



Market Operator's Performance Report

December 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 December 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 December 2020:

- There were 13 late publications of Indicative and Initial Settlement runs as per the Trading and Settlement Code timelines
- 5 out of 5 Settlement Documents issued on time
- There were 3 payment defaults by Participants
- No new parties joined the market and there were 10 new units registered in the market
- There was 0 Credit defaults by Participants as per the Trading and Settlement code timelines
- 147 general queries were received, and 156 general queries were resolved, with 37 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

No new Parties went effective in the Market between 01 December and 31 December 2020.

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

Party Name	Party ID	Participant ID	Unit ID	Effective date
Brookfield Renewable Supply 2 Limited	PY_000135	PT_400157	AU_400129	02/12/2020
Brookfield Renewable Supply 2 Limited	PY_000135	PT_400157	AU_400130	02/12/2020
Cobblestone Energy Limited	PY_034091	PT_402582	AU_400127	02/12/2020
Power NI	PY_000035	PT_500028	GU_503910	09/12/2020
Glanaruddery Energy Supply Limited	PY_000164	PT_400202	SU_400359	16/12/2020
Energy Trading Ireland Limited	PY_000113	PT_400111	SU_400357	16/12/2020
Glanaruddery Energy Supply Limited	PY_000164	PT_400202	GU_404490	16/12/2020
Glanaruddery Energy Supply Limited	PY_000164	PT_400202	GU_404500	16/12/2020
Next Kraftwerke GmbH	PY_034068	PT_502511	AU_500121	16/12/2020
Energy Trading Ireland Limited	PY_000113	PT_400111	DSU_403620	16/12/2020

Table 1 – Registrations December 2020

The below units de-registered from the Market between 01 December and 31 December 2020:

Party Name	Party ID	Participant ID	Unit ID	Effective date
Enegia Customer Solutions NI Limited	PY_000042	PT_500028	GU_500211	09/12/2020

Glanaruddery Energy Supply Limited	PY_000164	PT_400202	GU_402230	16/12/2020
Glanaruddery Energy Supply Limited	PY_000164	PT_400202	GU_402240	16/12/2020
Glanaruddery Energy Supply Limited	PY_000164	PT_400202	SU_400225	16/12/2020

Table 2 – De-Registrations December 2020

1.1 Termination of Participants

There were no terminating parties in December 2020.

1.2 Suspension of Participants

No Suspension Orders were issued by the Market Operator in December 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			15
Market Participants	Clearing	3	-
	Credit Risk Management	0	-
Market Operator	Balancing Market Settlement	0	13
	Clearing	-	-
	Credit Risk Management	3	-
	Other	-	-
Total		6	28

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 01/12/2020 – 31/12/2020		
	Indicative	Initial
On Time	21	28
Same Day Late	0	1
> 1 Day Late	10	2
Total runs	31	31

Table 4 - Settlement Runs completed 01/12/2020 - 31/12/2020

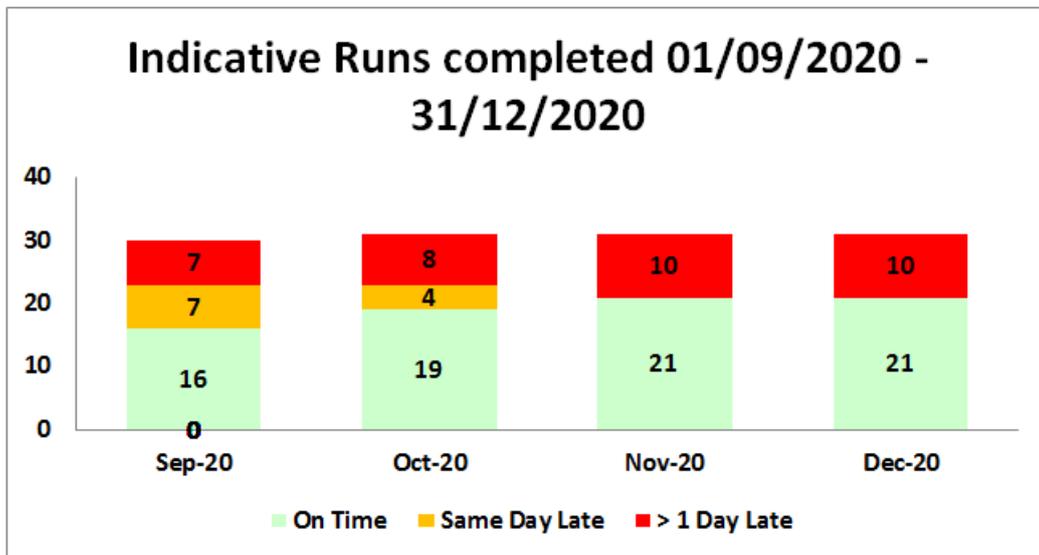


Figure 1 Indicative Settlement Runs Completed

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

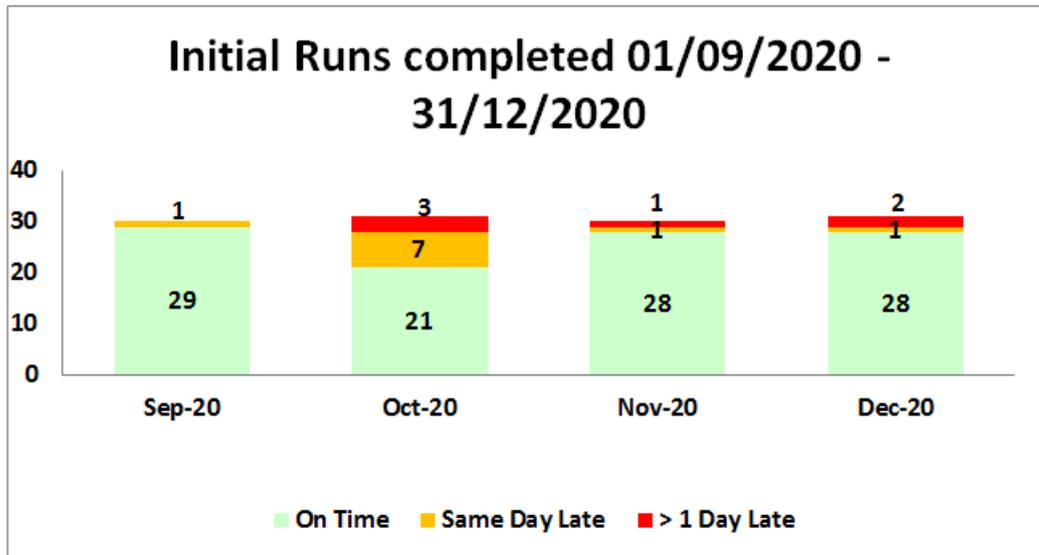


Figure 2 Initial Settlement Runs Completed

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 01/12/2020 - 31/12/2020	
	No. of Weeks
On Time	5
Same Day Late	0
> 1 Day Late	0
Total runs	5

Table 5 - Settlement Documents completed 01/12/2020 - 31/12/2020

3.3 M+4 and M+13 Resettlement

M+4 Resettlement processing occurred during 3 of the 5 settlement document runs for the month of December 2020.

M+13 Resettlement processing occurred during 3 of the 5 settlement document runs for the month of December 2020.

As per December's MOUG, it was agreed not to include M4 and M13 in settlement documents during the Christmas period.

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 2020 to 31 December 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	9,812,827
CDISCOUNT	Discount Payment	9,794,146
CIMB	Imbalance Payment or Charge	5,337,016
CFC	Fixed Cost Payment or Charge	1,690,471
CABBPO	Bid Price Only Accepted Bid Payment or Charge	32,355
CSOCDIFFP	Difference Payment Socialisation Charge	-35,905
CCA	Currency Adjustment Charge	-48,590
CTEST	Testing Charge	-57,198
CDIFFCWD	Within-day Difference Charge	-84,752
CCURL	Curtailed Payment or Charge	-122,650
CAOOPO	Offer Price Only Accepted Offer Payment or Charge	-271,332
CUNIMB	Uninstructed Imbalance Charge	-343,765
CREV	Residual Error Volume Charge	-2,991,943
CIMP	Imperfections Charge	-29,065,613
Total		-6,354,932

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	31,252,427
CCC	Fixed Market Operator Charge Supplier Units	-35,905,475
Total		-4,653,047

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	-1,636
CMOAU	Fixed Market Operator Charge Generator Units	-66,341
CVMO	Variable Market Operator Charge	-1,511,671
Total		-1,579,649

Table 8 - Market Operator Charges

4.2 Financial Changes between Initial Settlement and Subsequent Reruns

During the month of December 2020:

- M+4 Resettlement has been completed for Settlement Dates 02/08/2020 to 29/08/2020.
- M+13 Resettlement has been completed for Settlement Dates 13/10/2019 to 09/11/2019.

