



Market Operator's Performance Report

May 2020

Contents

Contents.....	2
Executive Summary.....	4
1 Joining and Terminating Parties and Units	5
1.1 Balancing Market	5
1.1 Termination of Participants.....	5
1.2 Suspension of Participants	6
2 Trading and Settlement Code Breaches	6
3 Balancing Market Settlements.....	8
3.1 Indicative and Initial Settlement Runs	8
3.2 Settlement Documents	9
3.3 M+4 and M+13 Resettlement	10
4 Financial Statistics.....	11
4.1 Cash Flow positions for Balancing Market, Capacity Market and Market Operator Charges.....	11
4.2 Financial Changes between Initial Settlement and Subsequent Reruns	12
5 Query Management.....	14
5.1 General Queries	14
5.2 Settlement Queries	14
5.3 Disputes.....	15
6 Imbalance Price.....	16
6.1 Imbalance Price	16
6.2 Exchange Rate	18
6.3 Imbalance Price Generation and Backup Price	18
7 Modifications	19
7.1 Balancing Market – Trading & Settlement Code Modification Management	19
7.2 Balancing Market - Modifications Process Development.....	19
8 Central Systems.....	21
8.1 System Releases	21
8.2 System Availability	21
8.3 Known Issues Report	21

8.4	Limited Communication Failure (LCF), General Communication Failure (GCF) and General System Failure (GSF).....	21
9	Appendix A: Trading and Settlement Code Breaches.....	22
10	Appendix B: Historical Settlement Information.....	25
11	Appendix C: Settlement Publication Timings.....	31
12	Appendix D: List of Queries by Type	33

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 May 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 May 2020:

- There were 29 late publications of Indicative and Initial Settlement runs as per the Trading and Settlement Code timelines
- 1 out of 5 Settlement Documents issued on time
- Re-occurrence of KIR ID #162,950 : MMS (Market Management Systems) application issue for settlements data had a significant impact on settlement publication timelines for May 2020
- KIR ID #164,630 : Daily IP Push issue had a significant impact on settlement publication timelines for May 2020.
- There were 6 payment defaults by Participants
- There was 1 new unit registered in the market, and 1 new party joined the market
- There were no Credit default by Participants as per the Trading and Settlement code timelines
- 201 general queries were received and 202 general queries were resolved, with 75 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 May and 31 May 2020

Party Name	Party ID	Participant ID	Unit ID	Effective Date
Cobblestone Energy Limited	PY_034091	PT_502523	AU_500115	13/05/2020

Table 1 - Parties who joined the market in May 2020

The below units went effective in the Market between 01 May and 31 May 2020

Party Name	Party ID	Participant ID	Unit ID	Effective Date
Endeco-Wirelite Sensors Limited	PY_000126	PT_400133	SU_400352	27/05/2020
Cobblestone Energy Limited	PY_034091	PT_502523	AU_500115	13/05/2020

Table 2 – Registrations May 2020

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

Party Name	Party ID	Participant ID	Unit ID	Effective Date
Gaelectric Interconnector Trading Ireland ROI Ltd	PY_000149	PT_500088	AU_500006	06/05/2020
Gaelectric Interconnector Trading Ireland ROI Ltd	PY_000149	PT_400170	AU_400016	06/05/2020
Just Energy (Ireland) Limited	PY_000174	PT_400211	SU_400216	20/05/2020

Table 3 – De-Registrations May 2020

1.1 Termination of Participants

There were no terminating parties in May 2020.

1.2 Suspension of Participants

No Suspension Orders were issued by the Market Operator in May 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		-	9
Market Participants	Clearing	6	-
	Credit Risk Management	0	-
Market Operator	Balancing Market Settlement	4	29
	Clearing	-	-
	Credit Risk Management	-	-
	Other	-	-
Total		10	38

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 01/05/2020 – 31/05/2020		
	Indicative	Initial
On Time	13	20
Same Day Late	3	4
> 1 Day Late	15	7
Total runs	31	31

