



Legacy SEM Market Operator Monthly Report

February 2019

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Executive Summary

The Legacy Single Electricity Market was in operation under its previous arrangements from the 1st November 2007 until the 30th September 2018. 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) report covers the month of operation of February 2019 regarding the Legacy Single Electricity Market and is published in accordance with the Single Electricity Market (SEM) Committee decision and Clause 2.144 of the Trading and Settlement Code.

During the month of February 2019, there was no late Credit Report publication as per the Trading and Settlement Code timelines.

There were 3 defaults by Participants during February 2019. The largest of these was an Energy Week 01 M+13 2018 invoice for €0.03 which was remedied on the same day.

There were no Credit Cover Increase defaults during February 2019 as per the Trading and Settlement code timelines.

54 general queries were received in February 2019. During the same period 54 general queries were resolved.

Formal queries continue to be answered well within the timelines stipulated in the Trading and Settlement Code.

Monthly Statistics

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 | | - | - |
| Market Participants | Pricing & Scheduling | - | - |
| | Settlement | - | - |
| | Funds Transfer | 3 | - |
| | Credit Risk Management | - | - |
| SEMO | Pricing & Scheduling | - | - |
| | Settlement | - | - |
| | Funds Transfer | - | - |
| | Credit Risk Management | - | - |
| | Other | - | - |
| Total | | 3 | - |

Table 1 – 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 invoices, default notices issued for non-payment or similar.
- Minor Breach - deadlines not met, but no financial implication to Participants. This includes late posting of pricing and settlement runs.