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	€400,944
CDISCOUNT	€77,509
CUNIMB	€20,934
CDIFFCWD	€753
CDIFFCNP	€0
CDIFFPIMB	€0
CTEST	€0
CCA	-€96
CCURL	-€566
CSOCDIFFP	-€1,299
CAOOPO	-€3,664
CREV	-€7,015
CABBPO	-€23,829
CIMP	-€66,980
CPREMIUM	-€95,745
CIMB	-€1,067,064
Total	-€766,119

Table 9 - Balancing Market Resettlement

Capacity Market Resettlement	
Component	Difference
CCC	-€118,049
CCP	€0
Total	-€118,049

Table 10 - Capacity Market Resettlement

Market Operator Charges Resettlement	
Component	Difference
CMOAU	€58,756
CVMO	-€2,499
CMOAV	€1,513
Total	€57,770

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 2020.

Received	Resolved	Open
147	156	37

Table 12 – Helpdesk Query Statistics

The average resolution time for queries in December 2020 was 7.4 working days.

Definitions

- Resolved refers to queries resolved within December 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 December 2020.
- Open refers to queries raised but not resolved as of 31st of December 2020.

5.2 Settlement Queries

There were 14 Formal Settlement queries raised in December 2020.

5 have been upheld, 2 not upheld and 7 are unresolved at this time and are currently under investigation.

Topic (upheld Queries)	Number of Queries
CEADSU	1
CIMB	2
CFC	1
CUNIMB	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 2020 can be found in **Appendix D**.

5.3 Disputes

One Dispute (a General Dispute) was raised in the month of December 2020. This Dispute has now been withdrawn by the Participant.

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 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 December was €61.28.

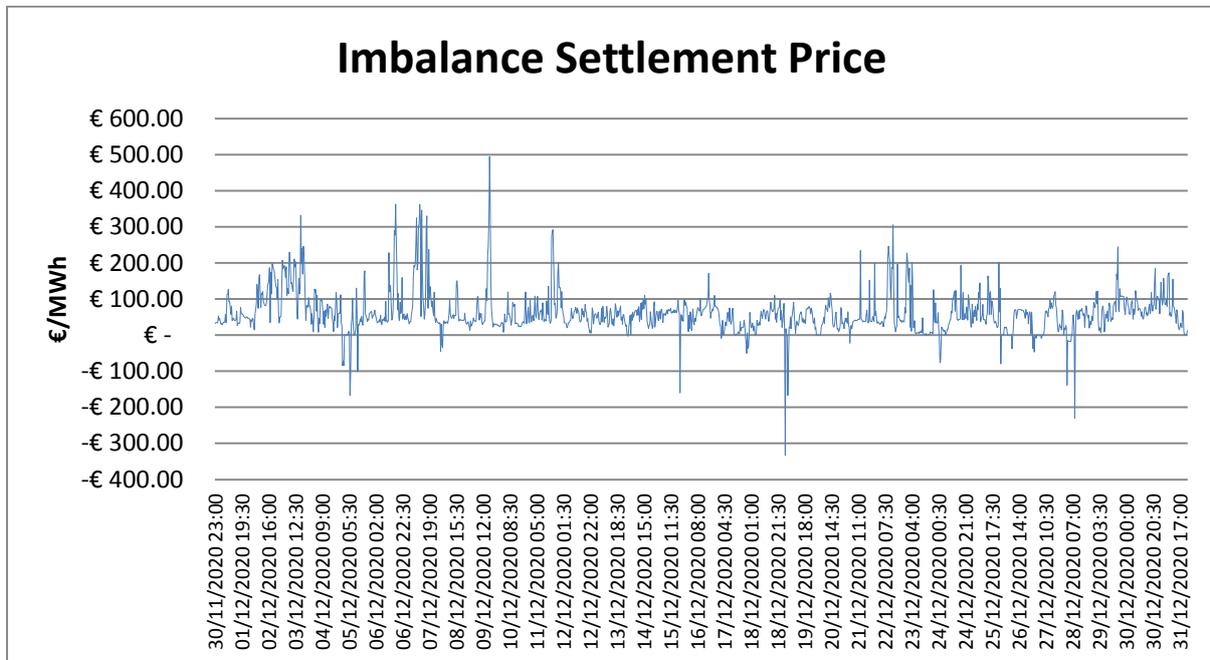


Figure 3 – Imbalance Settlement Price

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.

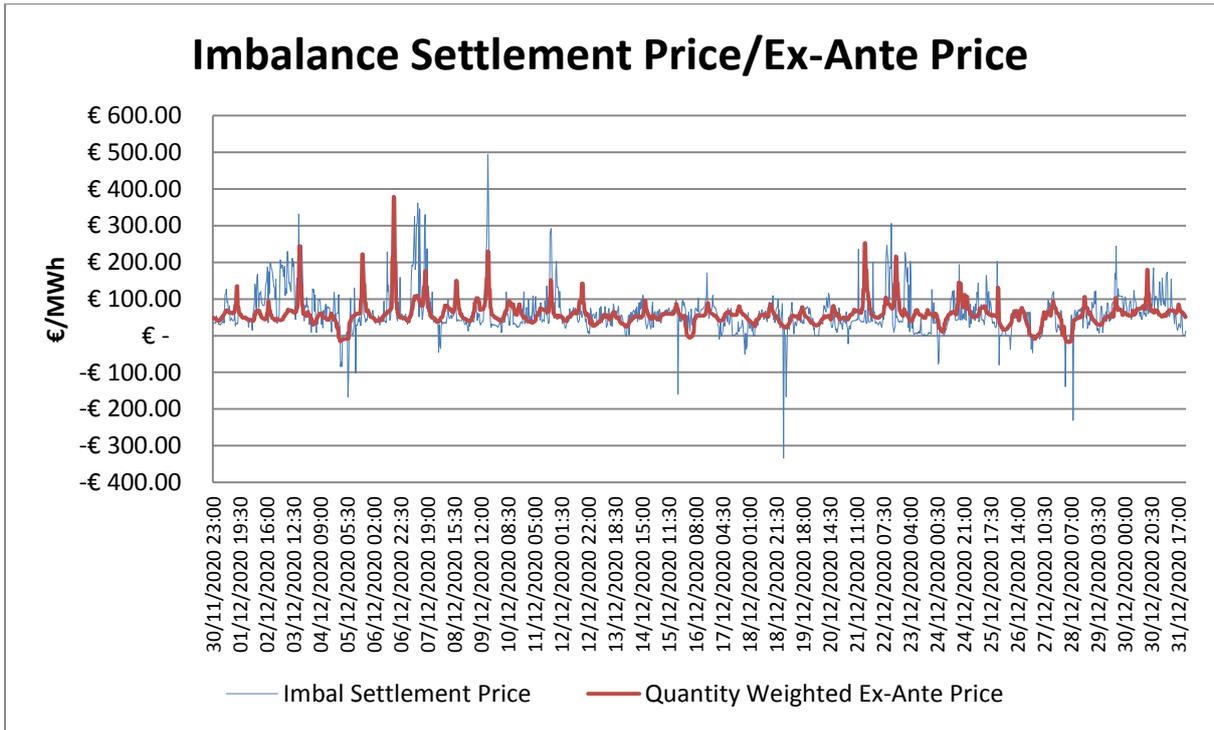


Figure 4 – Imbalance Settlement Price & Quantity Weighted Ex-Ante Price Comparison

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

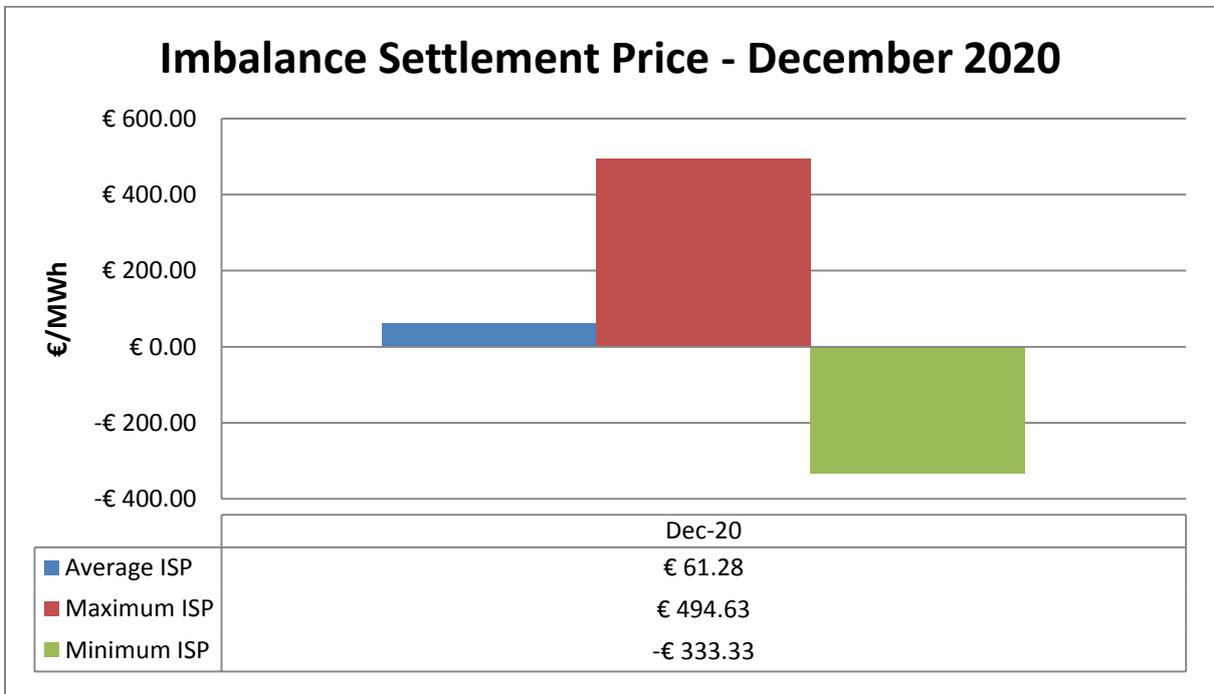


Figure 5 – Highest, Lowest and Average Imbalance Prices

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**.