Table 5 - Settlement Runs completed 01/05/2020 - 31/05/2020

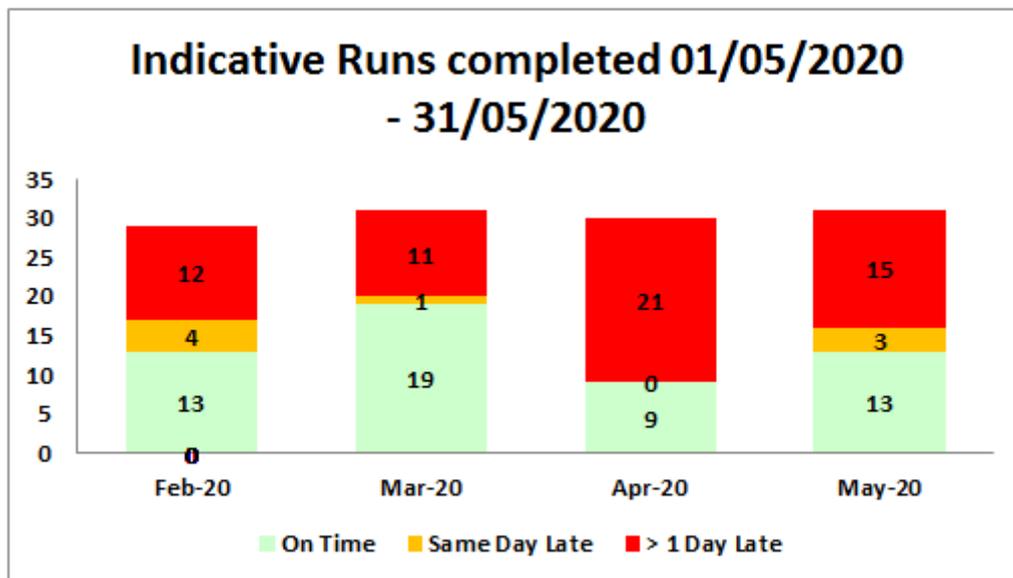


Figure 1 Indicative Settlement Runs Completed

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

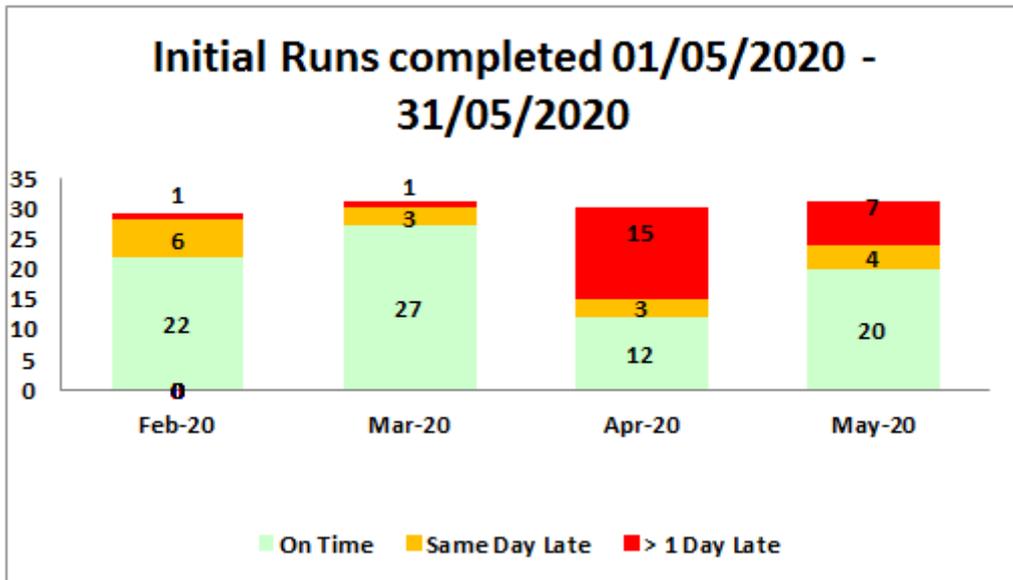


Figure 2 Initial Settlement Runs Completed

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 01/05/2020 - 31/05/2020	
	No. of Weeks
On Time	1
Same Day Late	0
> 1 Day Late	4
Total runs	5

Table 6 - Settlement Documents completed 01/05/2020 - 31/05/2020

*Up to 2 Settlement Documents issued per week due to KIR #6148

3.3 M+4 and M+13 Resettlement

M+4 Resettlement processing occurred during each week for the month of May 2020. Single M+4 Resettlement weeks were published on two of the four settlement document publication days, with the Settlement Calendar updated to reflect this.

One week of M13 was published in May 2020 due to follow on issues with ACTA data, Instruction profiler timeslots prioritised for initial settlement processing, additional analysis required and priority by vendor to operational IP issues.

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 May 2020 to 31 May 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
CDISCOUNT	Discount Payment	5,539,274
CPREMIUM	Premium Payment	6,951,503
CFC	Fixed Cost Payment or Charge	2,508,685
CIMB	Imbalance Payment or Charge	-623,995
CAOOPO	Offer Price Only Accepted Offer Payment or Charge	-105,215
CCURL	Curtailment Payment or Charge	-444,911
CABBPO	Bid Price Only Accepted Bid Payment or Charge	8,792
CTEST	Testing Charge	0
CDIFFCWD	Within-day Difference Charge	-11,514
CCA	Currency Adjustment Charge	-38,664
CUNIMB	Uninstructed Imbalance Charge	-85,864
CSOCDIFFP	Difference Payment Socialisation Charge	-276,773
CREV	Residual Error Volume Charge	-1,691,058
CIMP	Imperfections Charge	-26,892,343
Total		-15,162,084

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	30,108,209
CCC	Fixed Market Operator Charge Supplier Units	-25,948,773
Total		4,159,436

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	-58,906
CMOAV	Fixed Market Operator Charge Supplier Units	-1,531
CVMO	Variable Market Operator Charge	-1,034,647
Total		-1,095,084

Table 9 - Market Operator Charges

4.2 Financial Changes between Initial Settlement and Subsequent Reruns

During the month of May 2020:

- M+4 Resettlement has been completed for Settlement Dates 17/11/2019 to 21/12/2019.
- M+13 Resettlement has been completed for Settlement Dates 20/01/2019 to 26/01/2019.

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
CPREMIUM	-€2,252
CFC	€786,884
CDIFFCNP	€23,989
CDIFFPIMB	-€36,272
CABBPO	-€467
CTEST	€0
CCA	-€58
CCURL	-€6,000
CSOCDIFFP	€939
CREV	-€1,070
CUNIMB	€98,427
CIMP	-€47,904
CAOOPO	€6,027
CDIFFCWD	€2,583
CDISCOUNT	-€30,663
CIMB	-€149,232
Total	€644,931

Table 10 - Balancing Market Resettlement

Capacity Market Resettlement	
Component	Difference
CCP	€48,426
CCC	€65,946
Total	€114,372

Table 11 - Capacity Market Resettlement

Market Operator Charges Resettlement	
Component	Difference
CMOAV	€1,513
CMOAU	€58,816
CVMO	-€1,333
Total	€58,995

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 13 - Helpdesk Query Statistics cover the month of May 2020.

Received	Resolved	Open
201	202	75

Table 13 – Helpdesk Query Statistics

The average resolution time for queries in May 2020 was 9.3 working days.

Definitions

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

5.2 Settlement Queries

There were 27 Formal Settlement queries raised in May 2020.

14 have been upheld, 11 are unresolved at this time and are currently under investigation, 1 query was not upheld and 1 query was rejected.

Topic (upheld Queries)	Number of Queries
CFC	5
CCC	4
CIMB	3
CDISCOUNT	1
LF	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 May 2020 can be found in **Appendix D**.

5.3 Disputes

No Disputes have been raised in the month of May 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 May 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 May was €25.63.