Financial Statistics

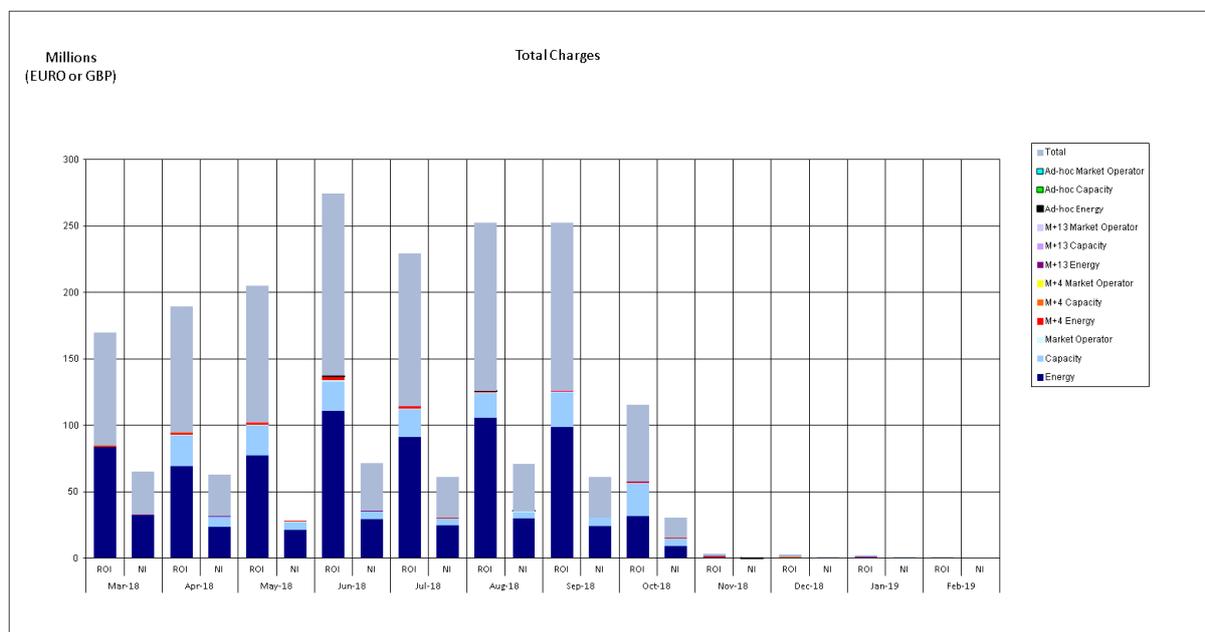


Figure 1 - Total Charges for Each Currency

| Market | Feb-19 | |
|------------------------|-----------------|----------------|
| | ROI | NI |
| Energy | €0 | £0 |
| Capacity | €0 | £0 |
| Market Operator | €0 | £0 |
| M+4 Energy | €13,836 | £8,561 |
| M+4 Capacity | €0 | £0 |
| M+4 Market Operator | €69 | £3 |
| M+13 Energy | €289,439 | £38,672 |
| M+13 Capacity | €81,327 | £15,274 |
| M+13 Market Operator | €1,783 | £245 |
| Ad-hoc Energy | €0 | £0 |
| Ad-hoc Capacity | €0 | £0 |
| Ad-hoc Market Operator | €0 | £0 |
| Total | €386,454 | £62,755 |

Table 2 - Total Charges for Each Currency

Notes relating to Table 2 and 3:

- Month of inclusion based on Invoice Date.

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- Amounts are after application of Settlement Reallocations.