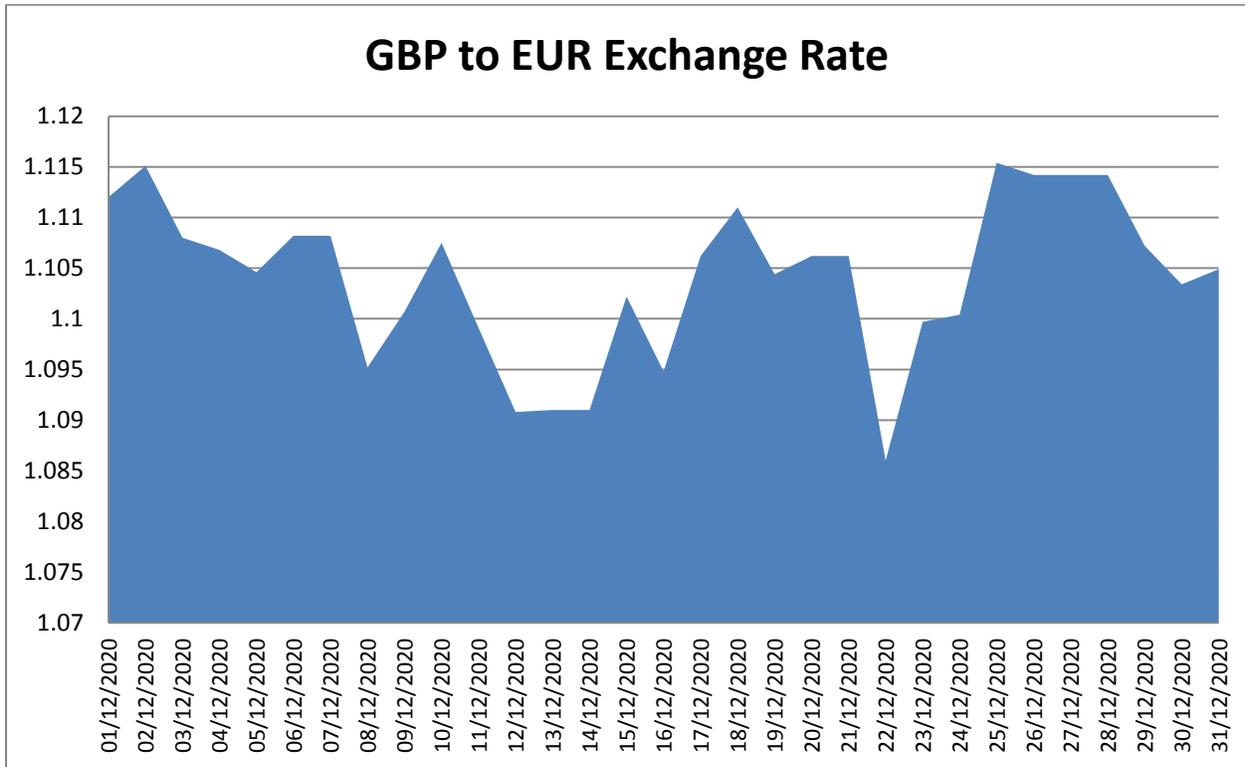


Figure 6 – GBP to EUR Exchange Rate

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 43 Market Back Up Prices published as a result of 184 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 December 2020 and 31st December 2020. Table 14 shows the dates and number of Modifications Committee Meetings and Working Groups that took place over this period.

Meeting	Date	Location
Modification Committee Meeting 102	3 rd December 2020	Conference call
Mod_13_19 Working Group 1	10 th December 2020	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	2
Alternative Versions raised	0
Withdrawn	1
Deferred	4
Extension Granted	0
Recommended for Approval	1
Recommended for Rejection	0
Further Work Required	0
RA Decision Approved	1
RA Decision Rejected	1

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 17).

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_12_20 Amendments to DRB Process

RA Decision Approved

- Mod_10_20 Rescind CCIN via email when indicative settlement is delayed and settlement team can verify meter volumes

RA Decision Rejected

- Mod_03_18 Autoproducer Credit Cover

8 Central Systems

8.1 System Releases

There were no Market System Release deployments during the month of December 2020.

8.2 System Availability

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

System / Application	Annual Availability %
Settlements (CSB)	100%
MI	100%
MA	99.99%
Reporting (reports publication in the MPI)	100%
Website (availability)	100%
Average System Availability	99.998%

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 2020.

There was no GCF during the month of December 2020.

There were no GSFs during the month of December 2020.

9 Appendix A: Trading and Settlement Code Breaches

Meter Data Provider Breaches

Ops Date Identified	Run Type	Issue	MDP Provider	Issue Type	Description	T&SC Breach	Status
03/12/2020	D+4	Timing	SONI	File submission of DI data	Delay of 2hrs and 45 mins	Minor	Closed
06/12/2020	D+1	Timing	SONI	File submission of DI data	Delay of 2hrs 45mins	Minor	Closed
08/12/2020	D+1	Timing	SONI	File submission of ACTA data	Delay of 31 mins	Minor	Closed
11/12/2020	D+4	Timing	SONI	File submission of DI data	Delay of 41 mins	Minor	Closed
13/12/2020	D+4	Timing	SONI	File submission of DI data	Delay of 16mins	Minor	Closed
14/12/2020	D+1	Timing	SONI	File submission of DI data	Delay of 42 mins	Minor	Closed
14/12/2020	D+1	Timing	SONI	File submission of ACTA data	Delay of 29 mins	Minor	Closed
15/12/2020	D+4	Timing	SONI	File submission of DI data	Delay of 1hr and 13 mins	Minor	Closed
15/12/2020	D+1	Timing	SONI	File submission of ACTA data	Delay of 78 mins	Minor	Closed
16/12/2020	D+1	Timing	SONI	File submission of DI data	Delay of 18 mins	Minor	Closed
17/12/2020	D+1	Timing	SONI	File submission of ACTA data	Delay of 23 mins	Minor	Closed
17/12/2020	D+4	Timing	SONI	File submission of ACTA data	Delay of 2 days	Minor	Closed
17/12/2020	D+4	Timing	EIRGRID	File submission of ACTA data	Delay of 2 days	Minor	Closed
28/12/2020	D+1	Timing	EIRGRID	File submission of DI data	Delay of 29 mins	Minor	Closed
31/12/2020	D+1	Timing	SONI	File submission of ACTA data	Delay of 4 days	Minor	Closed

Table 17 - Meter Data Provider Breaches

Market Operator Breaches

Dec-20								
NO defaults								
Ops Date Identified	PT Name	Issue Type	Default Letter Sent	Cause	Resolution	Closed	T & SC Breach	
N/A	N/A	Credit	N/A	N/A	N/A	N/A	N/A	

Table 18 - Credit Risk Management Breach

Market Participant Breaches

PT name	Invoiced period	Market	Default issued due to	Default letter issued	T & SC Breach	Status
Dan Twomey Waterpower Engineering Limited.	WK_46_2020	BMCRM	Timing	Yes	Major	Closed
Axpo Trading AG	WK_47_2020	BMCRM	Timing	Yes	Major	Closed
Powerhouse Generation Limited	NOV_2020	MO	Timing	Yes	Major	Closed