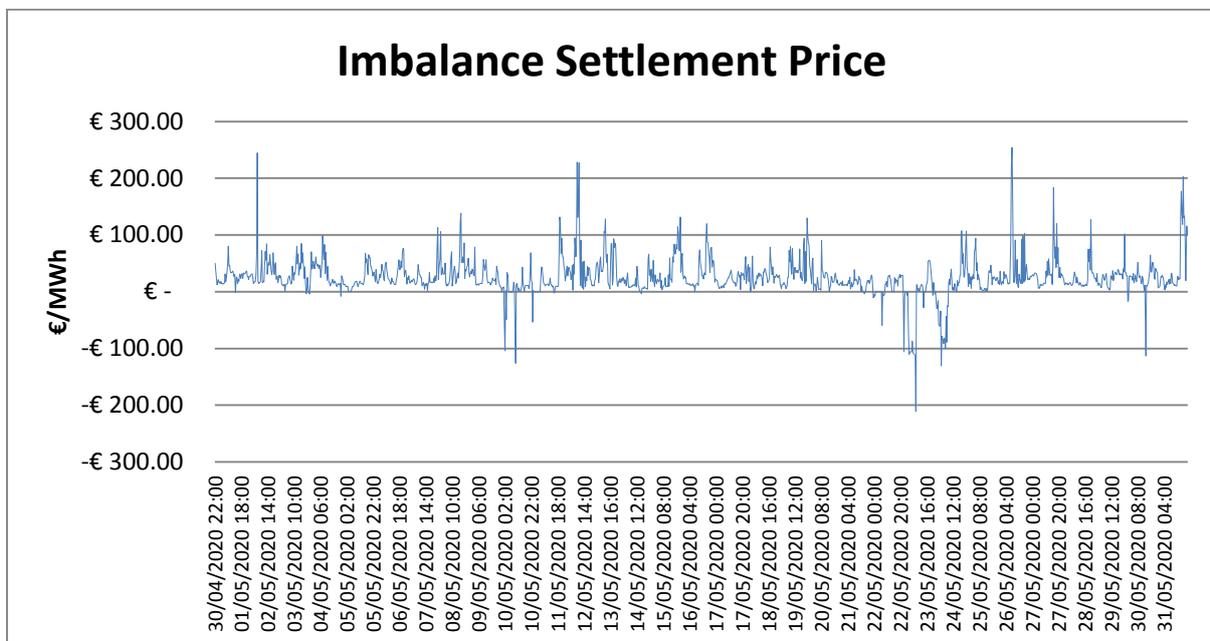


Figure 3 – Imbalance Settlement Price

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.

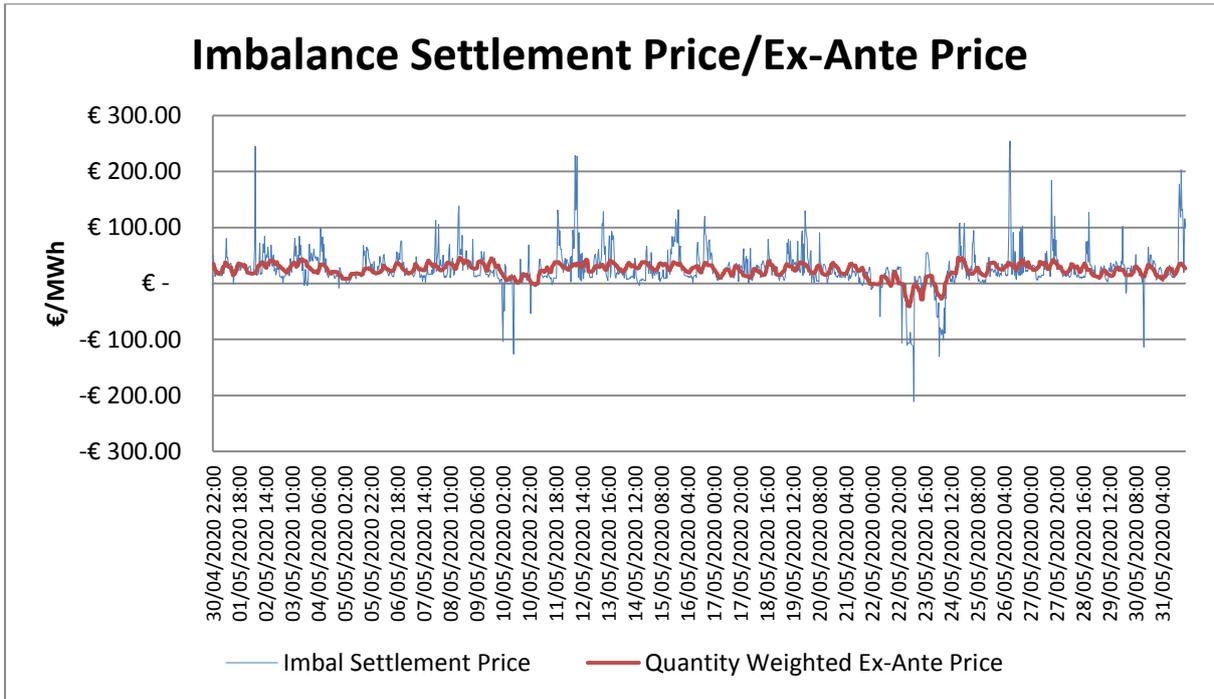


Figure 4 – Imbalance Settlement Price & Quantity Weighted Ex-Ante Price Comparison

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

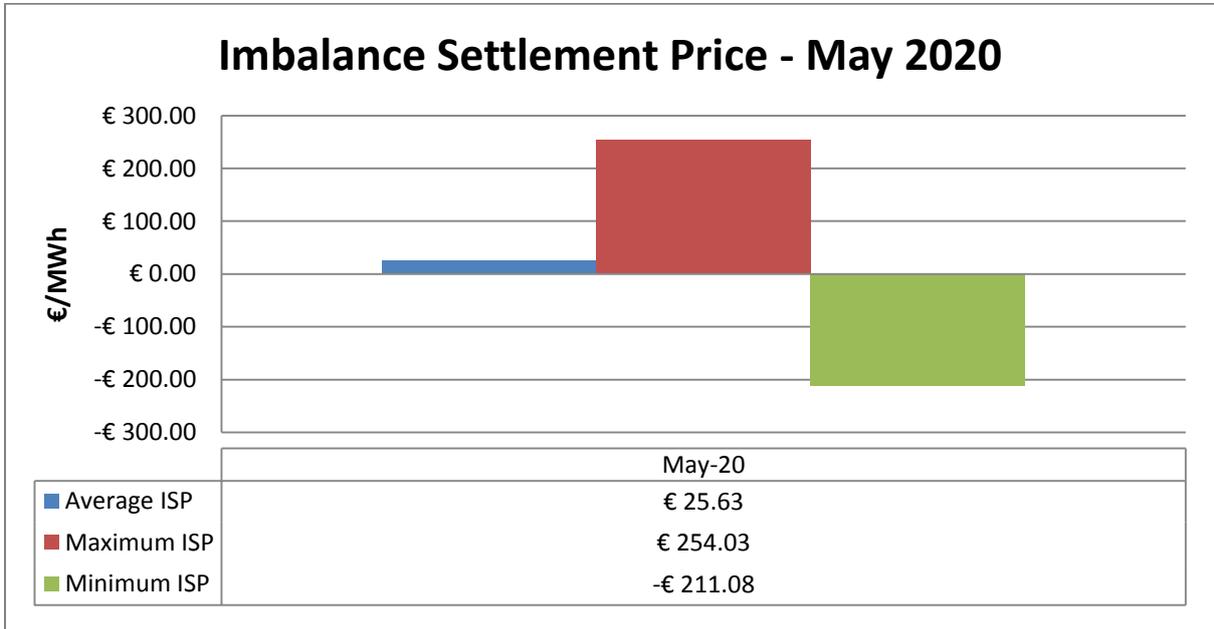


Figure 5 – Highest, Lowest and Average Imbalance Prices

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**.

