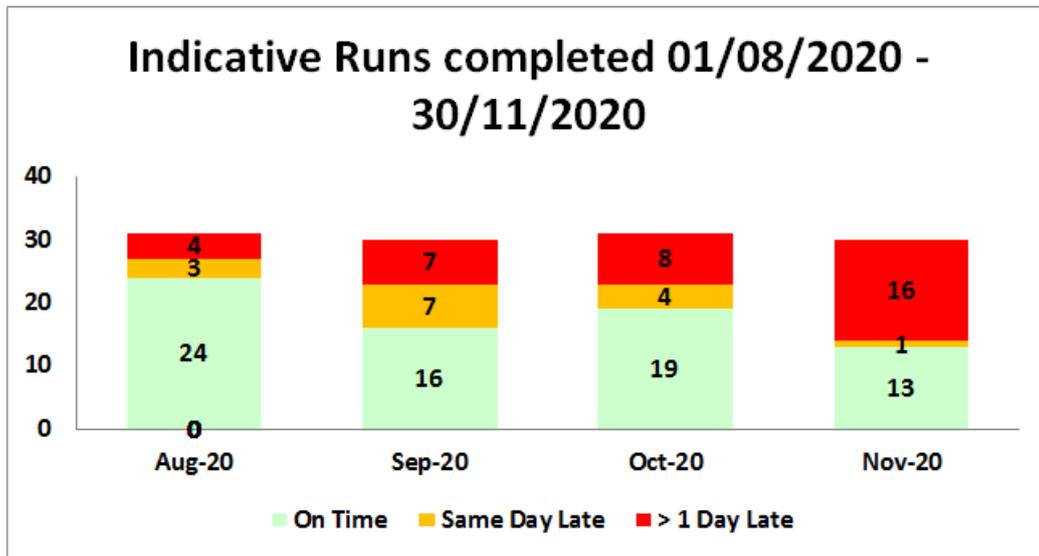


Figure 1 Indicative Settlement Runs Completed

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

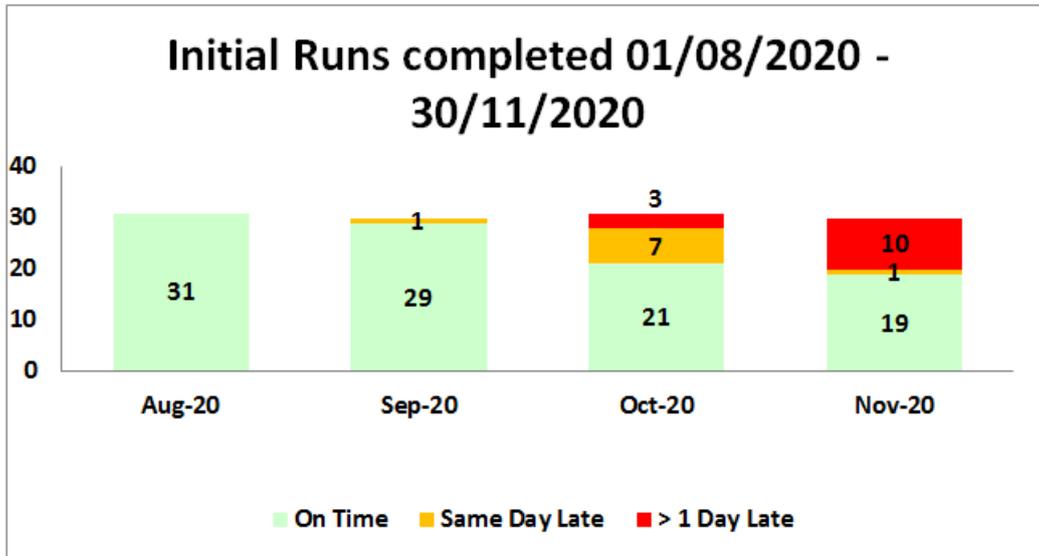


Figure 2 Initial Settlement Runs Completed

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 4 working days after the last day of the billing period.

Settlement Documents completed 01/11/2020 - 30/11/2020	
	No. of Weeks
On Time	8
Same Day Late	0
> 1 Day Late	2
Total runs	10

Table 5 - Settlement Documents completed 01/11/2020 - 30/11/2020

3.3 M+4 and M+13 Resettlement

M+4 Resettlement processing occurred during the first 4 settlement document runs for the month of November 2020. However, M+4 Resettlement was delayed for week 31 due to KIR#199,930.

M+13 Resettlement processing occurred during the first 4 settlement document runs for the month of November 2020. However, M+13 Resettlement was delayed for weeks 41 and 42 due to KIR#199,930.

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 2020 to 30 November 2020.

- 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
CPREMIUM	Premium Payment	12,915,587
CDISCOUNT	Discount Payment	8,369,651
CFC	Fixed Cost Payment or Charge	2,762,553
CAOPO	Offer Price Only Accepted Offer Payment or Charge	12,137
CABBPO	Bid Price Only Accepted Bid Payment or Charge	4,706
CSOCDIFFP	Difference Payment Socialisation Charge	-33,210
CTEST	Testing Charge	-37,685
CCURL	Curtailment Payment or Charge	-38,422
CCA	Currency Adjustment Charge	-44,855
CUNIMB	Uninstructed Imbalance Charge	-171,597
CDIFFCWD	Within-day Difference Charge	-484,691
CIMB	Imbalance Payment or Charge	-874,332
CREV	Residual Error Volume Charge	-2,654,203
CIMP	Imperfections Charge	-26,836,525
Total		-7,110,886

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	29,129,019
CCC	Fixed Market Operator Charge Supplier Units	-34,125,645
Total		-4,996,626

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
CMOAV	Fixed Market Operator Charge Supplier Units	-1,646
CMOAU	Fixed Market Operator Charge Generator Units	-66,545
CVMO	Variable Market Operator Charge	-1,434,174
Total		-1,502,365

Table 8 - Market Operator Charges

4.2 Financial Changes between Initial Settlement and Subsequent Reruns

During the month of November 2020:

- M+4 Resettlement has been completed for Settlement Dates 05/07/2020 to 01/08/2020.
- M+13 Resettlement has been completed for Settlement Dates 18/08/2019 to 12/10/2019.

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
CFC	€843,057
CPREMIUM	€393,274
CDISCOUNT	€364,047
CUNIMB	€147,964
CCURL	€21,232
CDIFFCNP	€0
CDIFFPIMB	€0
CTEST	€0
CCA	-€45
CDIFFCWD	-€75
CSOCDIFFP	-€497
CREV	-€6,872
CABBPO	-€18,849
CIMP	-€63,269
CAOOPO	-€121,900
CIMB	-€957,800
Total	€600,267

Table 9 - Balancing Market Resettlement

Capacity Market Resettlement	
Component	Difference
CCC	-€103,670
CCP	€0
Total	-€103,670

Table 10 - Capacity Market Resettlement

Market Operator Charges Resettlement	
Component	Difference
CMOAU	€208,959
CVMO	-€447
CMOAV	€5,698
Total	€214,211

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 November 2020.

Received	Resolved	Open
163	154	49

Table 12 – Helpdesk Query Statistics

The average resolution time for queries in November 2020 was 5.3 working days.

Definitions

- Resolved refers to queries resolved within November 2020, 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 2020.
- Open refers to queries raised but not resolved as of 30th of November 2020.

5.2 Settlement Queries

There were 18 Formal Settlement queries raised in November 2020.

7 have been upheld, 1 not upheld and 10 are unresolved at this time and are currently under investigation.

Topic (upheld Queries)	Number of Queries
CFC	5
CUNIMB	2

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 November 2020 can be found in **Appendix D**.

5.3 Disputes

One Dispute (a General Dispute) has been raised in the month of November 2020.

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 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 for November was €41.54.