Table 19 - Clearing Default Notices

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	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 1st did not import successfully into the settlement systems	Day ahead trades successfully imported allowing Indicative settlements to be completed	Minor	Closed
2nd		1 Indicative	Timing	SEMO	KIR#201,143	Instruction Profiler	CIM load prevented IP from processing.	Processing continued and Indicative published after due date.	Minor	Closed
4th,5th,6th		3 Indicative	Timing	SEMO	IDT Schedules	Incorrect event date ran on the 07th	Can cause delays to daily Indicative settlement publication timelines.	Requested manual trade files to upload & push. Processing continued and Indicative published after due date.	Minor	Closed
12th,13th		2 Indicative	Timing	SEMO	Connection Issues	Slow processing due to system issues.	Slow processing due to system issues.	Processing continued and Indicative published after due date.	Minor	Closed
15th		1 Indicative	Timing	SEMO	Metering Data	Delay in receiving metering data file for D+1 Settlement date 15.12.2020	Can cause delays to daily Indicative settlement publication timelines.	File received and processing continued. Processing continued and Indicative published after due date.	Minor	Closed
22nd,23rd		2 Indicative	Timing	SEMO	Push failure	The PUSH failed for settlement date 22.12.2020. Script applied on the 24/12 and push for the 22nd re-ran successfully.	Can cause delays to daily Indicative settlement publication timelines	Processing continued after delay, Indicatives published after due date	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
2nd		1 Initial	Timing	SEMO	Processing Issue	Financial analysis	Additional financial analysis required	Additional financial analysis carried out & processing continued and initial published on due date.	Minor	Closed
17th		1 Initial	Timing	SEMO	Push failure	The PUSH failed for settlement date 22.12.2020. Script applied on the 24/12 and push for the 22nd re-ran successfully.	Can cause delays to daily Indicative settlement publication timelines	Processing continued after delay, Indicatives published after due date	Minor	Closed
28th		1 Initial	Timing	SEMO	Processing Issue	IP Push times of settlement data is not performing as expected for daily IP Pushes.	Can cause delays to daily Indicative settlement publication timelines	Processing continued after delay, Indicatives published after due date	Minor	Closed