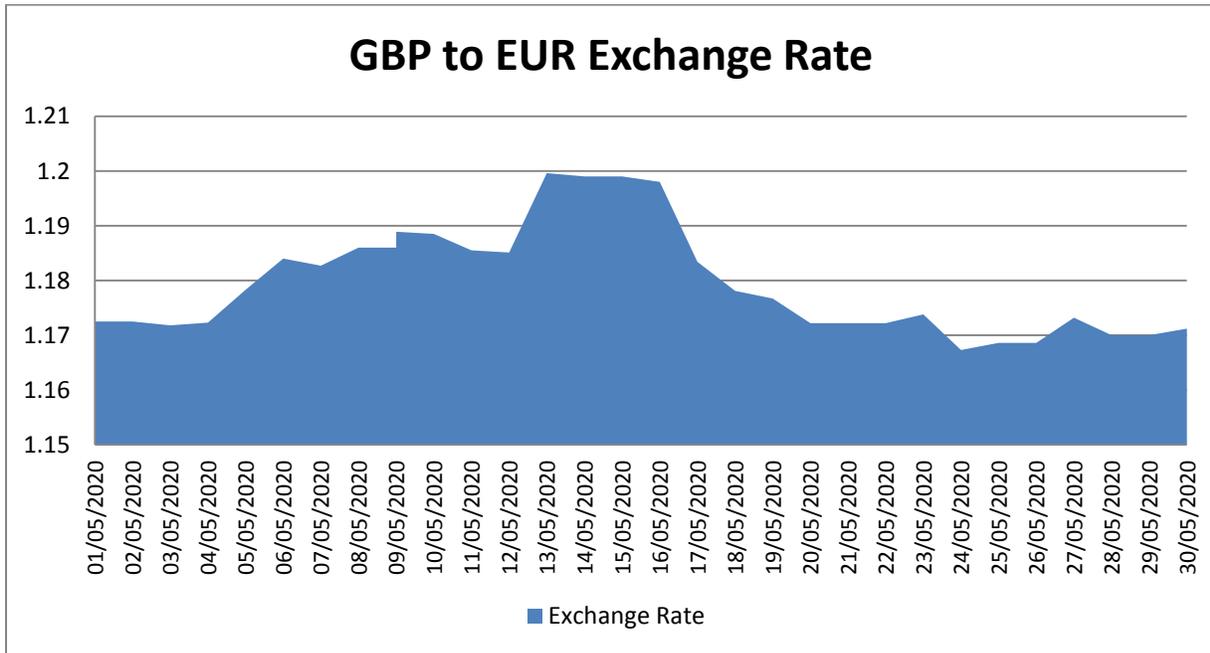


Figure 6 – GBP to EUR Exchange Rate

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 25 Market Back Up Prices and 12 Ex-Ante Prices published; as a result 136 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 May 2020 and 31st May 2020. Table 15 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 May 2020		

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	0

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 15).

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_02_20 Housekeeping Feb 2020

8 Central Systems

8.1 System Releases

There were no System Releases in May.

8.2 System Availability

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

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 May 2020.

There was no GCF during the month of May 2020.

There were no GSFs during the month of May 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
18/05/2020	D+1	Timing	SONI	File submission of Metering data	Delay of 62 mins	Minor	Closed
28/05/2020	D+1	Timing	MRSO	File submission of Metering data	Delay of 17 mins	Minor	Closed
25/05/2020	D+4	Timing	MRSO	File submission of Metering data	Delay of 8 mins	Minor	Closed
18/05/2020	D+1	Timing	SONI	File submission of DI data	Delay of 53 mins	Minor	Closed
21/05/2020	D+1	Timing	SONI	File submission of DI data	Delay of 28 mins	Minor	Closed
15/05/2020	D+4	Timing	SONI	File submission of DI data	Delay of 54 mins	Minor	Closed
16/05/2020	D+4	Timing	SONI	File submission of ACTA data	Delay of 48 mins	Minor	Closed
18/05/2020	D+4	Timing	SONI	File submission of ACTA data	Delay of 30 mins	Minor	Closed
18/05/2020	D+4	Timing	SONI	File submission of DI data	Delay of 28 mins	Minor	Closed

Table 18 - Meter data provider breaches

Market Participant Breaches

PT name	Invoiced period	Market	Default issued due to	Default letter issued	T & SC Breach	Status
Arden Energy Limited	WK_17_2020	BMCRM	Timing	Yes	Major	Closed
Just Energy (Ireland) Limited	April_2020	MO	Timing	Yes	Major	Closed
EnerNOC Ireland Limited	April_2020	MO	Timing	Yes	Major	Closed
Endeco - Wirelite Sensors Limited	April_2020	MO	Timing	Yes	Major	Closed
Guig Wind Farm Limited	April_2020	MO	Timing	Yes	Major	Closed
Derrysallagh Supply Limited	WK_18_2020	BMCRM	Timing	Yes	Major	Closed