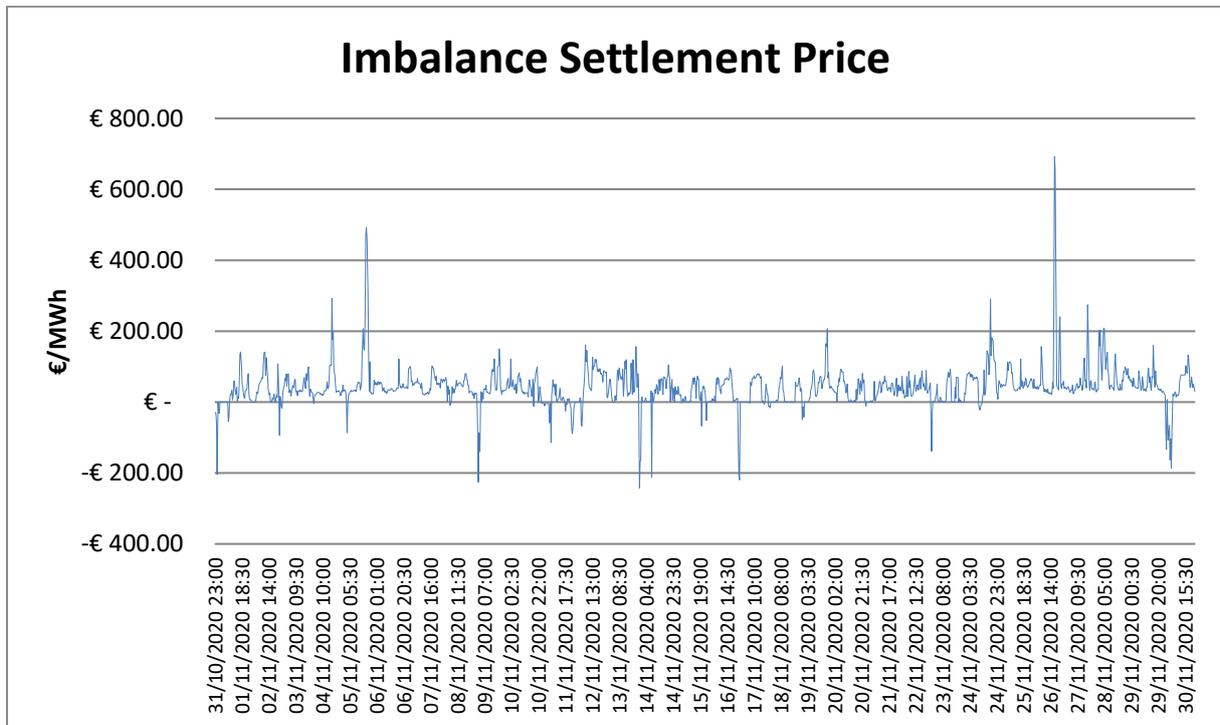


Figure 3 – Imbalance Settlement Price

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.

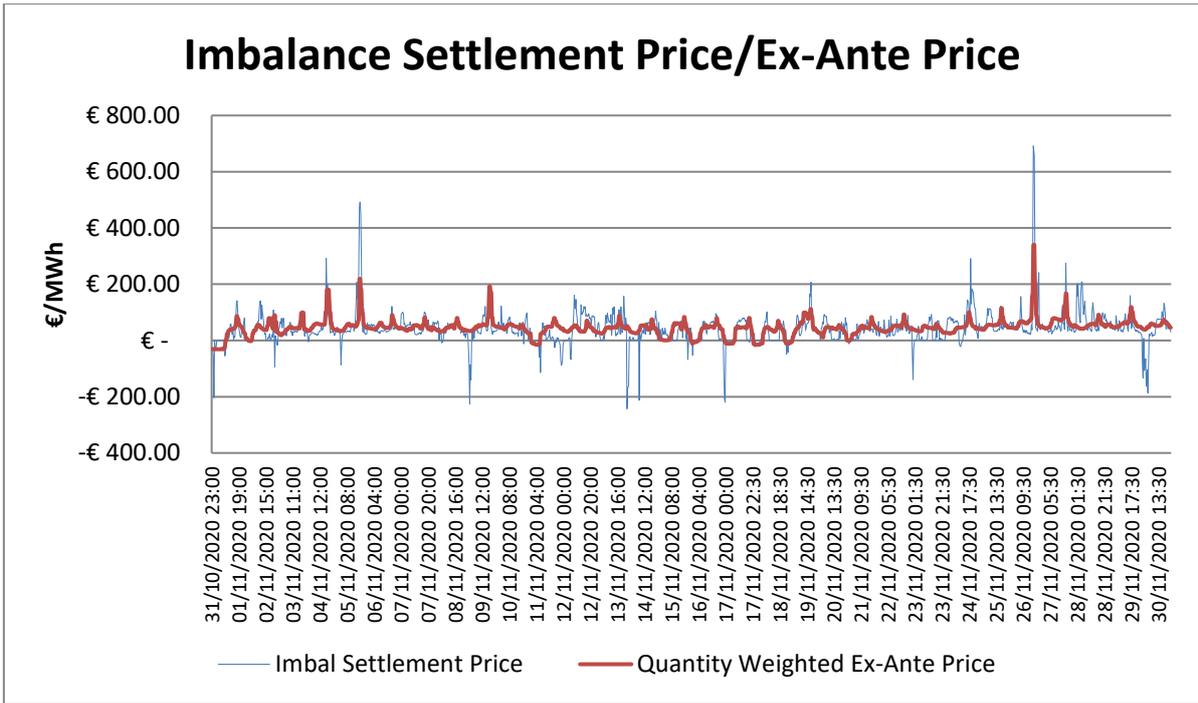


Figure 4 – Imbalance Settlement Price & Quantity Weighted Ex-Ante Price Comparison

Figure 5 below highlights the monthly Highest, Lowest and Average half-hour Imbalance Prices for the period November 2020.

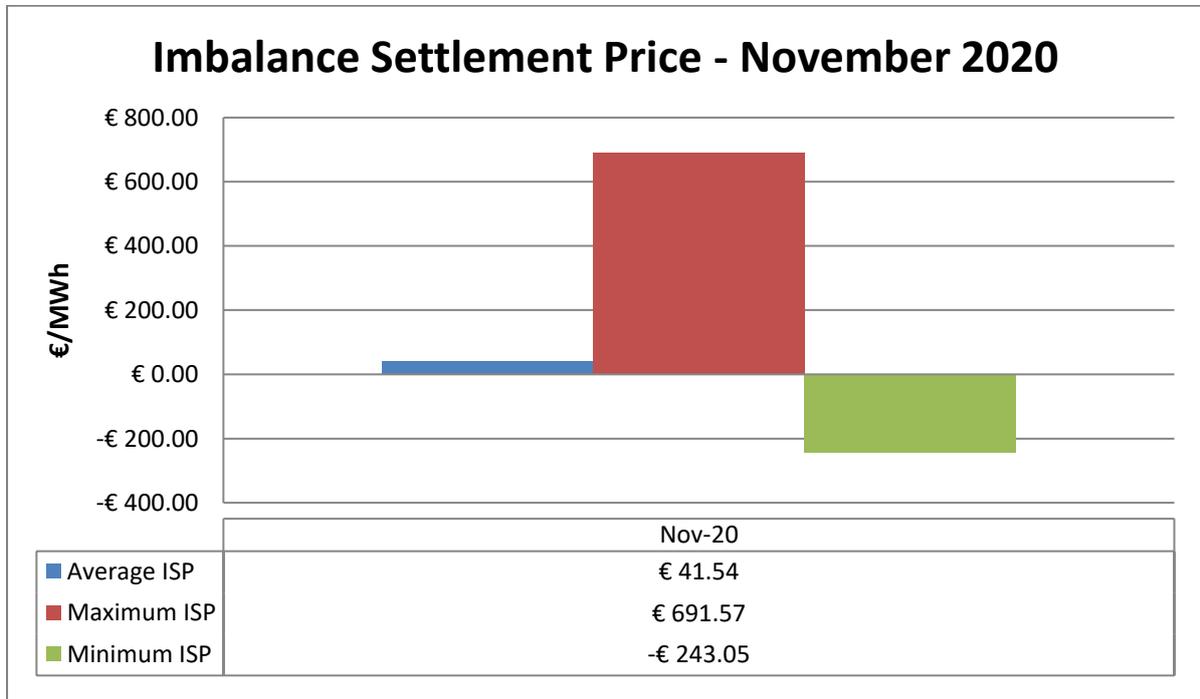


Figure 5 – Highest, Lowest and Average Imbalance Prices

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**.