Table 21 – Delays to Initial Settlement

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

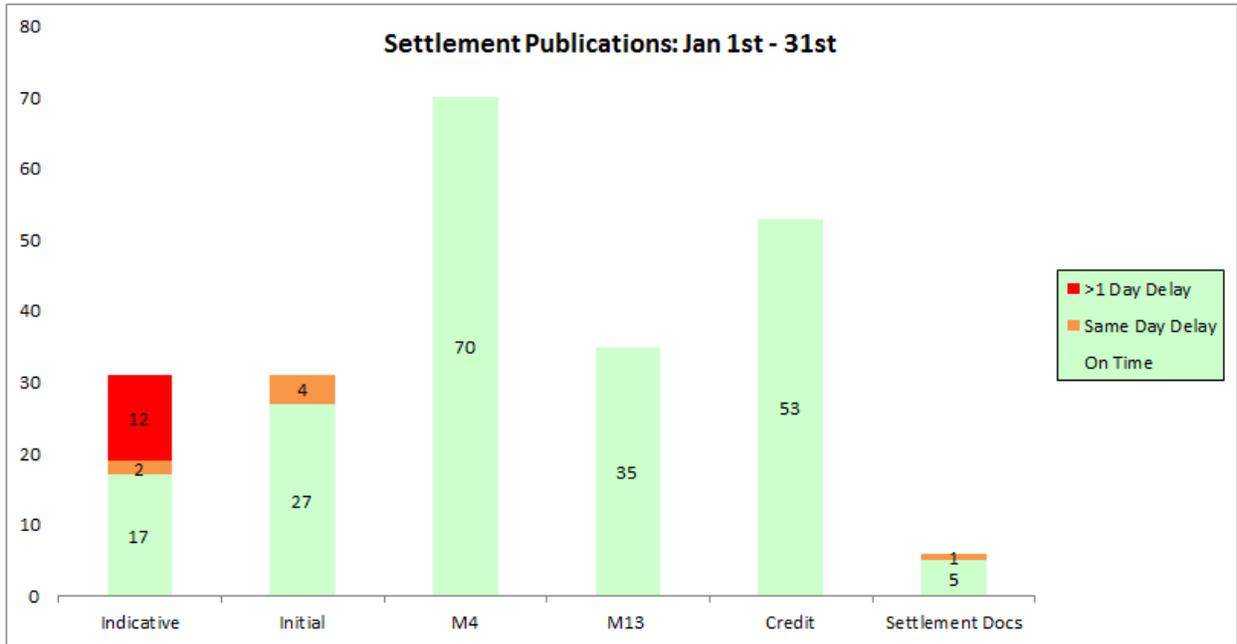


Figure 13 - Settlement Information January 2020*

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

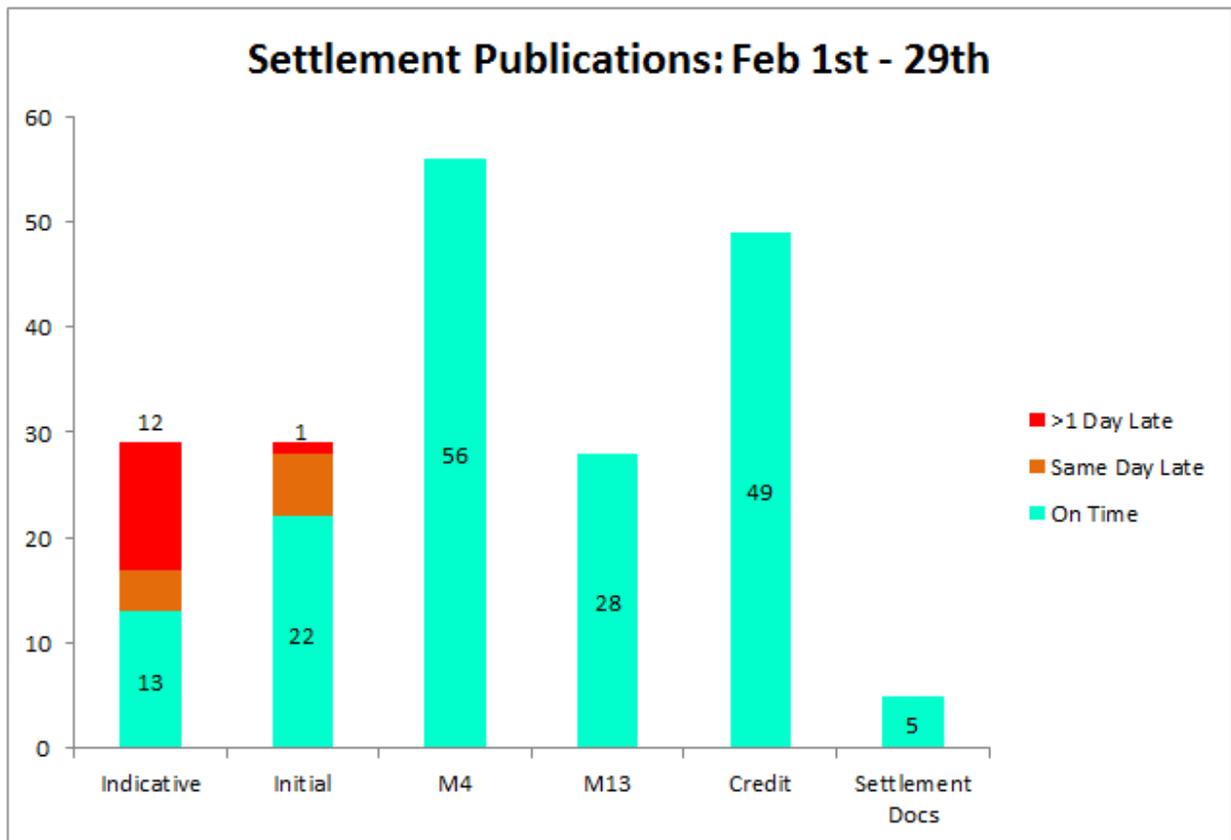


Figure 14 - Settlement Information February 2020

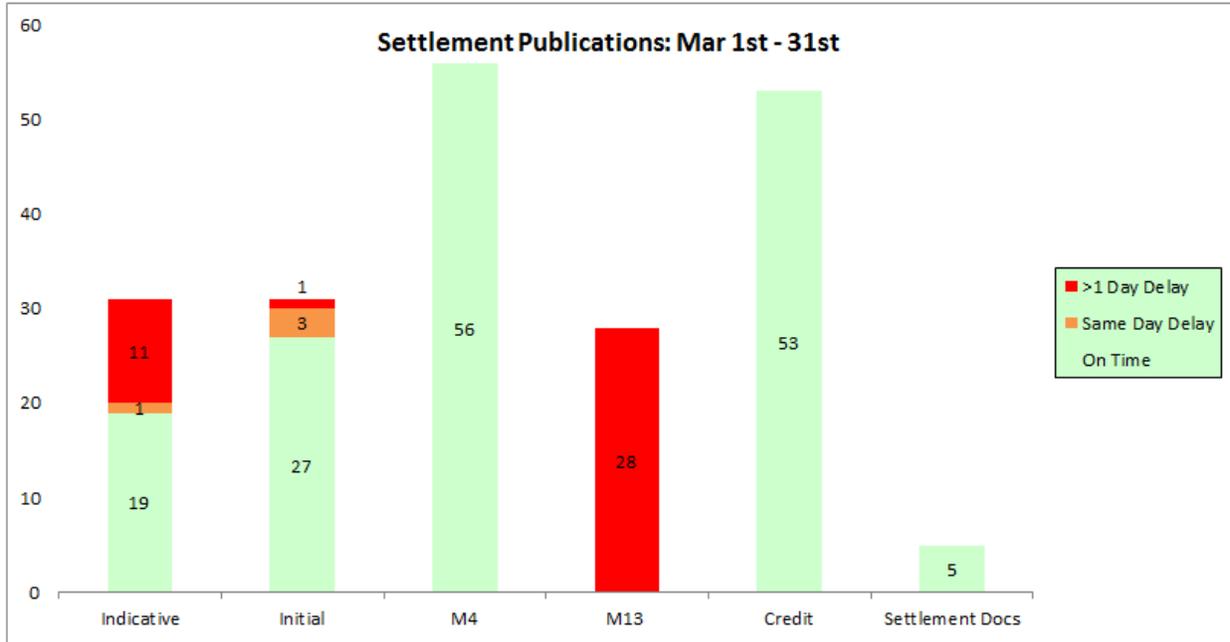


Figure 15 - Settlement Information March 2020

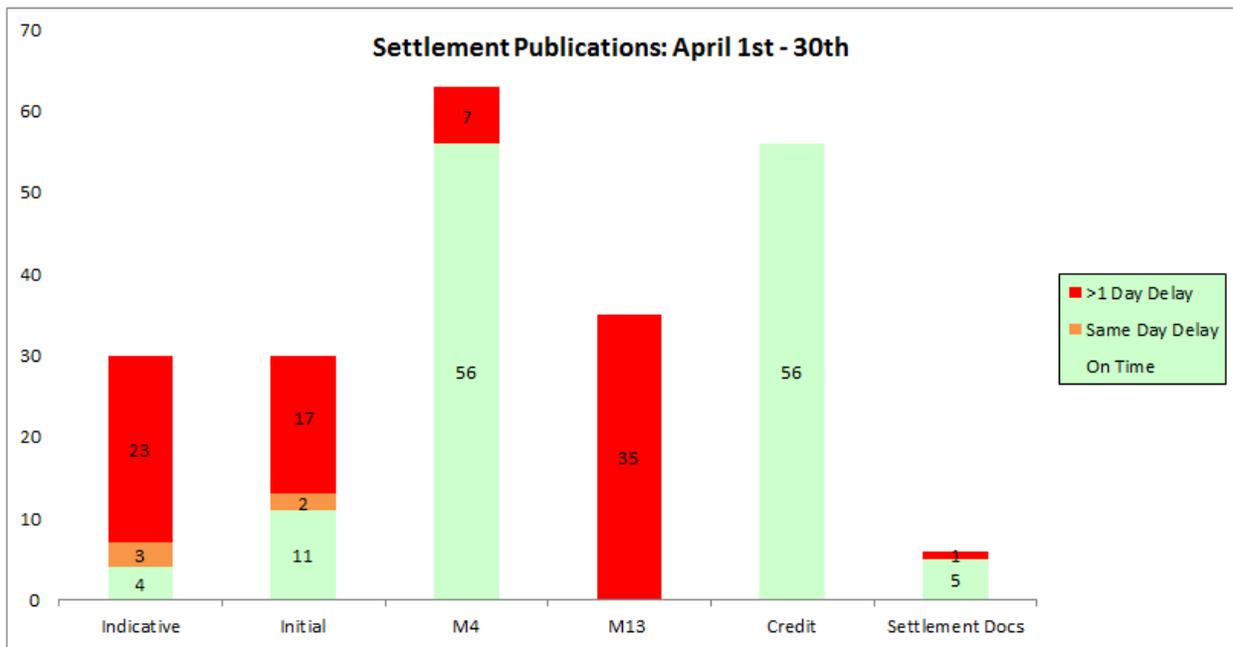


Figure 16 – Settlement Information April 2020

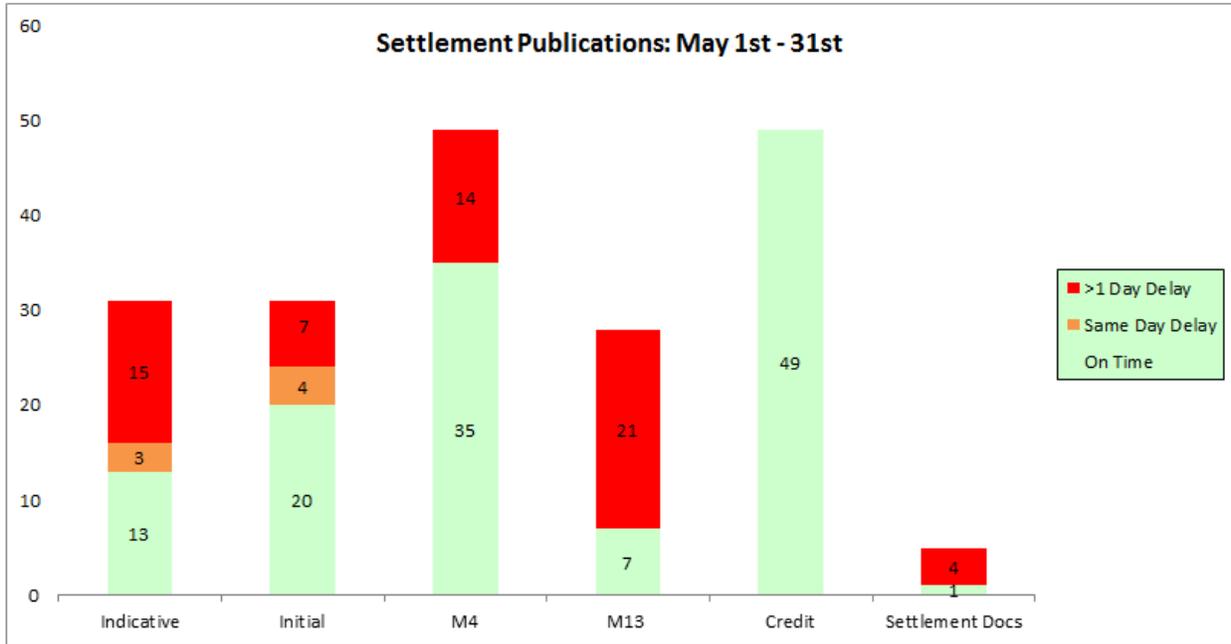


Figure 17 – Settlement Information May 2020

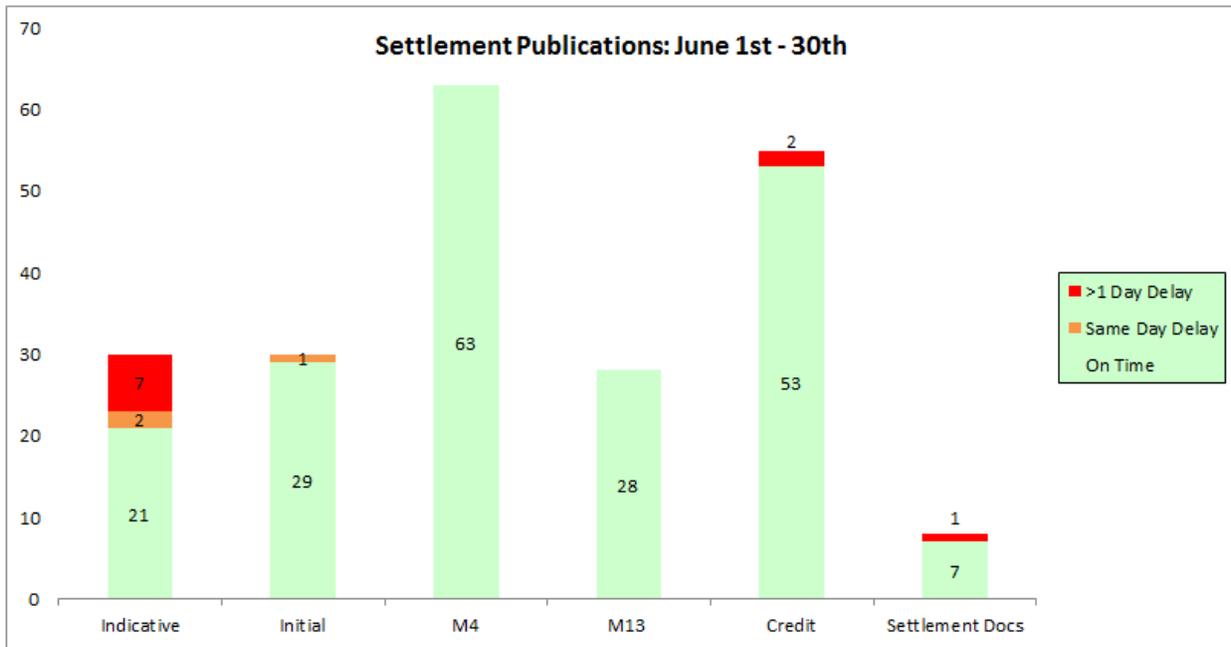


Figure 18 – Settlement Information June 2020

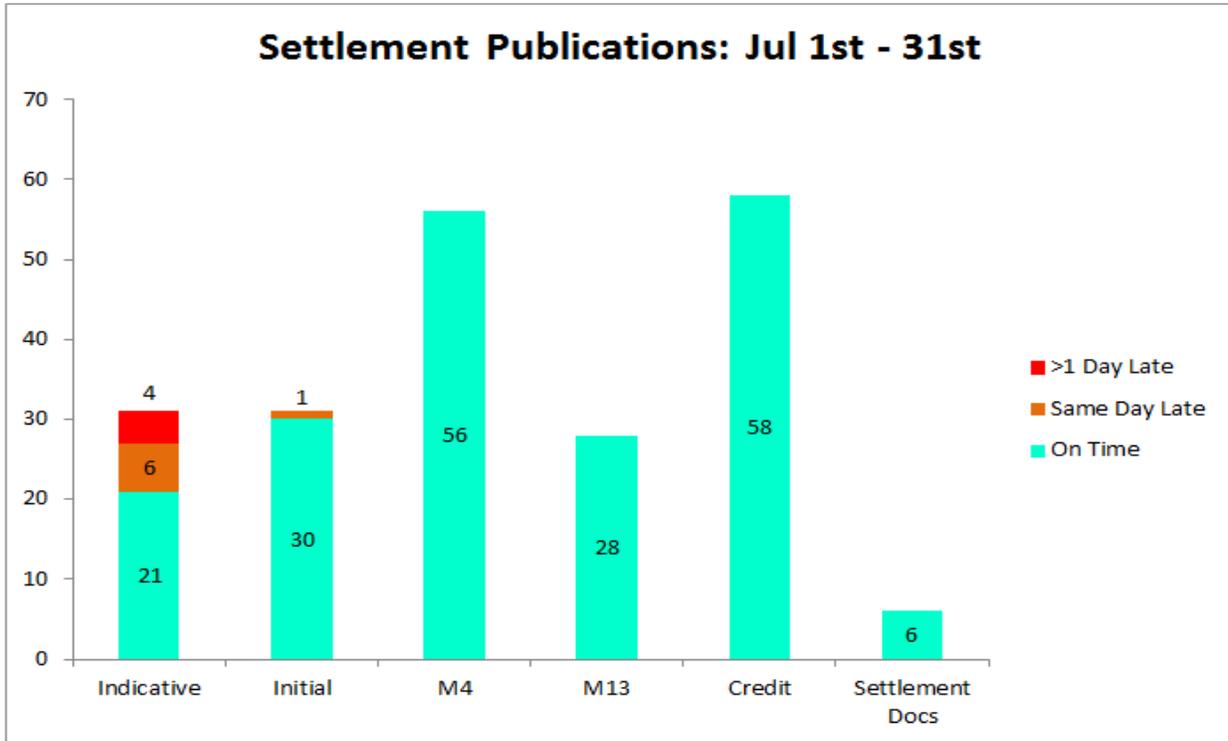


Figure 19 – Settlement Information July 2020

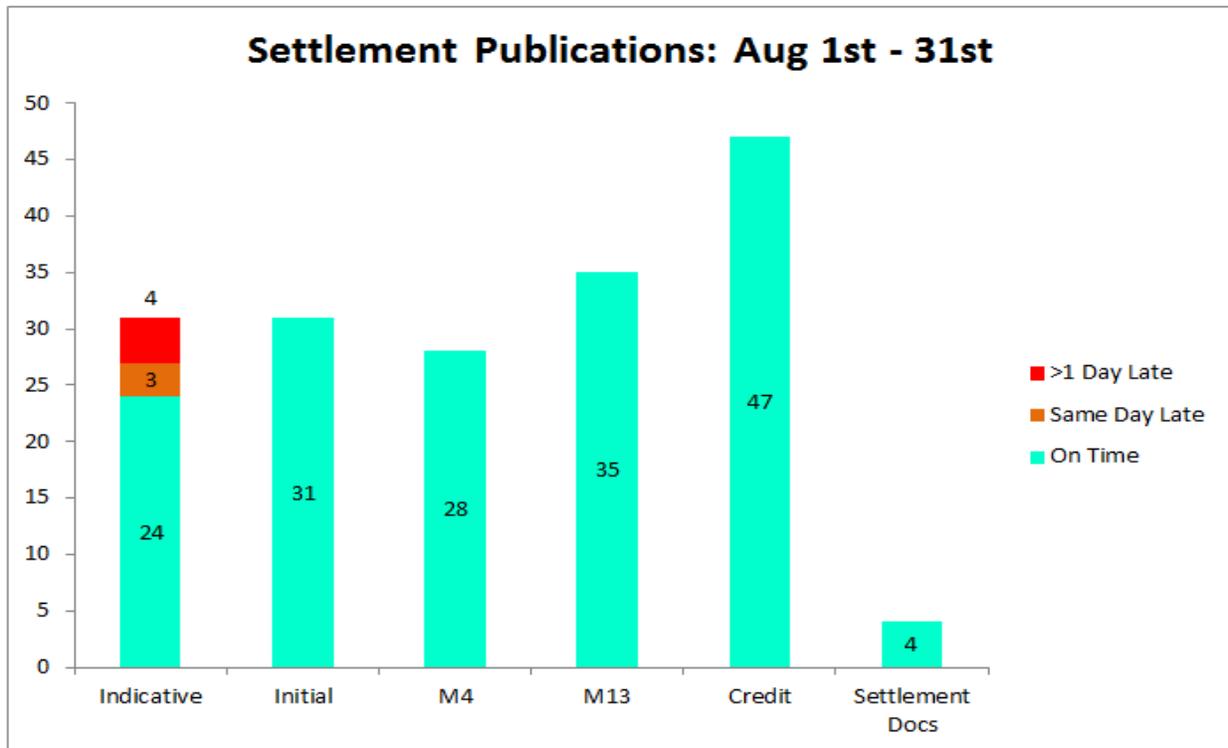


Figure 20 – Settlement Information August 2020

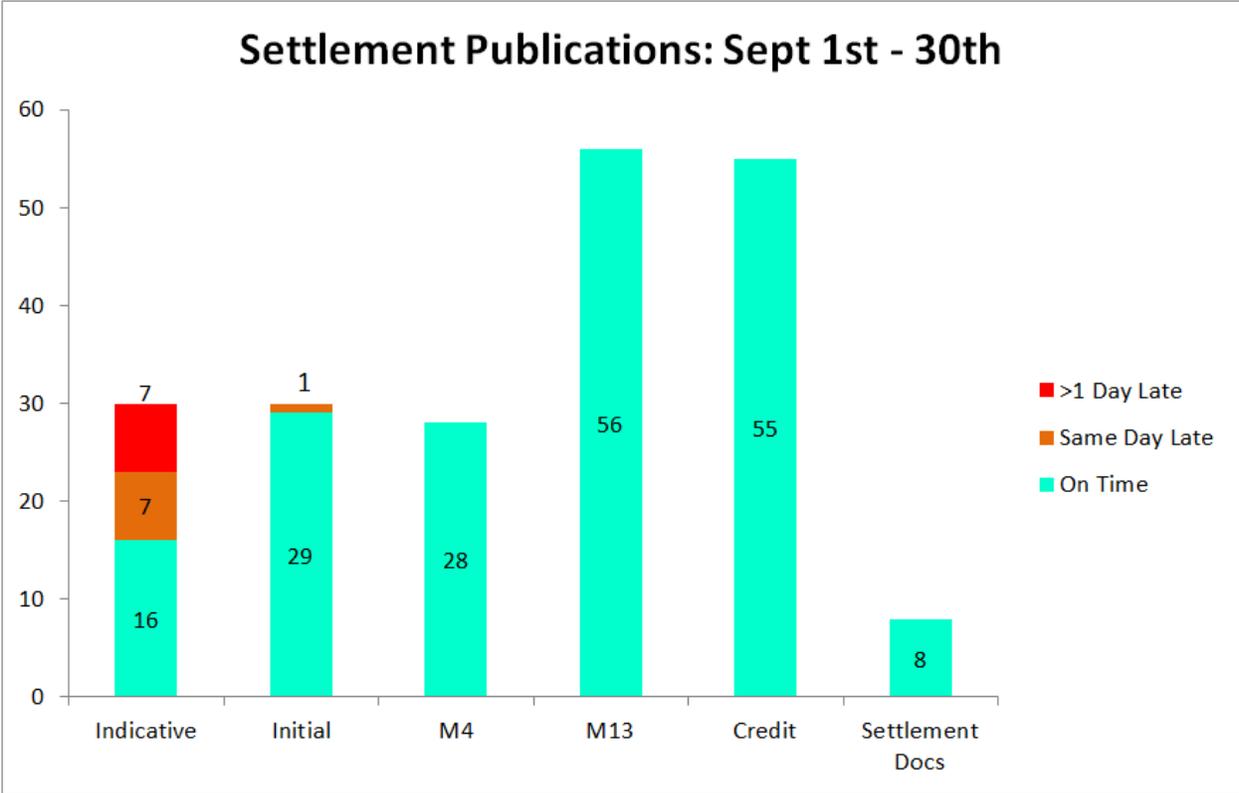


Figure 21 – Settlement Information September 2020

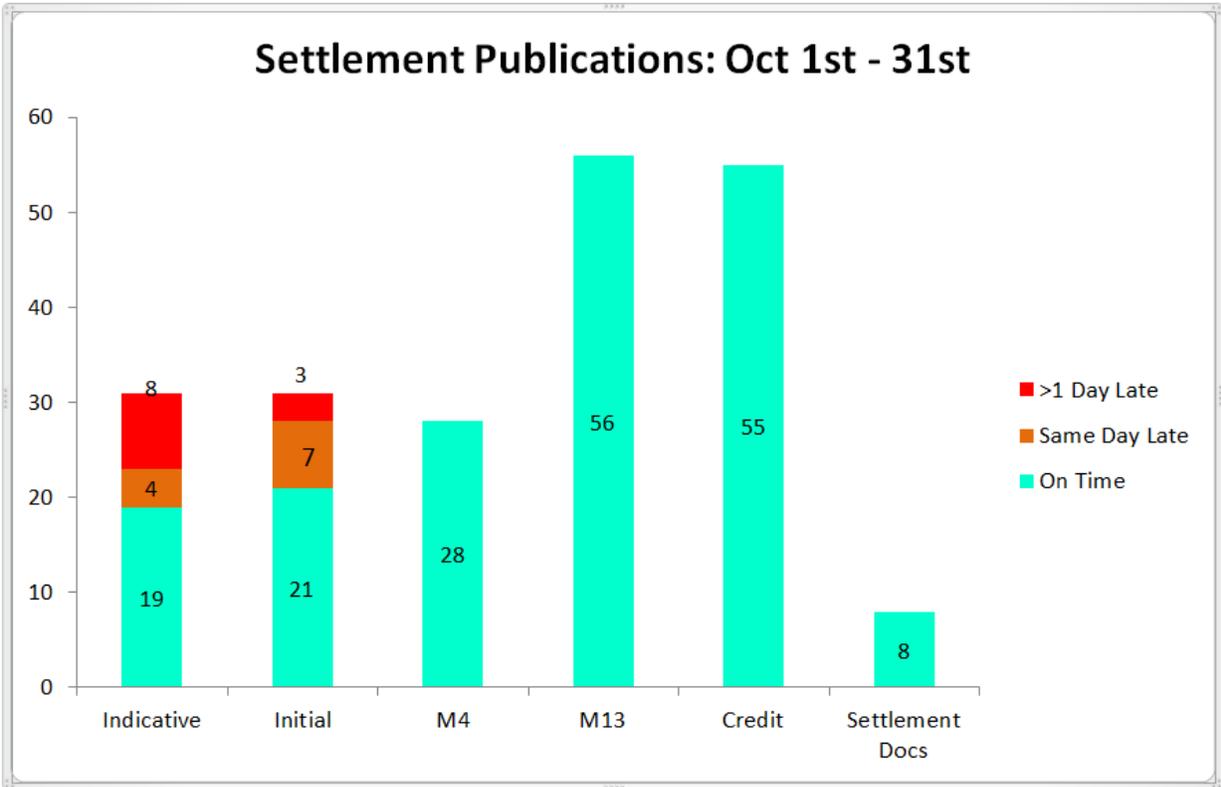


Figure 22 - Settlement Information October 2020

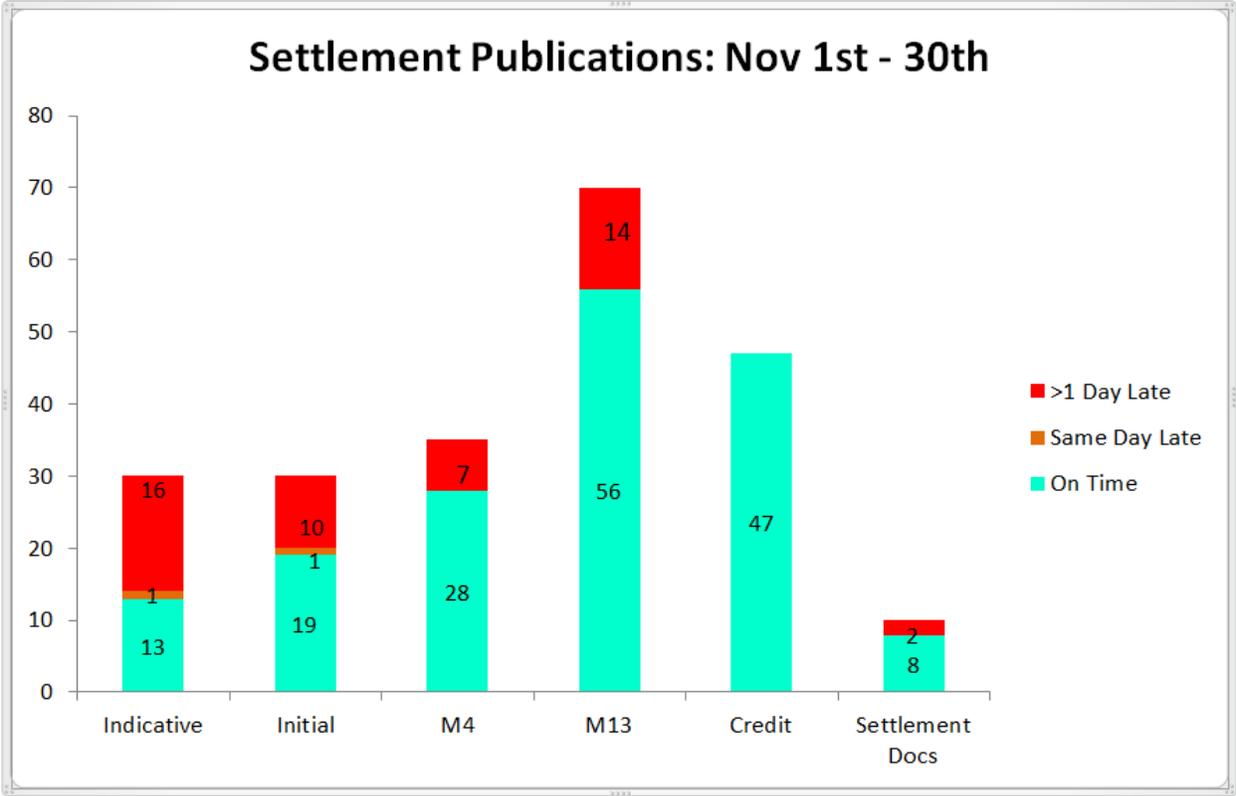


Figure 23 - Settlement Information November 2020

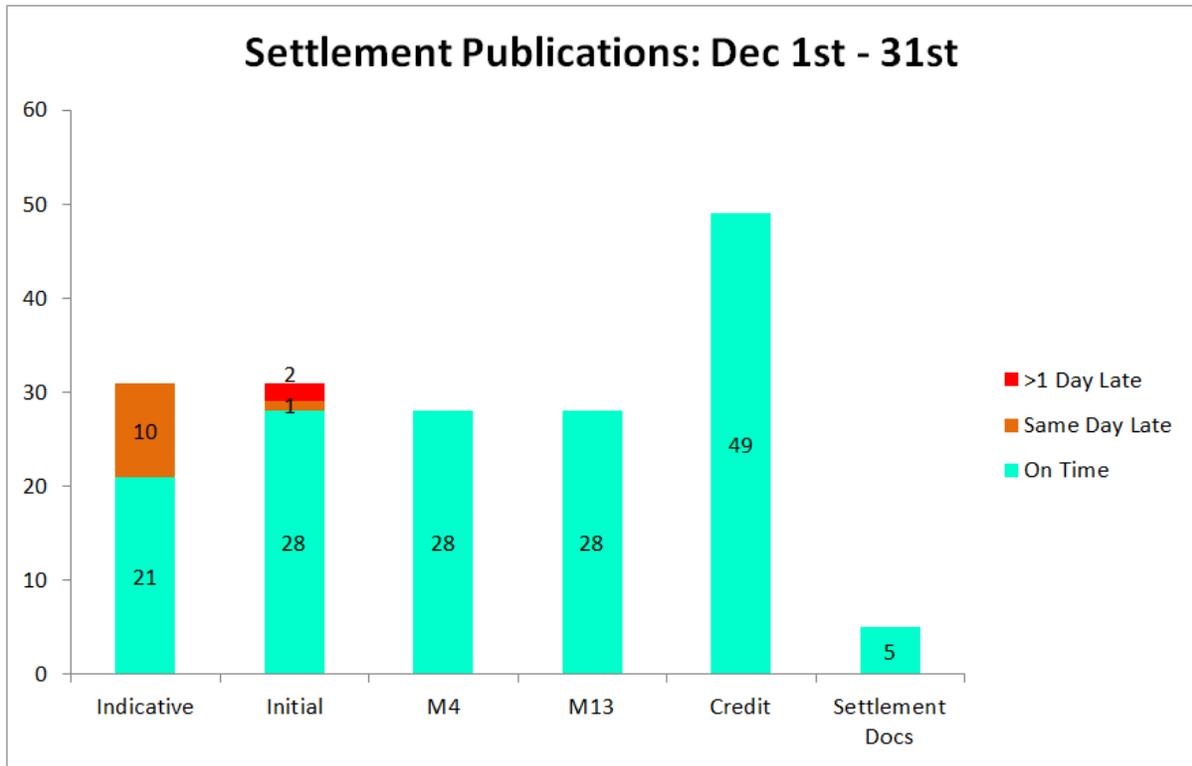


Figure 24 - Settlement Information December 2020

11 Appendix C: Settlement Publication Timings

Indicative Settlement

Operational Date	Market	Run	Period End Date	Target Date & Time	Publish Date & Time
02/12/2020	BALIMB	Indicative	01/12/2020	02/12/2020 17:00	03/12/2020 15:12
03/12/2020	BALIMB	Indicative	02/12/2020	03/12/2020 17:00	04/12/2020 14:44
04/12/2020	BALIMB	Indicative	03/12/2020	04/12/2020 17:00	04/12/2020 16:06
07/12/2020	BALIMB	Indicative	04/12/2020	07/12/2020 17:00	08/12/2020 12:02