Table 19 - Clearing Default Notices

Market Operator Breaches

Ops Date Identified	Periods affected	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T&SC Breach	Status
1st, 3rd - 5th, 7th - 10th, 17th	9	Indicative	Timing	SEMO	KIR 162950	MMS (Market Management Systems) application issue for settlements data	Settlement system not importing a full set of data from MMS for Indicative and Initial for certain dates, the issue is affecting one import only.	Workaround is in place until issue can be resolved, which is been actively been worked on.	Minor	Closed
16th	1	Indicative	Timing	SEMO	Missing DAM trades	Indicative runs were published late on target day due to a delay with processing DAM data	Missing Day ahead trades caused a delay in processing.	Day ahead trades successfully imported allowing indicative settlements to be completed	Minor	Closed
18th, 21st	2	Indicative	Timing	SEMO	MDP Data	SONI Data delayed	Late submission of MDP data	Data received & backlog worked through	Minor	Closed
2nd, 11th - 14th	5	Indicative	Timing	SEMO	KIR 164630	IP Push times of settlement data is not performing as expected for daily IP Pushes.	Can cause delays to daily Indicative & Initial settlement publication timelines	Software Update from vendor	Minor	Closed
25th	1	Initial	Timing	SEMO	Processing Delay	Bank holiday catch up	Backlog of initials from bank holiday	Processing backlog worked through	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
4th-11th	8	Initial	Timing	SEMO	KIR 164630	IP Push times of settlement data is not performing as expected for daily IP Pushes.	Can cause delays to daily Indicative & Initial settlement publication timelines	Software Update from vendor	Major	Closed
13th	1	Initial	Timing	SEMO	Late MDP data	Initial runs were published late on target day due to a delay with MDP data	Metered data from SONI provided late	Meter data from SONI received and initials completed	Minor	Closed
19th	1	Initial	Timing	SEMO	Processing Delay	Bank holiday catch up	Backlog of initials from bank holiday	Processing backlog worked through	Minor	Closed
31st	1	Initial	Timing	SEMO	Processing Issue	Processing Delayed	Internal System outage during processing	Processing backlog worked through	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
01/05/2020	2	Settlement Documents	Timing	SEMO	KIR 162950	MMS (Market Management Systems) application issue for settlements data	Settlement system not importing a full set of data from MMS for Indicative and Initial for certain dates, the issue is affecting one import only.	Workaround is in place until issue can be resolved, which is been actively been worked on.	Major	Closed
15/05/2020	1	Settlement Documents	Timing	SEMO	KIR 164630	IP Push times of settlement data is not performing as expected for daily IP Pushes.	Can cause delays to daily Indicative & Initial settlement publication timelines	Software Update from vendor	Major	Closed
22/05/2020	1	Settlement Documents	Timing	SEMO	VAT Registration	VAT Registration for one PT, which impacted SD VAT values for all PTs	As a result of an operator error issue, a "data script" had to be prepared by the vendor to resolve the error.	VAT type manually corrected for one PT, which then flowed into SDs. "Data Script" also had to be prepared by the vendor to resolve the error.	Major	Closed