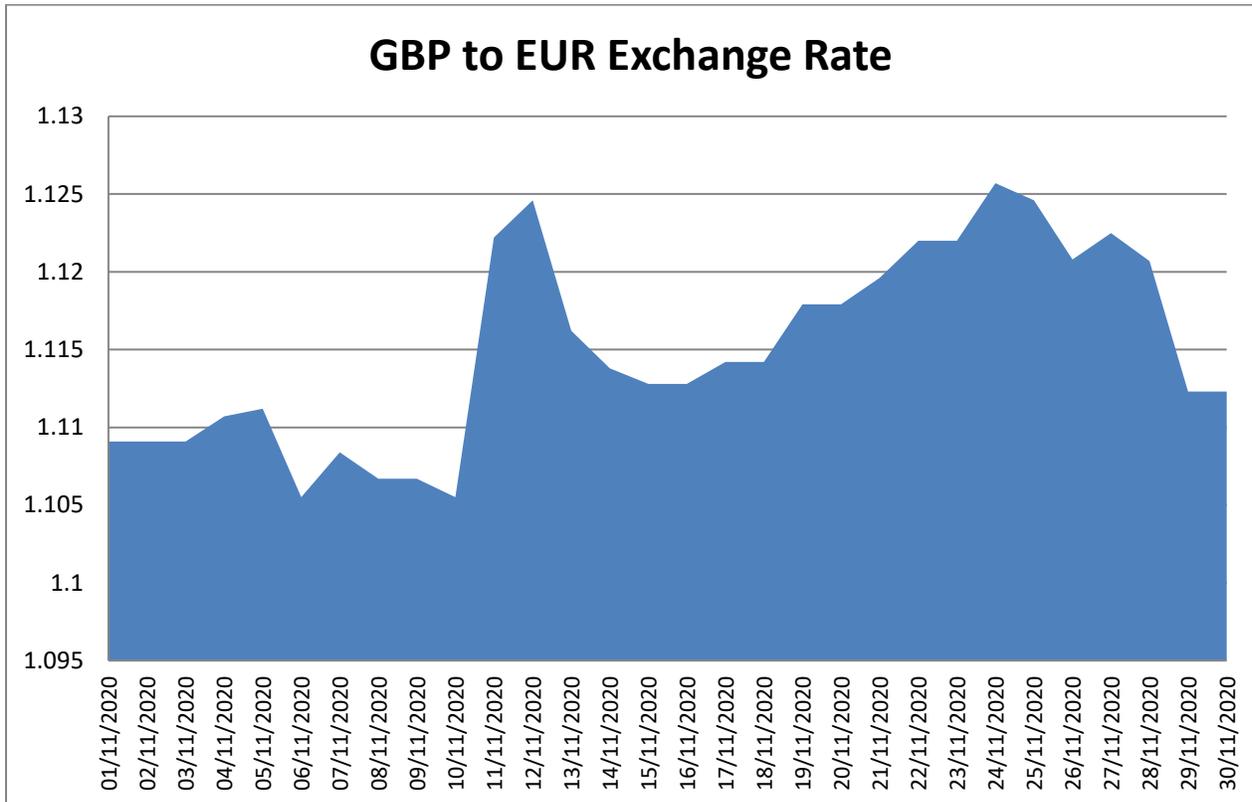


Figure 6 – GBP to EUR Exchange Rate

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 72 Market Back Up Prices and 21 Day-Ahead Market Back Up Price published as a result of 428 missed Imbalance Prices¹.

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 November 2020 and 30th November 2020. Table 14 shows the dates and number of Modifications Committee Meetings and Working Groups that took place over this period.

Meeting	Date	Location
No meetings scheduled for November 2020		

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	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	0
RA Decision Rejected	0
RA Direction	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.

8 Central Systems

8.1 System Releases

There were two System Releases deployed during the month of November as follows:

- Release “F” was successfully deployed to schedule on the evening of November 3rd. This release contained 4 Change Requests, all of which were Approved Modification Proposals, and fixes to address 94 high-priority defects.
- Release “F.2” was successfully deployed on the evening of November 17th. This release contained a small number of high-priority defect fixes which needed to be addressed ahead of the next scheduled release (Release “G”)

8.2 System Availability

The table below gives the system availability values for the month of November 2020.

System / Application	Annual Availability %
Settlements (CSB)	100%
MI	100%
MA	100%
Reporting (reports publication in the MPI)	100%
Website (availability)	100%
Average System Availability	100.00%

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 November 2020.

There was no GCF during the month of November 2020.

There were no GSFs during the month of November 2020.

9 Appendix A: Trading and Settlement Code Breaches

Meter Data Provider Breaches

Dps Date Identified	Run Type	Issue	MDP Provider	Issue Type	Description	T&SC Breac	Status
02/11/2020	D+1	Timing	SONI	File submission of ACTA data	Delay of 33 mins	Minor	Closed
02/11/2020	D+1	Timing	SONI	File submission of DI data	Delay of 35 mins	Minor	Closed
05/11/2020	D+4	Timing	SONI	File submission of DI data	Delay of 9 mins	Minor	Closed
08/11/2020	D+1	Timing	SONI	File submission of DI data	Delay of 10 mins	Minor	Closed
12/11/2020	D+4	Timing	SONI	File submission of DI data	Delay of 13 mins	Minor	Closed
15/11/2020	D+1	Timing	SONI	File submission of DI data	Delay of 15 mins	Minor	Closed
17/11/2020	D+1	Timing	MRSO	File submission of NPEG data	Delay of 2hrs 49mins	Minor	Closed
17/11/2020	D+1	Timing	MRSO	File submission of NPEG data	Delay of 2hrs 50mins	Minor	Closed

Table 17 - Meter Data Provider Breaches

Market Participant Breaches

PT name	Invoiced period	Market	Default issued due to	Default letter issued	T & SC Breach	Status
Glanaruddery Energy Supply Limited	RS_18//072020	BMCRM	Timing	Yes	Major	Closed
Energi Danmark A/S	WK_43_2020	BMCRM	Timing	Yes	Major	Closed
Fuinneamh Gaoithe Teoranta	RS_31102019	MO	Timing	Yes	Major	Closed
iPower Solutions Limited	RS_31102019	MO	Timing	Yes	Major	Closed
3T Power Limited	RS_31102019	MO	Timing	Yes	Major	Closed
Arden Energy Limited	RS_31072020	BMCRM	Timing	Yes	Major	Closed
Arden Energy Limited	WK_45_2020	BMCRM	Timing	Yes	Major	Closed
IBERDROLA IRELAND LIMITED	WK_45_2020	BMCRM	Timing	Yes	Major	Closed

Table 18 - Clearing Default Notices

Market Operator Breaches

Target End Date	Published	Publication Time	Issues Encountered
12/11/2020	No	No Credit IT Error	Market Message issued

Table 19 - Credit Risk Management

Ops Date Identified	Periods affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
01st	1	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 processes running in parallel. Multiple processing running in advance of Release F.	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
2nd	1	Indicative	Timing	SEMO	Settlements Data processing timelines	Indicative runs were published after due date 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. Multiple processing running in advance of Release F.	Scheduling of competing settlement processes to be monitored and adjusted as required.	Minor	Closed
3rd,4th,5th,6th,7th,8th,9th	7	Indicative	Timing	SEMO	KIR #196,885	Calculations delay following Release F. Indicative runs were published after due date.	Following Release F, a calculations defect occurred preventing system processing.	Fix provided and tested. Catchup processing commenced.	Minor	Closed
17th	1	Indicative	Timing	SEMO	Late MDP data	Indicative runs were published late after target day due to a delay with SONI metering data.	SONI metering data provided late.	Data received and backlog worked through.	Minor	Closed
24th,25th, 26th,27th. 28th,29th, 30th	7	Indicative	Timing	SEMO	KIR#199,930	Instruction Profiler had failed for the indicative of the 24/11 preventing all other runs from being processed. Indicative runs were published after due date.	Can cause delays to daily Indicative settlement publication timelines.	Fix provided and tested Catchup processing commenced.	Minor	Closed

Table 20 – Delays to Indicative Settlement

Ops Date Identified	Periods affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
3rd,4th	2	Initial	Timing	Semo	KIR #196,885	Calculations delay following Release F. Initial runs were published after due date.	Following Release F, a calculations defect occurred preventing system processing.	Fix provided and tested. Catchup processing commenced.	Minor	Closed
19th,20th, 21st,22nd, 23rd,24th,25th	7	Initial	Timing	Semo	KIR#199,930	Instruction Profiler had failed for the indicative of the 24/11 preventing all other runs from being processed. Initial runs were published after due date.	Can cause delays to daily Indicative settlement publication timelines.	Fix provided and tested Catchup processing commenced.	Minor	Closed
26th	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
29th	1	Initial	Timing	Semo	KIR#201,143	Instruction Profiler	CIM load prevented IP from processing.	Processing continued and initial published on due date.	Minor	Closed

Table 21 – Delays to Initial Settlement

Ops Date Identified	Documents affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
27/11/2020	1	Settlement Document	Timing	SEMO	KIR #199,930	Instruction Profiler for settlement date 24/11/2020 failed which prevented system processing.	Can cause delays to settlement publication timelines.	A hotfix was provided and processing continued on the 01.12.	Major	Closed