- Previous month's data is available in [Appendix G](#).

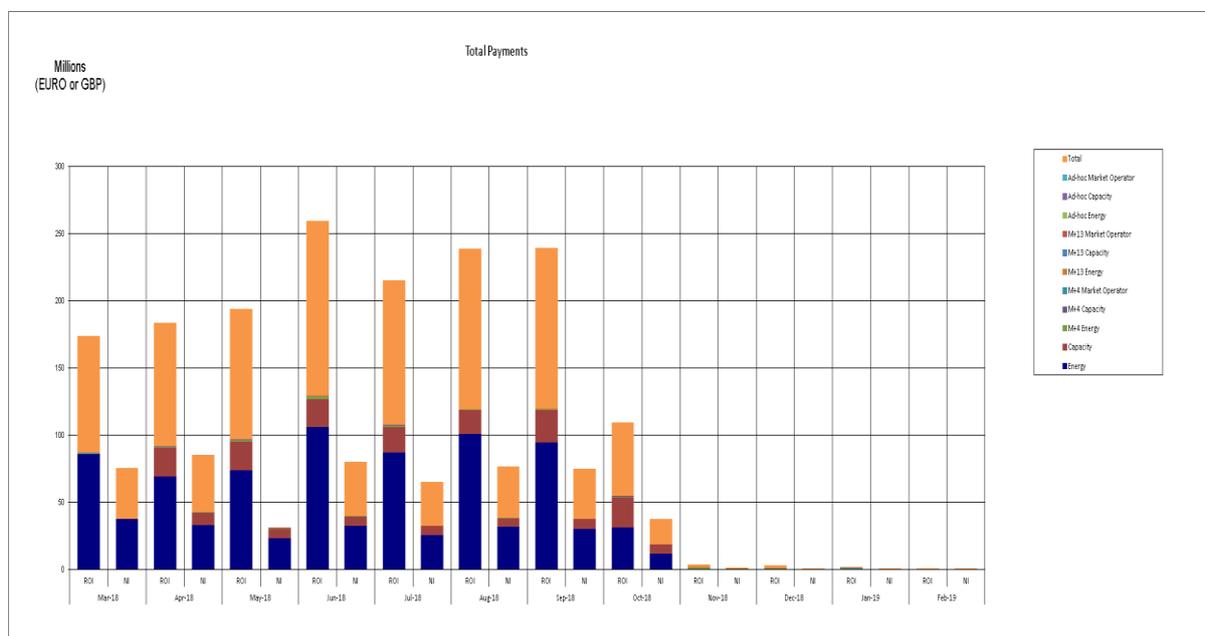


Figure 2 - Total Payments for Each Currency

| Market | Feb-19 | |
|------------------------|-----------------|----------------|
| | ROI | NI |
| Energy | €0 | £0 |
| Capacity | €0 | £0 |
| Market Operator | €0 | £0 |
| M+4 Energy | €13,361 | £6,884 |
| M+4 Capacity | €0 | £0 |
| M+4 Market Operator | €69 | £27 |
| M+13 Energy | €289,397 | £38,659 |
| M+13 Capacity | €81,399 | £15,295 |
| M+13 Market Operator | €1,783 | £245 |
| Ad-hoc Energy | €0 | £0 |
| Ad-hoc Capacity | €0 | £0 |
| Ad-hoc Market Operator | €0 | £0 |
| Total | €386,010 | £61,110 |

Table 3 - Total Payments for Each Currency

Total Currency Costs

Currency Costs for Initial Invoicing are now longer calculated in the SEM since Week 39 2018.