Table 22 – Delays to Settlement Document

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

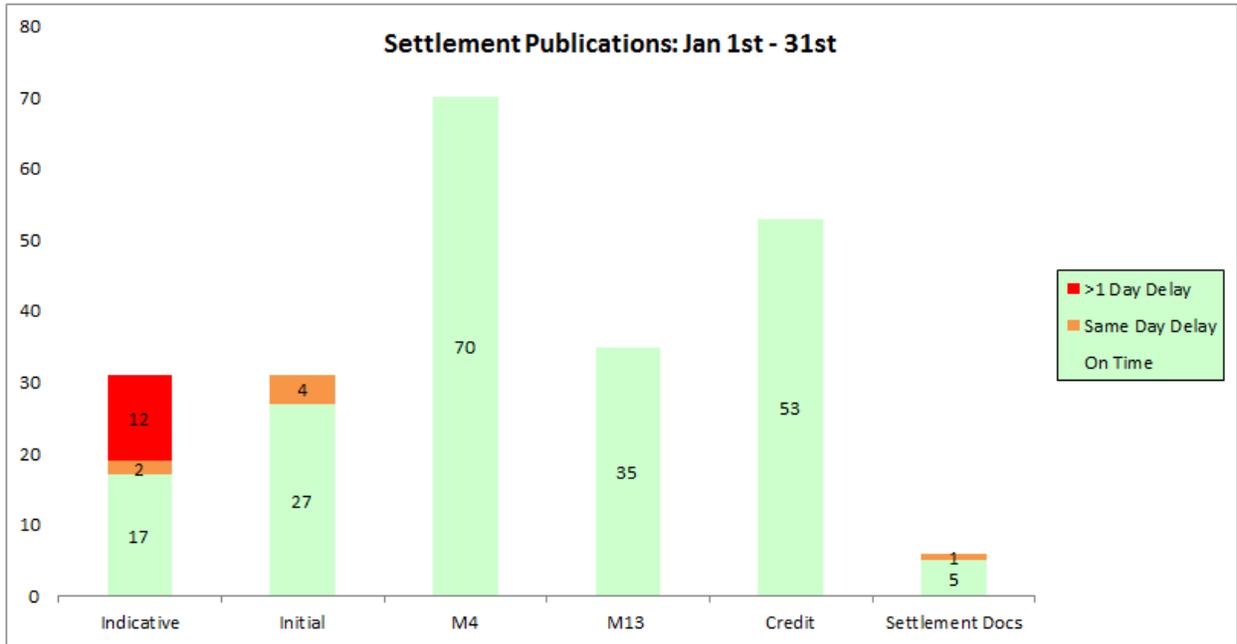


Figure 13 - Settlement Information January 2020*

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

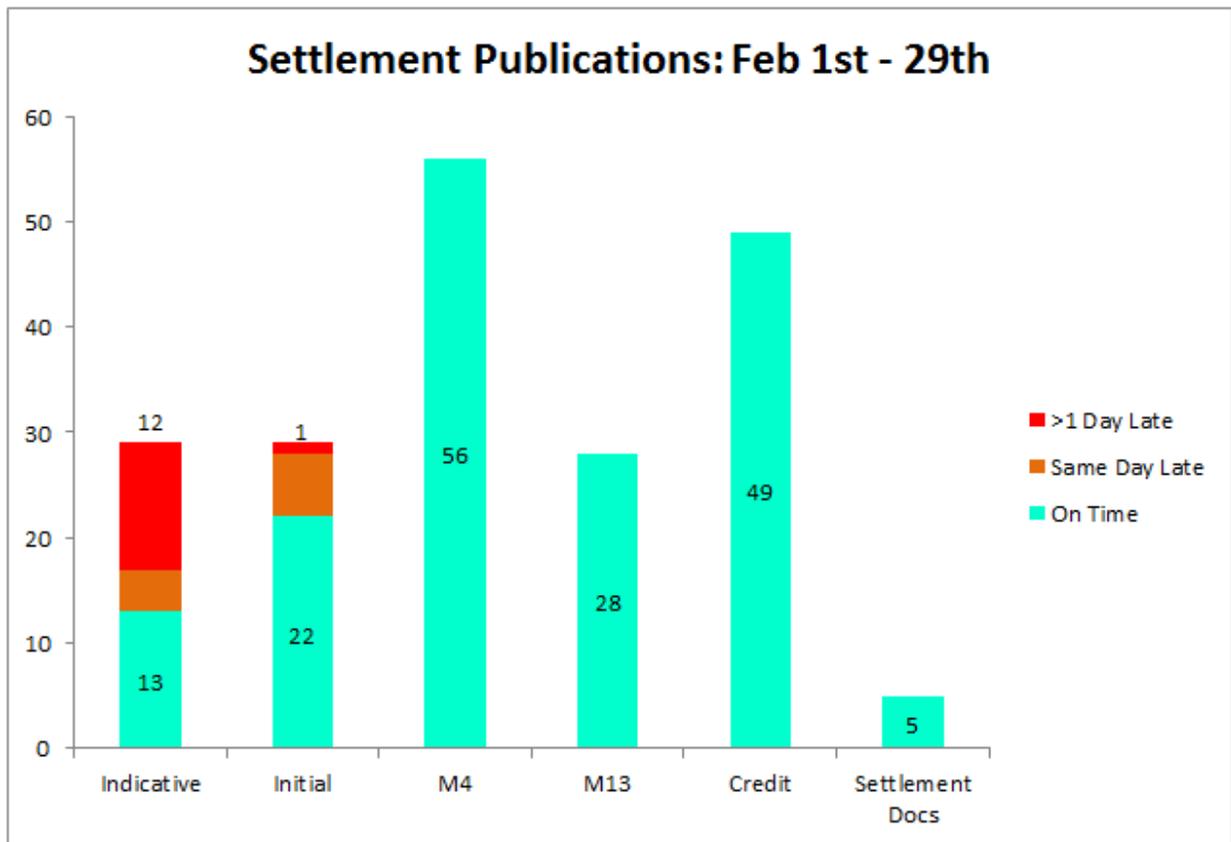


Figure 14 - Settlement Information February 2020

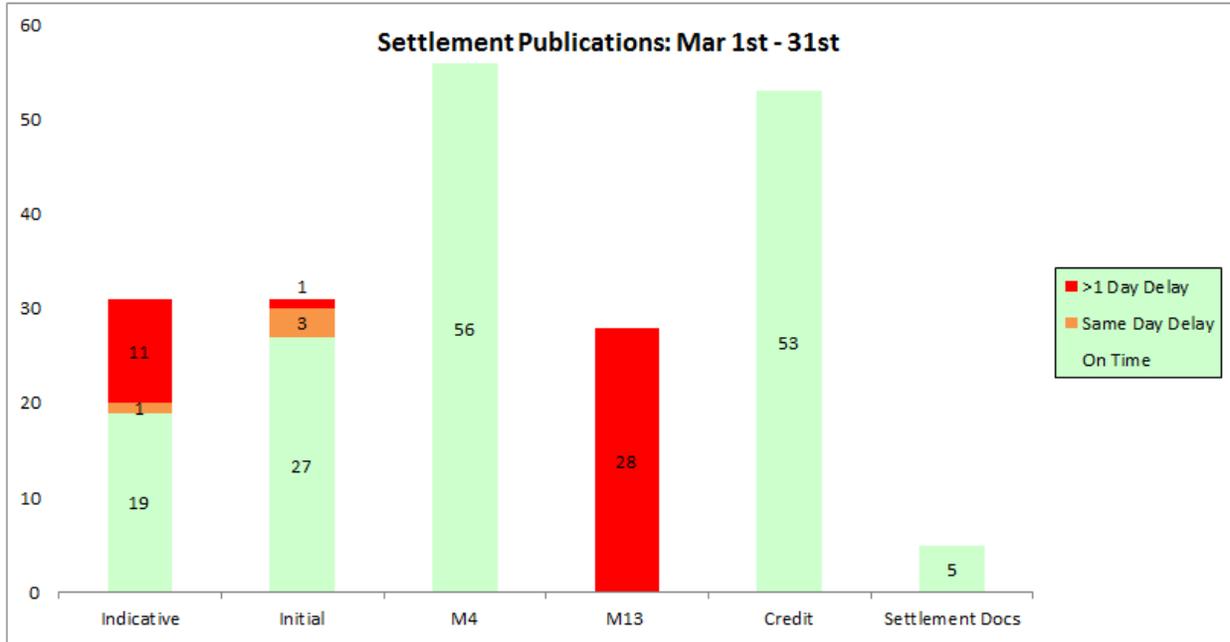


Figure 15 - Settlement Information March 2020

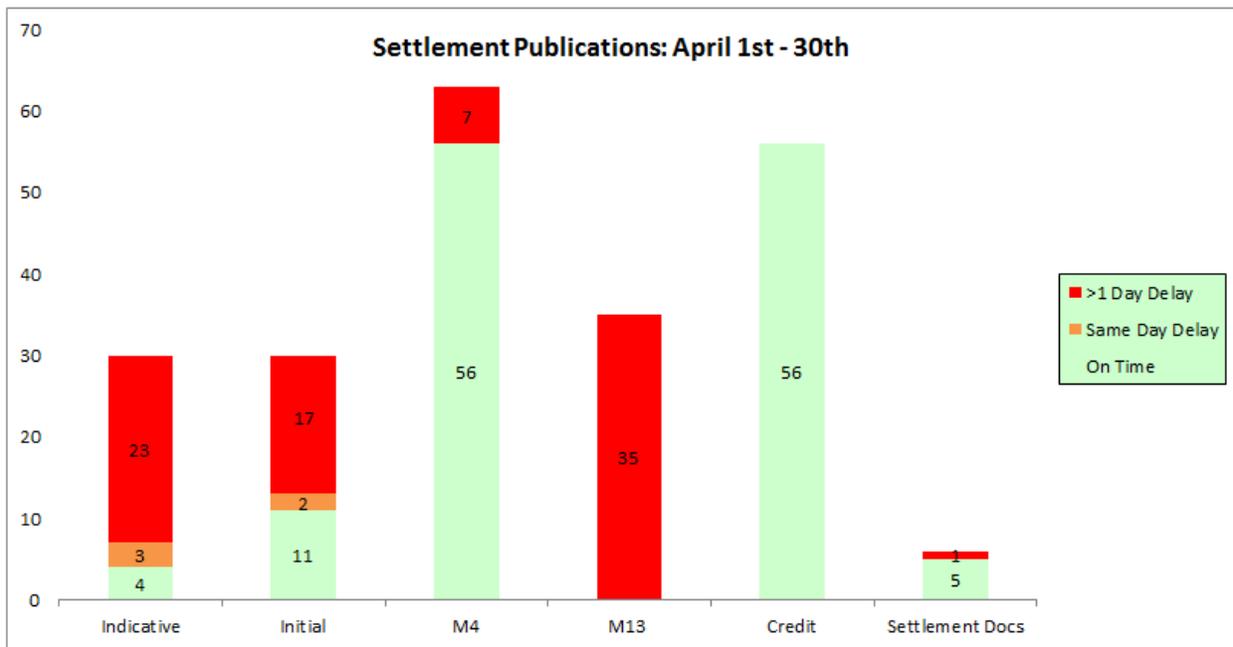


Figure 16 – Settlement Information April 2020

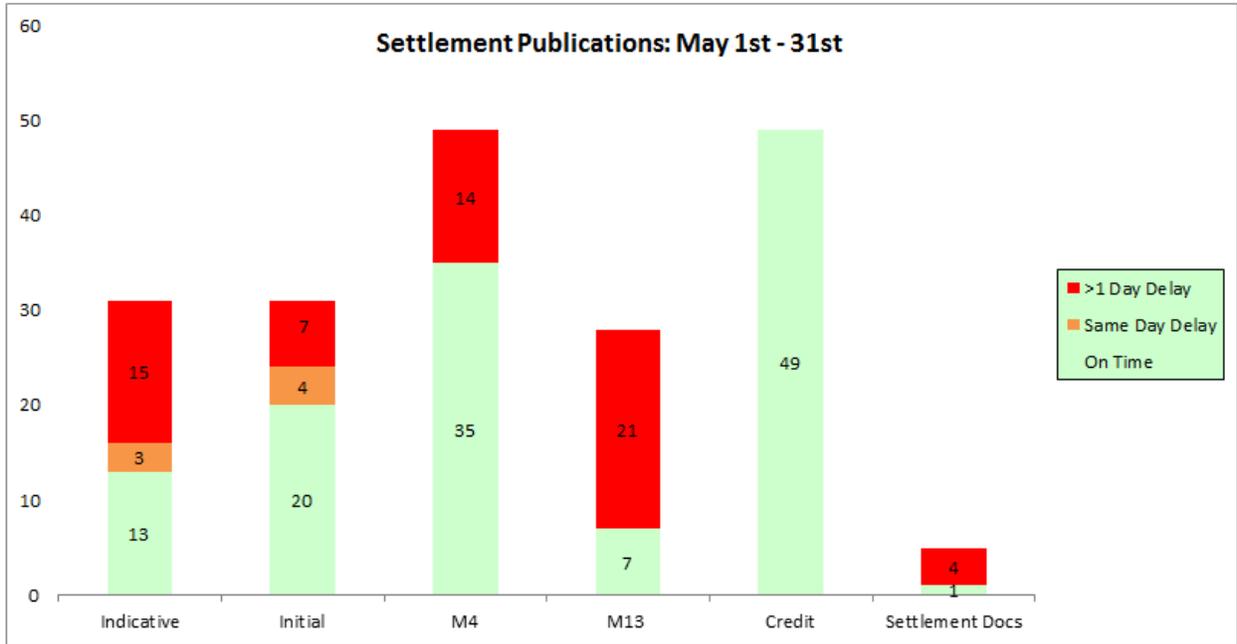


Figure 17 – Settlement Information May 2020

11 Appendix C: Settlement Publication Timings

Indicative Settlement

Operational Date	Market	Run	Period End Date	Target Date & Time	Publish Date & Time
05/05/2020	BALIMB	Indicative	01/05/2020	05/05/2020 17:00	06/05/2020 09:05
05/05/2020	BALIMB	Indicative	02/05/2020	05/05/2020 17:00	06/05/2020 12:06
05/05/2020	BALIMB	Indicative	03/05/2020	05/05/2020 17:00	06/05/2020 12:37
05/05/2020	BALIMB	Indicative	04/05/2020	05/05/2020 17:00	06/05/2020 12:42
06/05/2020	BALIMB	Indicative	05/05/2020	06/05/2020 17:00	07/05/2020 08:55
07/05/2020	BALIMB	Indicative	06/05/2020	07/05/2020 17:00	07/05/2020 16:52
11/05/2020	BALIMB	Indicative	07/05/2020	11/05/2020 17:00	15/05/2020 08:41
11/05/2020	BALIMB	Indicative	08/05/2020	11/05/2020 17:00	15/05/2020 09:08
11/05/2020	BALIMB	Indicative	09/05/2020	11/05/2020 17:00	15/05/2020 09:18
11/05/2020	BALIMB	Indicative	10/05/2020	11/05/2020 17:00	15/05/2020 10:28