Table 22 - Delays to Settlement Documents

10 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 – 31 st	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
1 st – 30 th	Settlements	Indicative	30	10	9	11
1 st – 30 th	Settlements	Initial	30	17	6	7
Dec 2 nd 2018 – Dec 29 th 2018	M+4 Resettlement	Weekly	28	28	-	-
1 st – 30 th	Credit Reports	Daily	66	66	-	-
1 st – 30 th	Payments In	Weekly	4	4	-	-
1 st – 30 th	Payments Out	Weekly	4	4	-	-
Aug 25 th – Sep 21 st	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
1 st – 31 st	Settlements	Indicative	31	12	-	19
1 st – 31 st	Settlements	Initial	31	18	4	9
6 th Jan 2019 – 2 nd Feb 2019	M+4 Resettlement	Weekly	28	28	-	-
1 st – 31 st	Credit Reports	Daily	66	66	-	-
1 st – 31 st	Payments In	Weekly	4	3	-	-
1 st – 31 st	Payments Out	Weekly	4	4	-	-
Sep 22 nd – Oct 19 th	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
1 st – 30 th	Settlements	Indicative	30	6	5	19
1 st – 30 th	Settlements	Initial	30	25	3	2
3 rd Feb 2019 – 9 th Mar	M+4 Resettlement	Weekly	28	28	-	-
30 th Sep – 19 th Oct 2018	M+13 Resettlement	Weekly	28	28	-	-
1 st – 30 th	Credit Reports	Daily	66	66	-	-
1 st – 30 th	Payments In	Weekly	4	4	-	-
1 st – 30 th	Payments Out	Weekly	4	4	-	-
Oct 20 th – Nov 23 rd	Settlement Documents	Weekly	4	4	-	-

Figure 11 - Settlement Information November 2019

Settlements : Dec 2019 data 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	20	2	9
1 st – 31 st	Settlements	Initial	31	27	3	1
10 th Mar – 30 th Mar	M+4 Resettlement	Weekly	21	21	-	-
21 st Oct 2018 – 11 th Nov 2018	M+13 Resettlement	Weekly	21	14	-	1
1 st – 31 st	Credit Reports	Daily	46	45	-	1
1 st – 31 st	Payments In	Weekly	4	4	-	-
1 st – 31 st	Payments Out	Weekly	4	4	-	-
Nov 24 th – Dec 14 th	Settlement Documents	Weekly	3	3	-	-

Figure 12 - Settlement Information December 2019

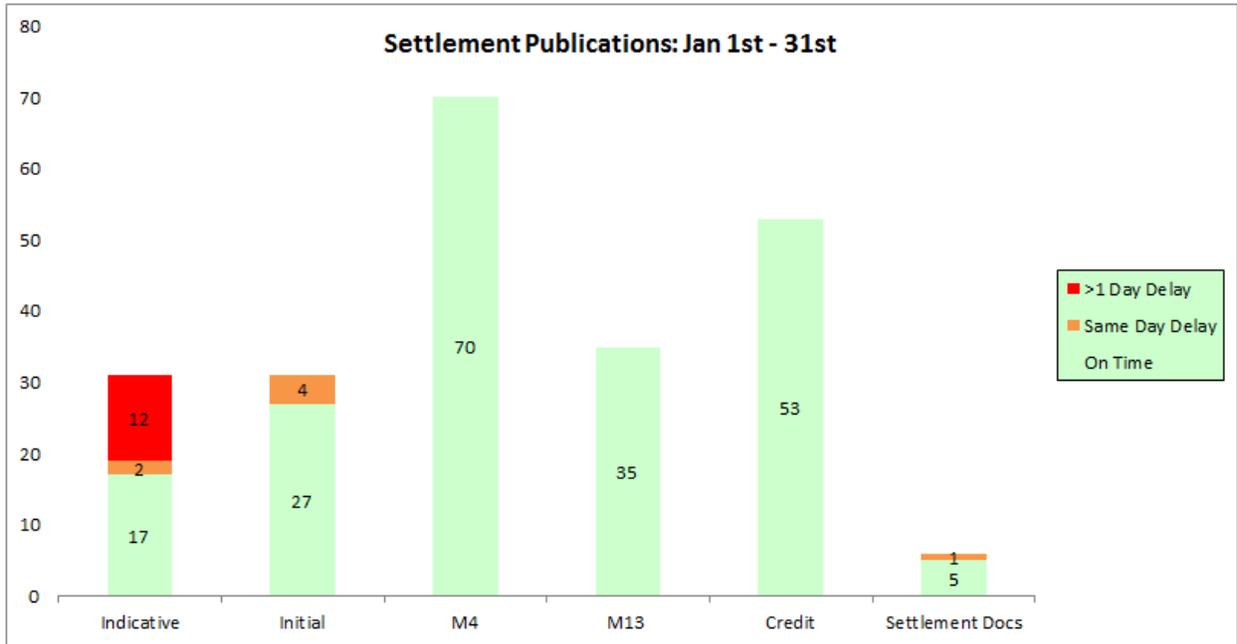


Figure 13 - Settlement Information January 2020*

**The above graph in Figure 13 for Feb 2020 data represents similar data content to that outlined in tabular format for Figures 7-12*