Financial Changes between Initial Settlement and Subsequent Reruns

The following graphs provide a breakdown of resettlement amounts for the M+13 period of January 2018 for Energy and Capacity.

3.1.1 Energy Market

Note: - For Figure 3, 4, net values are shown.

- Positive amounts indicate net additional payments by Participants (Charges).
- Negative amounts indicate net additional payment to be made to Participants (Payments).

The reverse is true for Figure 5

M+4 Resettlement

No longer required as part of legacy SEM wind down.

M+13 Resettlement

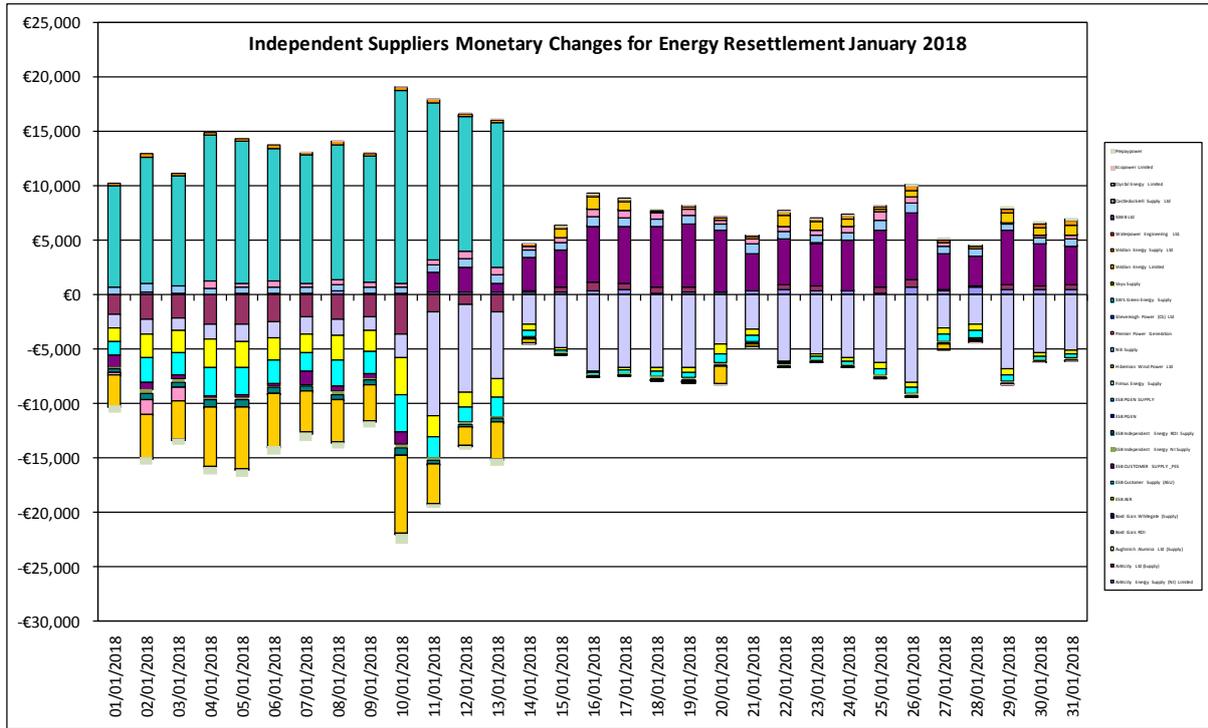


Figure 3 - Independent Suppliers Monetary Changes for Energy Resettlement – January 2018