07/12/2020	BALIMB	Indicative	05/12/2020	07/12/2020 17:00	08/12/2020 12:27
07/12/2020	BALIMB	Indicative	06/12/2020	07/12/2020 17:00	08/12/2020 13:31
08/12/2020	BALIMB	Indicative	07/12/2020	08/12/2020 17:00	08/12/2020 16:11
09/12/2020	BALIMB	Indicative	08/12/2020	09/12/2020 17:00	09/12/2020 16:24
10/12/2020	BALIMB	Indicative	09/12/2020	10/12/2020 17:00	10/12/2020 16:12
11/12/2020	BALIMB	Indicative	10/12/2020	11/12/2020 17:00	11/12/2020 16:23
14/12/2020	BALIMB	Indicative	11/12/2020	14/12/2020 17:00	14/12/2020 16:58
14/12/2020	BALIMB	Indicative	12/12/2020	14/12/2020 17:00	15/12/2020 09:34
14/12/2020	BALIMB	Indicative	13/12/2020	14/12/2020 17:00	15/12/2020 09:49
15/12/2020	BALIMB	Indicative	14/12/2020	15/12/2020 17:00	15/12/2020 16:46
16/12/2020	BALIMB	Indicative	15/12/2020	16/12/2020 17:00	17/12/2020 09:36
17/12/2020	BALIMB	Indicative	16/12/2020	17/12/2020 17:00	17/12/2020 16:37
18/12/2020	BALIMB	Indicative	17/12/2020	18/12/2020 17:00	18/12/2020 16:41
21/12/2020	BALIMB	Indicative	18/12/2020	21/12/2020 17:00	21/12/2020 16:06
21/12/2020	BALIMB	Indicative	19/12/2020	21/12/2020 17:00	21/12/2020 16:43
21/12/2020	BALIMB	Indicative	20/12/2020	21/12/2020 17:00	21/12/2020 16:54
22/12/2020	BALIMB	Indicative	21/12/2020	22/12/2020 17:00	22/12/2020 16:18
23/12/2020	BALIMB	Indicative	22/12/2020	23/12/2020 17:00	24/12/2020 12:52
24/12/2020	BALIMB	Indicative	23/12/2020	24/12/2020 17:00	29/12/2020 10:20
30/12/2020	BALIMB	Indicative	24/12/2020	30/12/2020 17:00	29/12/2020 16:56
30/12/2020	BALIMB	Indicative	25/12/2020	30/12/2020 17:00	29/12/2020 16:56
30/12/2020	BALIMB	Indicative	26/12/2020	30/12/2020 17:00	29/12/2020 16:56