12/05/2020	BALIMB	Indicative	11/05/2020	12/05/2020 17:00	18/05/2020 09:14
13/05/2020	BALIMB	Indicative	12/05/2020	13/05/2020 17:00	18/05/2020 09:25
14/05/2020	BALIMB	Indicative	13/05/2020	14/05/2020 17:00	18/05/2020 09:36
15/05/2020	BALIMB	Indicative	14/05/2020	15/05/2020 17:00	18/05/2020 09:53
18/05/2020	BALIMB	Indicative	15/05/2020	18/05/2020 17:00	18/05/2020 16:40
18/05/2020	BALIMB	Indicative	16/05/2020	18/05/2020 17:00	18/05/2020 17:21
18/05/2020	BALIMB	Indicative	17/05/2020	18/05/2020 17:00	18/05/2020 17:47
19/05/2020	BALIMB	Indicative	18/05/2020	19/05/2020 17:00	20/05/2020 14:12
20/05/2020	BALIMB	Indicative	19/05/2020	20/05/2020 17:00	20/05/2020 16:36
21/05/2020	BALIMB	Indicative	20/05/2020	21/05/2020 17:00	21/05/2020 16:47
22/05/2020	BALIMB	Indicative	21/05/2020	22/05/2020 17:00	22/05/2020 17:12
26/05/2020	BALIMB	Indicative	22/05/2020	26/05/2020 17:00	26/05/2020 16:01
26/05/2020	BALIMB	Indicative	23/05/2020	26/05/2020 17:00	26/05/2020 16:25
26/05/2020	BALIMB	Indicative	24/05/2020	26/05/2020 17:00	26/05/2020 16:48
26/05/2020	BALIMB	Indicative	25/05/2020	26/05/2020 17:00	27/05/2020 09:30
27/05/2020	BALIMB	Indicative	26/05/2020	27/05/2020 17:00	27/05/2020 16:23
28/05/2020	BALIMB	Indicative	27/05/2020	28/05/2020 17:00	28/05/2020 16:48
29/05/2020	BALIMB	Indicative	28/05/2020	29/05/2020 17:00	29/05/2020 16:19
02/06/2020	BALIMB	Indicative	29/05/2020	02/06/2020 17:00	02/06/2020 10:40
02/06/2020	BALIMB	Indicative	30/05/2020	02/06/2020 17:00	02/06/2020 10:49
02/06/2020	BALIMB	Indicative	31/05/2020	02/06/2020 17:00	02/06/2020 12:04