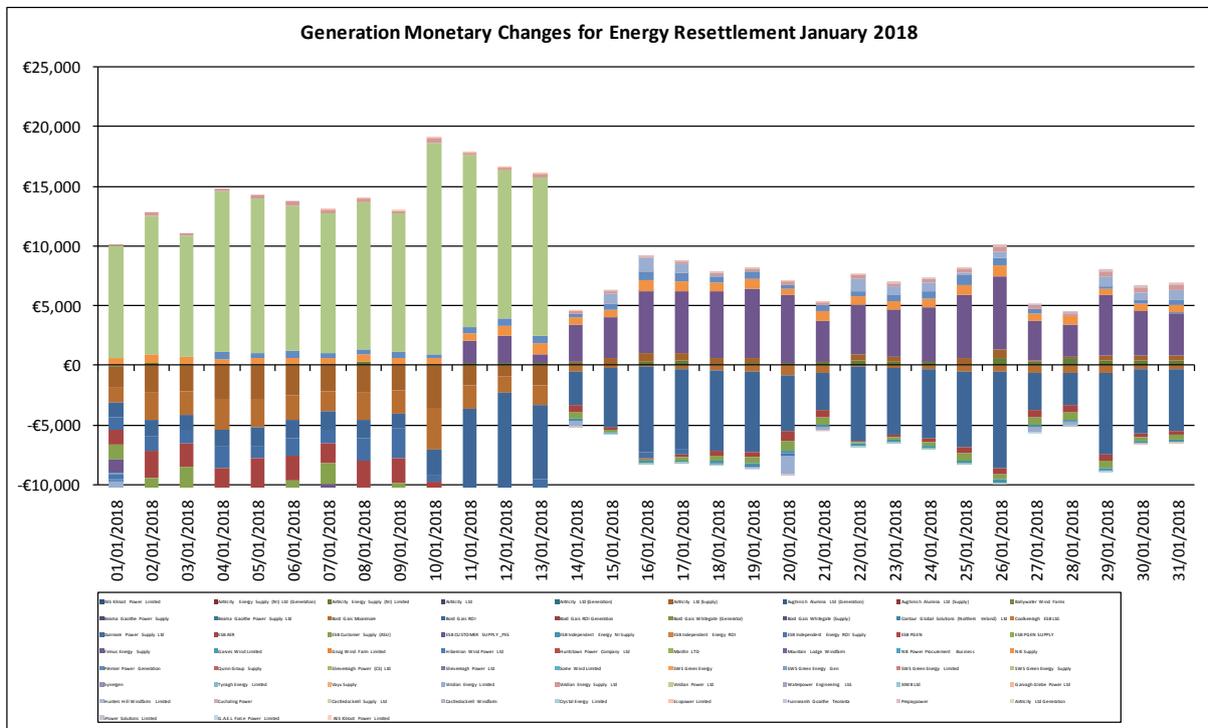


Figure 4 - Generation Monetary Changes for Energy Resettlement – January 2018

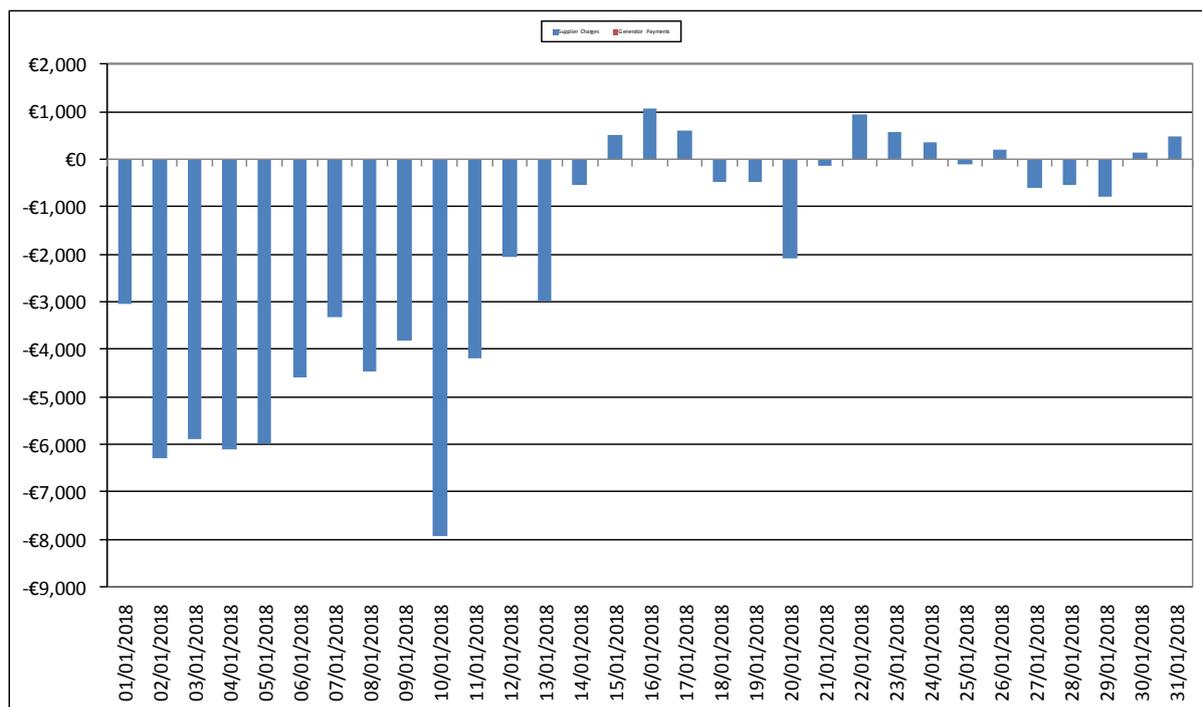


Figure 5 - Total Monetary Changes for Energy Resettlement – January 2018

3.1.2 Capacity Market

Note: - For Figure 8 net values are shown.

- Positive amounts indicate net additional payments by Participants (Charges).
- Negative amounts indicate net additional payment to be made to Participants (Payments)

The reverse is true for Figure 6.

The changes in Capacity are graphed below showing the variance in monetary terms as opposed to percentage terms. As the Jurisdictional Error Supply Units can be significantly affected by resettlement, this is more reflective of the monetary redistribution in M+4 and M+13. Please also note that as of June 2011 the Jurisdictional Error Supply Unit (ROI) is now a Retail Supply unit. The Jurisdictional Error Supply Unit (NI) is unchanged.

M+4 Resettlement

No longer required as part of legacy SEM wind down.