30/12/2020	BALIMB	Indicative	27/12/2020	30/12/2020 17:00	29/12/2020 16:56
30/12/2020	BALIMB	Indicative	28/12/2020	30/12/2020 17:00	29/12/2020 17:14
30/12/2020	BALIMB	Indicative	29/12/2020	30/12/2020 17:00	30/12/2020 15:59
31/12/2020	BALIMB	Indicative	30/12/2020	31/12/2020 17:00	31/12/2020 15:50
04/01/2021	BALIMB	Indicative	31/12/2020	04/01/2021 17:00	04/01/2021 16:35

Table 22 – Indicative Settlement Publication times

Initial Settlement

Operational Date	Market	Run	Period End Date	Target Date & Time	Publish Date & Time
08/12/2020	BALIMB	Initial	01/12/2020	08/12/2020 12:00	08/12/2020 11:25
09/12/2020	BALIMB	Initial	02/12/2020	09/12/2020 12:00	09/12/2020 12:14
10/12/2020	BALIMB	Initial	03/12/2020	10/12/2020 12:00	10/12/2020 11:17
11/12/2020	BALIMB	Initial	04/12/2020	11/12/2020 12:00	10/12/2020 15:14
11/12/2020	BALIMB	Initial	05/12/2020	11/12/2020 12:00	10/12/2020 16:21
11/12/2020	BALIMB	Initial	06/12/2020	11/12/2020 12:00	11/12/2020 11:00
14/12/2020	BALIMB	Initial	07/12/2020	14/12/2020 12:00	14/12/2020 11:36
15/12/2020	BALIMB	Initial	08/12/2020	15/12/2020 12:00	15/12/2020 11:37
16/12/2020	BALIMB	Initial	09/12/2020	16/12/2020 12:00	16/12/2020 11:02
17/12/2020	BALIMB	Initial	10/12/2020	17/12/2020 12:00	17/12/2020 10:58
18/12/2020	BALIMB	Initial	11/12/2020	18/12/2020 12:00	17/12/2020 16:43
18/12/2020	BALIMB	Initial	12/12/2020	18/12/2020 12:00	17/12/2020 16:54
18/12/2020	BALIMB	Initial	13/12/2020	18/12/2020 12:00	18/12/2020 11:05
21/12/2020	BALIMB	Initial	14/12/2020	21/12/2020 12:00	21/12/2020 11:06
22/12/2020	BALIMB	Initial	15/12/2020	22/12/2020 12:00	22/12/2020 11:31
23/12/2020	BALIMB	Initial	16/12/2020	23/12/2020 12:00	23/12/2020 11:02
24/12/2020	BALIMB	Initial	17/12/2020	24/12/2020 12:00	29/12/2020 14:31