Table 24 – Indicative Settlement Publication times

Initial Settlement

Operational Date	Market	Run	Period End Date	Target Date & Time	Publish Date & Time
11/05/2020	BALIMB	Initial	01/05/2020	11/05/2020 12:00	11/05/2020 09:12
11/05/2020	BALIMB	Initial	02/05/2020	11/05/2020 12:00	11/05/2020 09:25
11/05/2020	BALIMB	Initial	03/05/2020	11/05/2020 12:00	11/05/2020 09:42
11/05/2020	BALIMB	Initial	04/05/2020	11/05/2020 12:00	15/05/2020 12:44
12/05/2020	BALIMB	Initial	05/05/2020	12/05/2020 12:00	15/05/2020 15:04
13/05/2020	BALIMB	Initial	06/05/2020	13/05/2020 12:00	15/05/2020 15:44
14/05/2020	BALIMB	Initial	07/05/2020	14/05/2020 12:00	15/05/2020 15:50
15/05/2020	BALIMB	Initial	08/05/2020	15/05/2020 12:00	18/05/2020 08:47
15/05/2020	BALIMB	Initial	09/05/2020	15/05/2020 12:00	18/05/2020 08:47
15/05/2020	BALIMB	Initial	10/05/2020	15/05/2020 12:00	18/05/2020 10:10
18/05/2020	BALIMB	Initial	11/05/2020	18/05/2020 12:00	18/05/2020 12:48
19/05/2020	BALIMB	Initial	12/05/2020	19/05/2020 12:00	19/05/2020 11:17
20/05/2020	BALIMB	Initial	13/05/2020	20/05/2020 12:00	20/05/2020 16:56
21/05/2020	BALIMB	Initial	14/05/2020	21/05/2020 12:00	21/05/2020 11:02
22/05/2020	BALIMB	Initial	15/05/2020	22/05/2020 12:00	21/05/2020 18:10
22/05/2020	BALIMB	Initial	16/05/2020	22/05/2020 12:00	21/05/2020 18:21
22/05/2020	BALIMB	Initial	17/05/2020	22/05/2020 12:00	22/05/2020 11:27
26/05/2020	BALIMB	Initial	18/05/2020	26/05/2020 12:00	26/05/2020 11:01
26/05/2020	BALIMB	Initial	19/05/2020	26/05/2020 12:00	26/05/2020 16:51
27/05/2020	BALIMB	Initial	20/05/2020	27/05/2020 12:00	27/05/2020 11:37
28/05/2020	BALIMB	Initial	21/05/2020	28/05/2020 12:00	28/05/2020 11:01
29/05/2020	BALIMB	Initial	22/05/2020	29/05/2020 12:00	29/05/2020 11:01
29/05/2020	BALIMB	Initial	23/05/2020	29/05/2020 12:00	29/05/2020 11:49
29/05/2020	BALIMB	Initial	24/05/2020	29/05/2020 12:00	29/05/2020 11:56
02/06/2020	BALIMB	Initial	25/05/2020	02/06/2020 12:00	02/06/2020 11:08
02/06/2020	BALIMB	Initial	26/05/2020	02/06/2020 12:00	02/06/2020 11:55
03/06/2020	BALIMB	Initial	27/05/2020	03/06/2020 12:00	03/06/2020 11:02
04/06/2020	BALIMB	Initial	28/05/2020	04/06/2020 12:00	04/06/2020 11:33
05/06/2020	BALIMB	Initial	29/05/2020	05/06/2020 12:00	05/06/2020 10:53
05/06/2020	BALIMB	Initial	30/05/2020	05/06/2020 12:00	05/06/2020 11:29
05/06/2020	BALIMB	Initial	31/05/2020	05/06/2020 12:00	05/06/2020 13:25

Table 25 – Initial Settlement Publication times

12 Appendix D: List of Queries by Type

Date Sent	Due Date	Query Ref No.	Charge Component
04/05/2020	03/06/2020	#1826	CCC
05/05/2020	03/06/2020	#1834	CCC
06/05/2020	04/06/2020	#1852	CCC
12/05/2020	10/06/2020	#1910	CCC
26/05/2020	24/06/2020	#2012	CDISCOUNT
05/05/2020	03/06/2020	#1830	CFC
05/05/2020	03/06/2020	#1831	CFC
05/05/2020	03/06/2020	#1832	CFC
05/05/2020	03/06/2020	#1833	CFC
22/05/2020	22/06/2020	#1997	CFC
04/05/2020	03/06/2020	#1827	CIMB
07/05/2020	05/06/2020	#1864	CIMB
07/05/2020	05/06/2020	#1868	CIMB
11/05/2020	09/06/2020	#1880	LF

Table 26 - Upheld Queries

Date Sent	Due Date	Query Ref No.	Charge Component
15/05/2020	15/06/2020	#1937	CIMB
18/05/2020	16/06/2020	#1941	CIMB
18/05/2020	16/06/2020	#1947	CIMB
19/05/2020	17/06/2020	#1955	CIMB
19/05/2020	17/06/2020	#1963	CIMB
20/05/2020	18/06/2020	#1969	CIMB
20/05/2020	18/06/2020	#1971	CIMB
21/05/2020	19/06/2020	#1979	CUNIMB
27/05/2020	25/06/2020	#2019	CDISCOUNT
27/05/2020	25/06/2020	#2020	CDIFFCWD
27/05/2020	25/06/2020	#2021	CAOPO

Table 27 - Unresolved Formal Queries