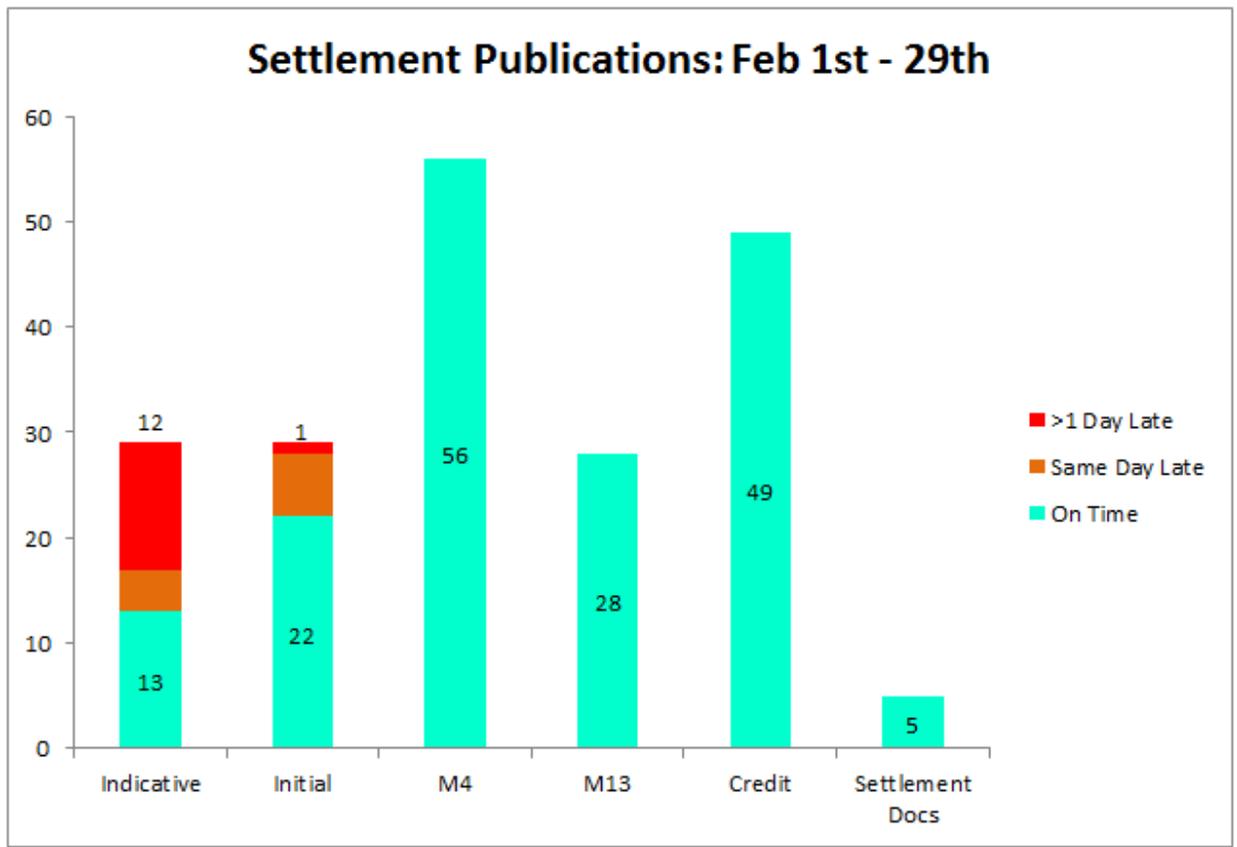


Figure 14 - Settlement Information February 2020

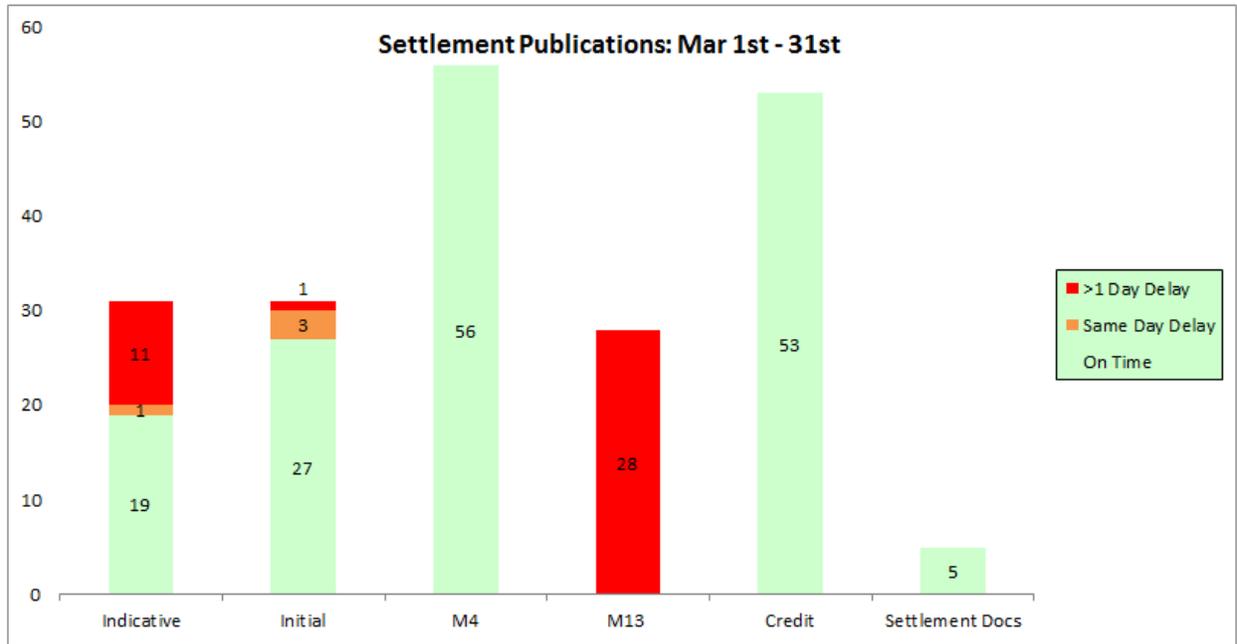


Figure 15 - Settlement Information March 2020

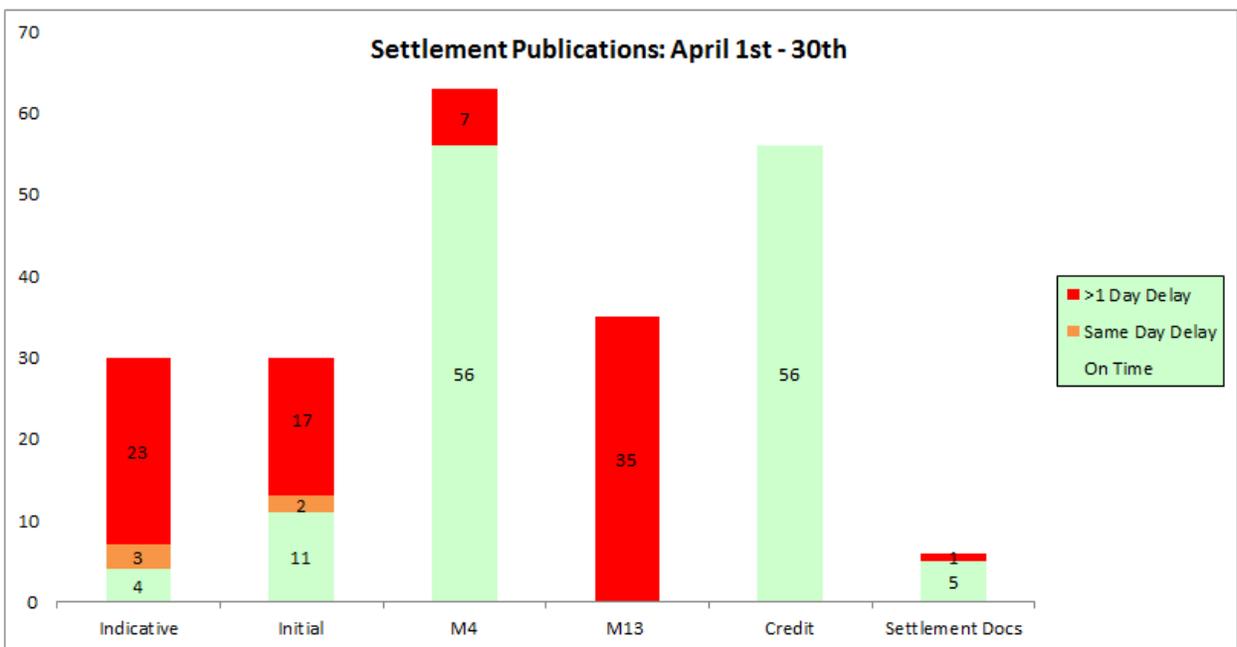


Figure 16 – Settlement Information April 2020

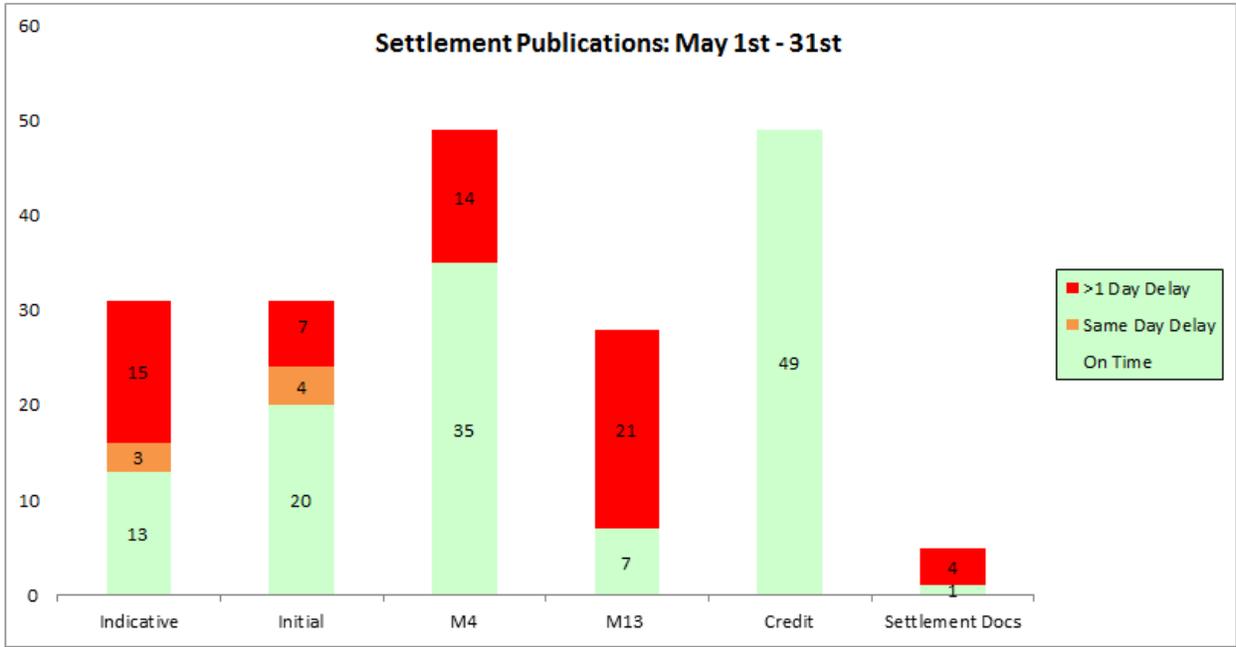


Figure 17 – Settlement Information May 2020

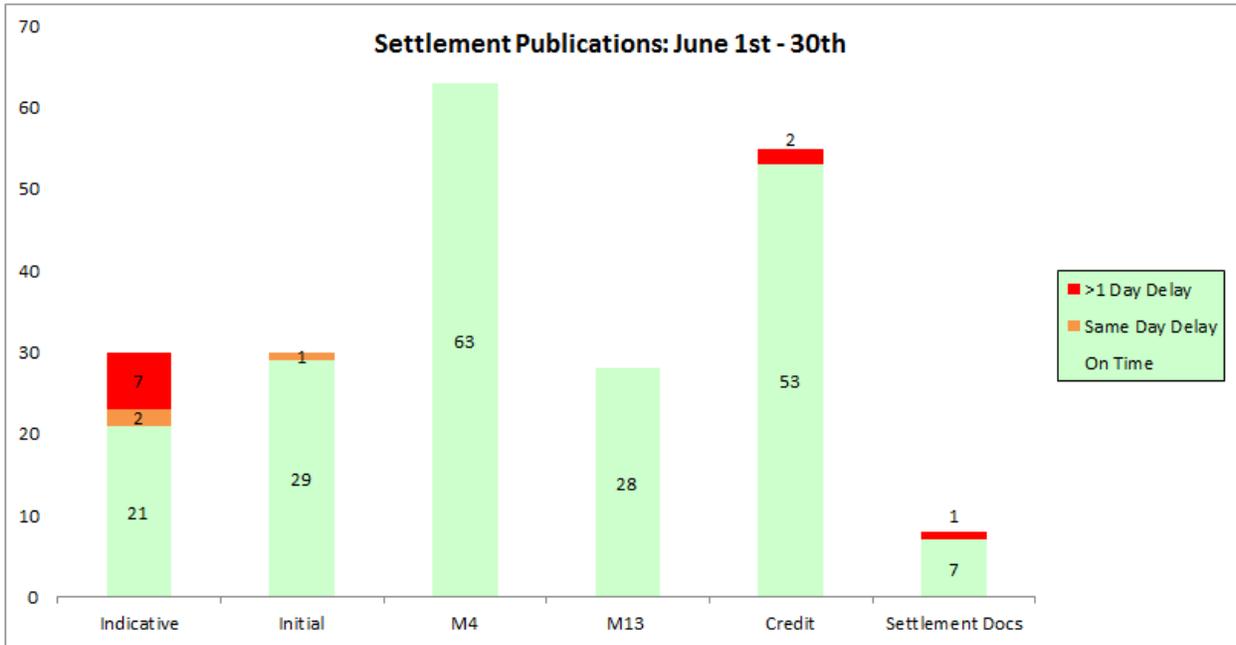


Figure 18 – Settlement Information June 2020

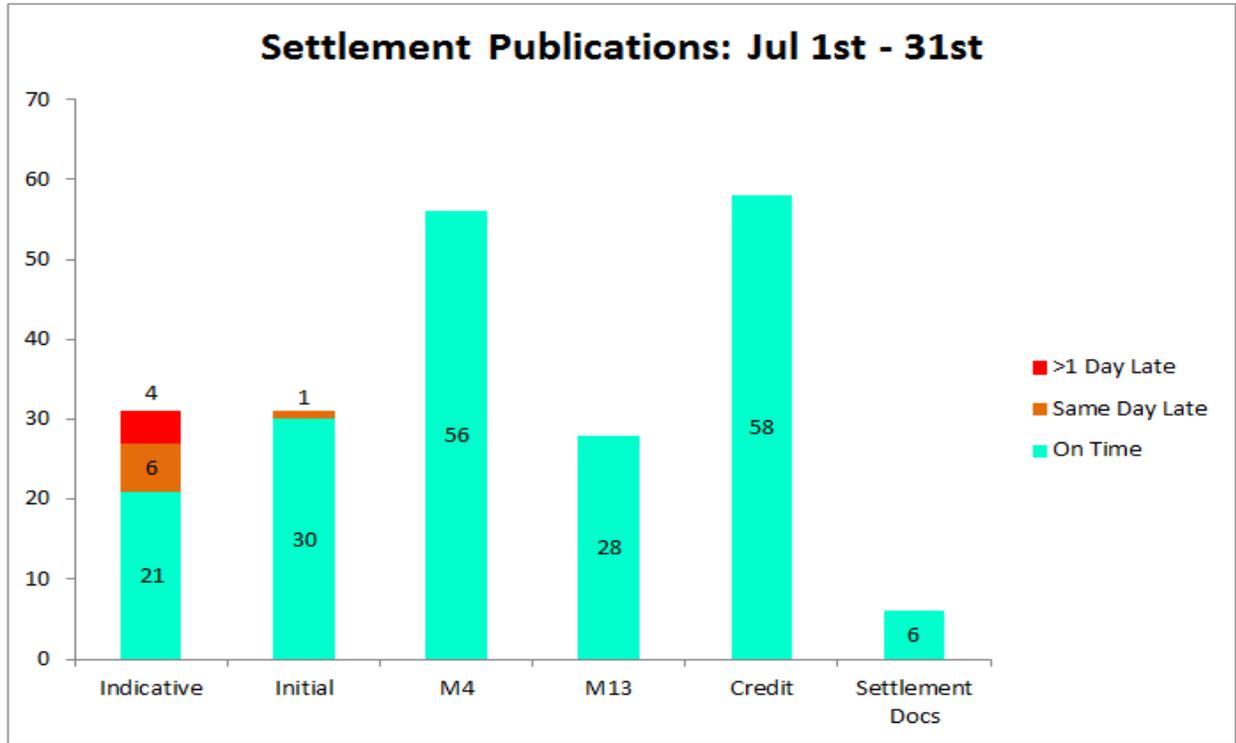


Figure 19 – Settlement Information July 2020

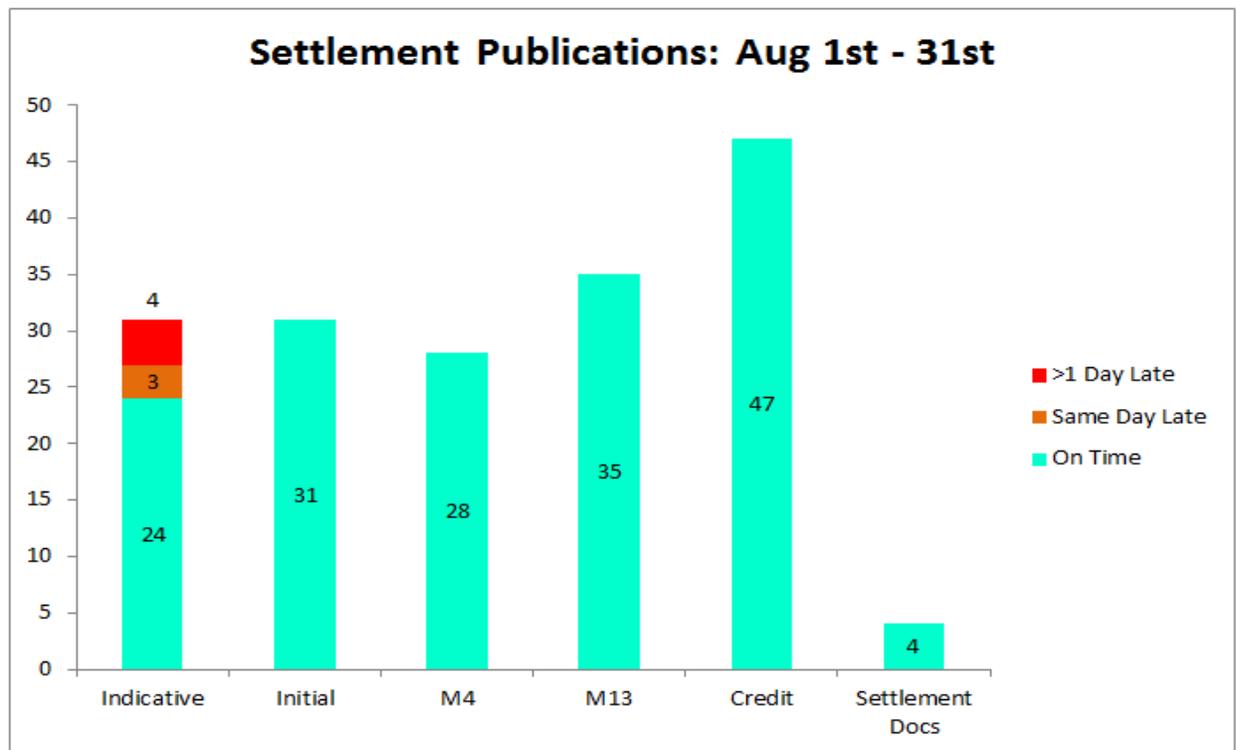


Figure 20 – Settlement Information August 2020

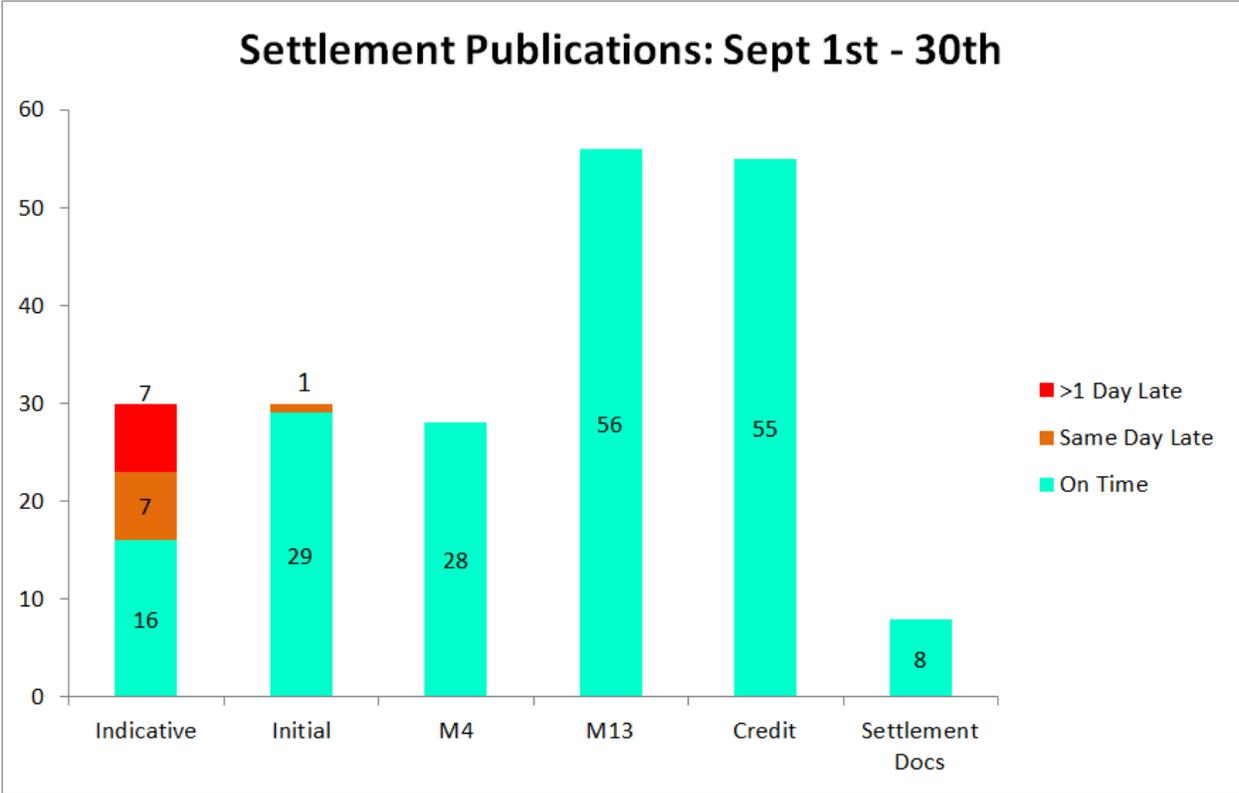


Figure 21 – Settlement Information September 2020

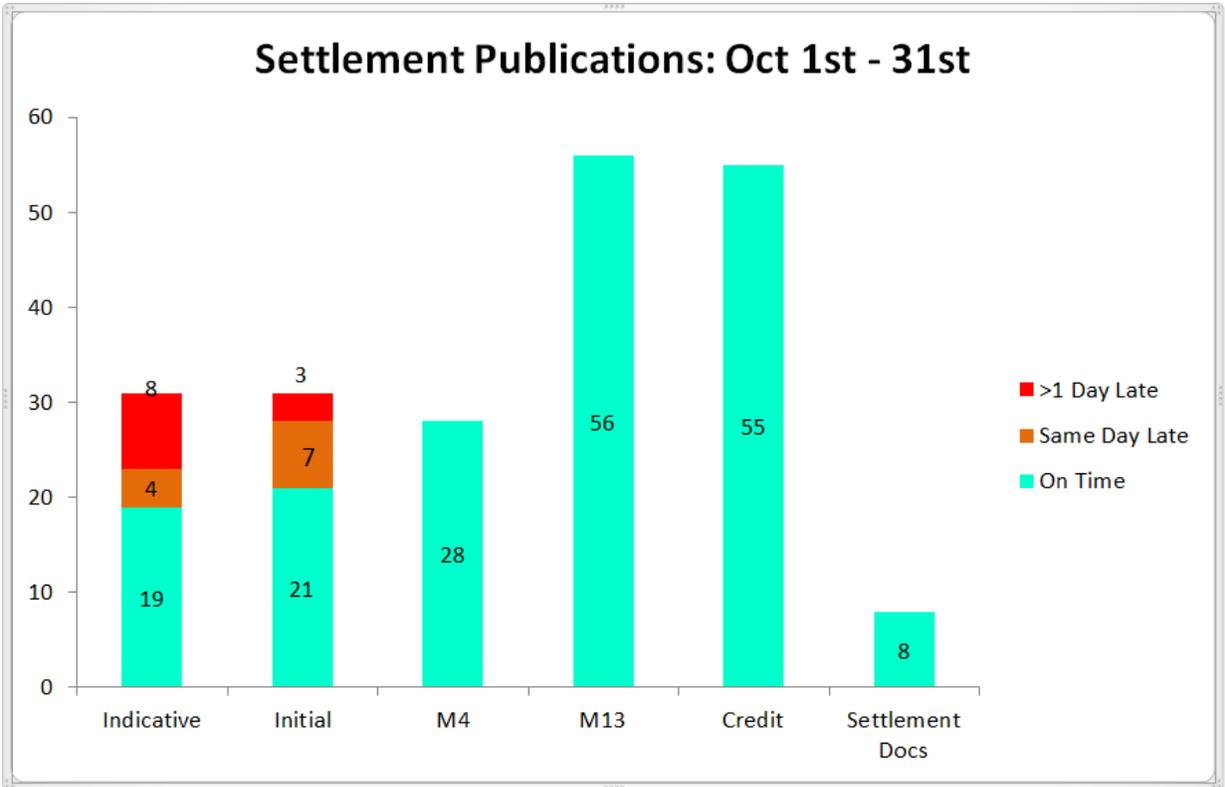


Figure 22 - Settlement Information October 2020

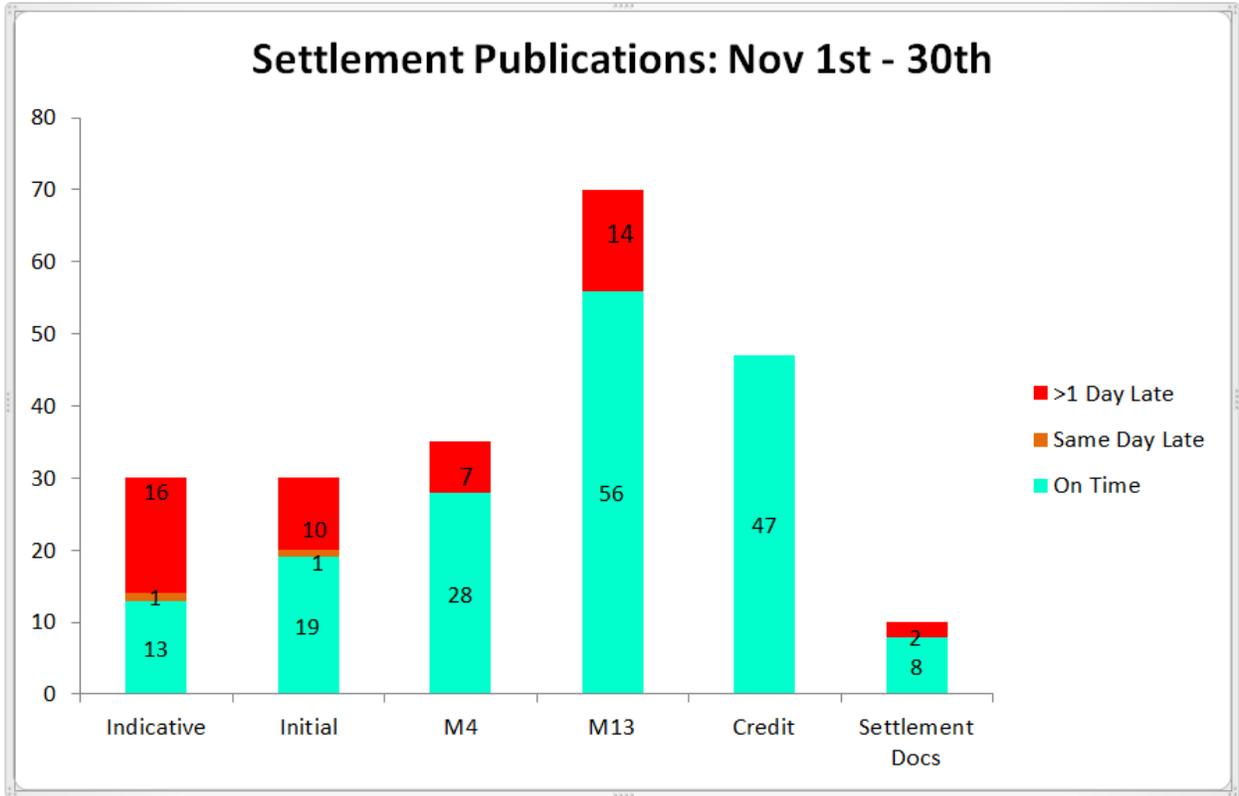


Figure 23 - Settlement Information November 2020

11 Appendix C: Settlement Publication Timings

Indicative Settlement

Operational Date	Market	Run	Period End Date	Target Date & Time	Publish Date & Time
02/11/2020	BALIMB	Indicative	01/11/2020	02/11/2020 17:00:0	02/11/2020 17:21:34
03/11/2020	BALIMB	Indicative	02/11/2020	03/11/2020 17:00:0	04/11/2020 15:38:09
04/11/2020	BALIMB	Indicative	03/11/2020	04/11/2020 17:00:0	11/11/2020 13:23:42
05/11/2020	BALIMB	Indicative	04/11/2020	05/11/2020 17:00:0	11/11/2020 13:45:00
06/11/2020	BALIMB	Indicative	05/11/2020	06/11/2020 17:00:0	11/11/2020 13:45:07
09/11/2020	BALIMB	Indicative	06/11/2020	09/11/2020 17:00:0	11/11/2020 13:45:13
09/11/2020	BALIMB	Indicative	07/11/2020	09/11/2020 17:00:0	11/11/2020 13:45:13