30/12/2020	BALIMB	Initial	18/12/2020	30/12/2020 12:00	29/12/2020 14:38
30/12/2020	BALIMB	Initial	19/12/2020	30/12/2020 12:00	29/12/2020 14:49
30/12/2020	BALIMB	Initial	20/12/2020	30/12/2020 12:00	29/12/2020 14:59
30/12/2020	BALIMB	Initial	21/12/2020	30/12/2020 12:00	30/12/2020 11:07
30/12/2020	BALIMB	Initial	22/12/2020	30/12/2020 12:00	30/12/2020 11:15
30/12/2020	BALIMB	Initial	23/12/2020	30/12/2020 12:00	30/12/2020 11:25
31/12/2020	BALIMB	Initial	24/12/2020	31/12/2020 12:00	31/12/2020 11:18
04/01/2021	BALIMB	Initial	25/12/2020	04/01/2021 12:00	31/12/2020 16:05
04/01/2021	BALIMB	Initial	26/12/2020	04/01/2021 12:00	31/12/2020 16:11
04/01/2021	BALIMB	Initial	27/12/2020	04/01/2021 12:00	04/01/2021 11:27
04/01/2021	BALIMB	Initial	28/12/2020	04/01/2021 12:00	05/01/2021 11:04
06/01/2021	BALIMB	Initial	29/12/2020	05/01/2021 12:00	05/01/2021 11:30
07/01/2021	BALIMB	Initial	30/12/2020	06/01/2021 12:00	06/01/2021 11:10
07/01/2021	BALIMB	Initial	31/12/2020	07/01/2021 12:00	07/01/2021 11:03

Table 23 – Initial Settlement Publication times

12 Appendix D: List of Queries by Type

Date Sent	Due Date	Query Ref No.	Charge Component
01/12/2020	31/12/2020	#3284	CFC
08/12/2020	07/01/2021	#3343	CEADSU
09/12/2020	08/01/2021	#3351	CUNIMB
10/12/2020	11/01/2021	#3358	CIMB
15/12/2020	15/01/2021	#3401	CIMB

Table 24 - Upheld Queries

Date Sent	Due Date	Query Ref No.	Charge Component
04/12/2020	19/01/2021	#3326	CIMB
08/12/2020	21/01/2021	#3346	CUNIMB
10/12/2020	11/01/2021	#3359	CPREMIUM
11/12/2020	12/01/2021	#3372	CPREMIUM
14/12/2020	14/01/2021	#3388	CDIFFCWD
14/12/2020	14/01/2021	#3389	CIMB
16/12/2020	18/01/2021	#3411	CUNIMB

Table 25 - Unresolved Formal Queries