09/11/2020	BALIMB	Indicative	08/11/2020	09/11/2020 17:00:0	11/11/2020 13:45:18
10/11/2020	BALIMB	Indicative	09/11/2020	10/11/2020 17:00:0	11/11/2020 13:45:19
11/11/2020	BALIMB	Indicative	10/11/2020	11/11/2020 17:00:0	11/11/2020 16:49:23
12/11/2020	BALIMB	Indicative	11/11/2020	12/11/2020 17:00:0	12/11/2020 16:33:00
13/11/2020	BALIMB	Indicative	12/11/2020	13/11/2020 17:00:0	13/11/2020 16:31:04
16/11/2020	BALIMB	Indicative	13/11/2020	16/11/2020 17:00:0	16/11/2020 16:06:35
16/11/2020	BALIMB	Indicative	14/11/2020	16/11/2020 17:00:0	16/11/2020 16:22:23
16/11/2020	BALIMB	Indicative	15/11/2020	16/11/2020 17:00:0	16/11/2020 16:46:08
17/11/2020	BALIMB	Indicative	16/11/2020	17/11/2020 17:00:0	17/11/2020 16:35:25
18/11/2020	BALIMB	Indicative	17/11/2020	18/11/2020 17:00:0	19/11/2020 12:29:14
19/11/2020	BALIMB	Indicative	18/11/2020	19/11/2020 17:00:0	19/11/2020 16:44:03
20/11/2020	BALIMB	Indicative	19/11/2020	20/11/2020 17:00:0	20/11/2020 16:28:56
23/11/2020	BALIMB	Indicative	20/11/2020	23/11/2020 17:00:0	23/11/2020 15:26:23
23/11/2020	BALIMB	Indicative	21/11/2020	23/11/2020 17:00:0	23/11/2020 15:44:58
23/11/2020	BALIMB	Indicative	22/11/2020	23/11/2020 17:00:0	23/11/2020 16:46:39
24/11/2020	BALIMB	Indicative	23/11/2020	24/11/2020 17:00:0	24/11/2020 16:15:35
25/11/2020	BALIMB	Indicative	24/11/2020	25/11/2020 17:00:0	02/12/2020 10:50:05
26/11/2020	BALIMB	Indicative	25/11/2020	26/11/2020 17:00:0	02/12/2020 11:34:42
27/11/2020	BALIMB	Indicative	26/11/2020	27/11/2020 17:00:0	03/12/2020 09:01:49
30/11/2020	BALIMB	Indicative	27/11/2020	30/11/2020 17:00:0	03/12/2020 09:15:05
30/11/2020	BALIMB	Indicative	28/11/2020	30/11/2020 17:00:0	03/12/2020 09:21:05
30/11/2020	BALIMB	Indicative	29/11/2020	30/11/2020 17:00:0	03/12/2020 09:26:32
01/12/2020	BALIMB	Indicative	30/11/2020	01/12/2020 17:00:0	03/12/2020 09:31:02

Table 23 – Indicative Settlement Publication times

Initial Settlement

Operational Date	Market	Run	Period End Date	Target Date & Time	Publish Date & Time
06/11/2020	BALIMB	Initial	01/11/2020	06/11/2020 12:00:0	06/11/2020 11:06
09/11/2020	BALIMB	Initial	02/11/2020	09/11/2020 12:00:0	09/11/2020 11:38
10/11/2020	BALIMB	Initial	03/11/2020	10/11/2020 12:00:0	11/11/2020 16:55
11/11/2020	BALIMB	Initial	04/11/2020	11/11/2020 12:00:0	12/11/2020 09:25
12/11/2020	BALIMB	Initial	05/11/2020	12/11/2020 12:00:0	12/11/2020 11:56
13/11/2020	BALIMB	Initial	06/11/2020	13/11/2020 12:00:0	12/11/2020 15:54
13/11/2020	BALIMB	Initial	07/11/2020	13/11/2020 12:00:0	12/11/2020 16:06
13/11/2020	BALIMB	Initial	08/11/2020	13/11/2020 12:00:0	13/11/2020 11:08
16/11/2020	BALIMB	Initial	09/11/2020	16/11/2020 12:00:0	16/11/2020 11:35
17/11/2020	BALIMB	Initial	10/11/2020	17/11/2020 12:00:0	17/11/2020 10:56
18/11/2020	BALIMB	Initial	11/11/2020	18/11/2020 12:00:0	18/11/2020 11:01
19/11/2020	BALIMB	Initial	12/11/2020	19/11/2020 12:00:0	19/11/2020 11:14
20/11/2020	BALIMB	Initial	13/11/2020	20/11/2020 12:00:0	19/11/2020 17:18
20/11/2020	BALIMB	Initial	14/11/2020	20/11/2020 12:00:0	20/11/2020 09:56
20/11/2020	BALIMB	Initial	15/11/2020	20/11/2020 12:00:0	20/11/2020 11:09
23/11/2020	BALIMB	Initial	16/11/2020	23/11/2020 12:00:0	23/11/2020 11:30
24/11/2020	BALIMB	Initial	17/11/2020	24/11/2020 12:00:0	24/11/2020 11:10
25/11/2020	BALIMB	Initial	18/11/2020	25/11/2020 12:00:0	25/11/2020 11:11
26/11/2020	BALIMB	Initial	19/11/2020	26/11/2020 12:00:0	02/12/2020 09:30
27/11/2020	BALIMB	Initial	20/11/2020	27/11/2020 12:00:0	02/12/2020 09:30
27/11/2020	BALIMB	Initial	21/11/2020	27/11/2020 12:00:0	02/12/2020 09:30
27/11/2020	BALIMB	Initial	22/11/2020	27/11/2020 12:00:0	02/12/2020 13:59
30/11/2020	BALIMB	Initial	23/11/2020	30/11/2020 12:00:0	02/12/2020 15:25
01/12/2020	BALIMB	Initial	24/11/2020	01/12/2020 12:00:0	03/12/2020 14:07
02/12/2020	BALIMB	Initial	25/11/2020	02/12/2020 12:00:0	03/12/2020 14:29
03/12/2020	BALIMB	Initial	26/11/2020	03/12/2020 12:00:0	04/12/2020 09:34
04/12/2020	BALIMB	Initial	27/11/2020	04/12/2020 12:00:0	04/12/2020 10:37
04/12/2020	BALIMB	Initial	28/11/2020	04/12/2020 12:00:0	04/12/2020 10:42
04/12/2020	BALIMB	Initial	29/11/2020	04/12/2020 12:00:0	04/12/2020 15:25
07/12/2020	BALIMB	Initial	30/11/2020	07/12/2020 12:00:0	07/12/2020 11:23

Table 24 – Initial Settlement Publication times

12 Appendix D: List of Queries by Type

Date Sent	Due Date	Query Ref No.	Charge Component
03/11/2020	01/12/2020	#3104	CFC
03/11/2020	01/12/2020	#3105	CFC
05/11/2020	17/12/2020	#3120	CFC
09/11/2020	07/12/2020	#3143	CUNIMB
10/11/2020	22/12/2020	#3160	CFC
13/11/2020	11/12/2020	#3180	CFC
18/11/2020	16/12/2020	#3206	CUNIMB

Table 25 - Upheld Queries

Date Sent	Due Date	Query Ref No.	Charge Component
04/11/2020	16/12/2020	#3112	CPREMIUM
10/11/2020	22/12/2020	#3161	CFC
10/11/2020	22/12/2020	#3162	CUNIMB
13/11/2020	29/12/2020	#3177	CUNIMB
18/11/2020	16/12/2020	#3203	CIMB
20/11/2020	18/12/2020	#3225	CDISCOUNT
20/11/2020	18/12/2020	#3226	CDISCOUNT
24/11/2020	22/12/2020	#3246	CFC
24/11/2020	22/12/2020	#3247	CUNIMB
25/11/2020	23/12/2020	#3251	CIMB

Table 26 - Unresolved Formal Queries