M+13 Resettlement

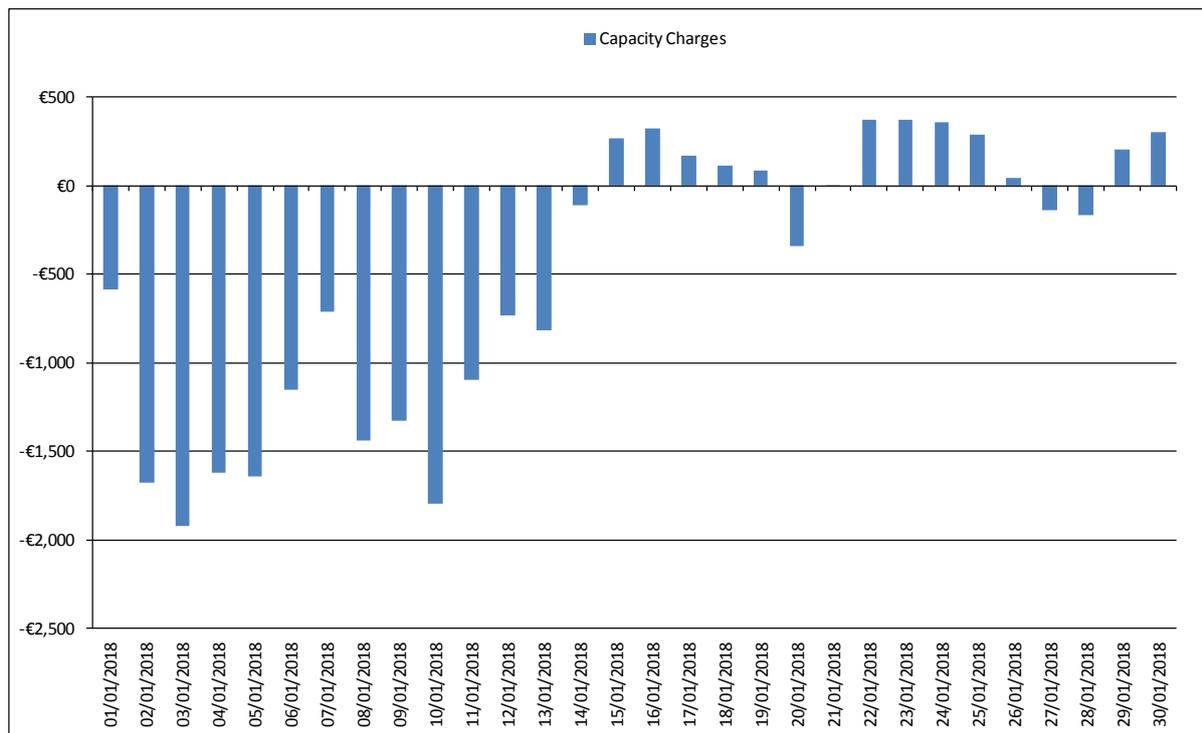


Figure 6 - Independent Suppliers Monetary Changes for Capacity Resettlement – January 2018

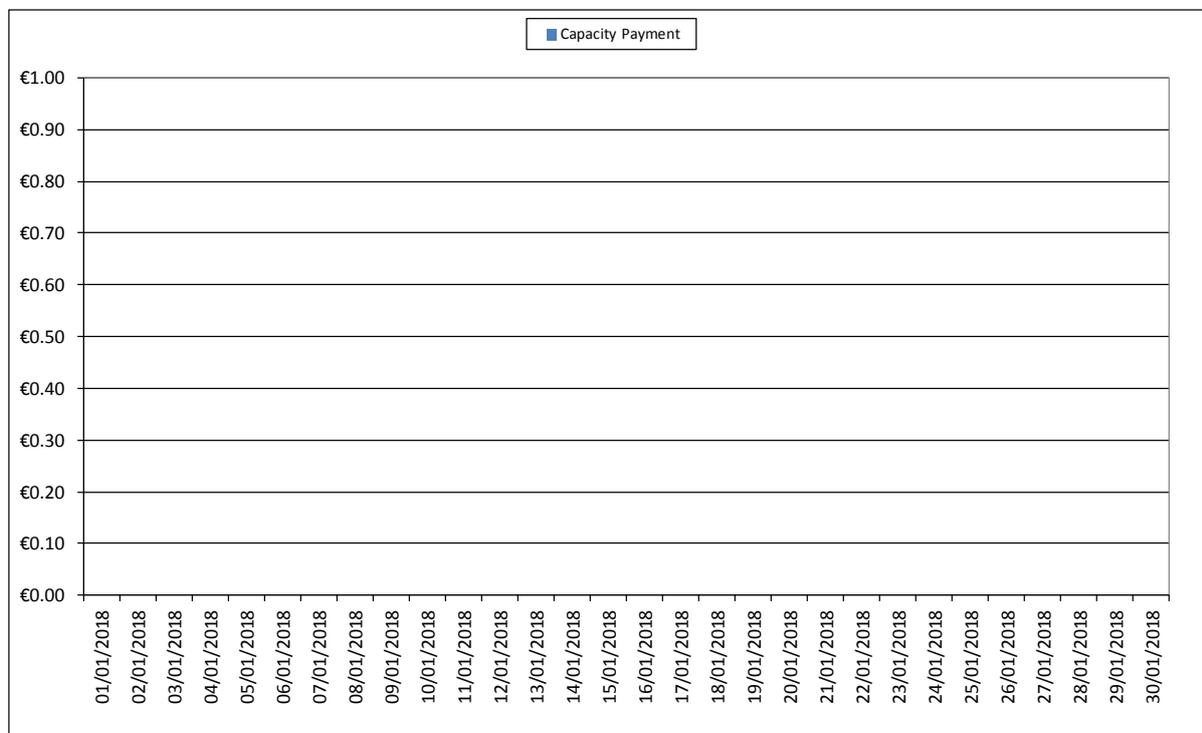


Figure 7 – All Generation Monetary Change for Capacity Resettlement – January 2018

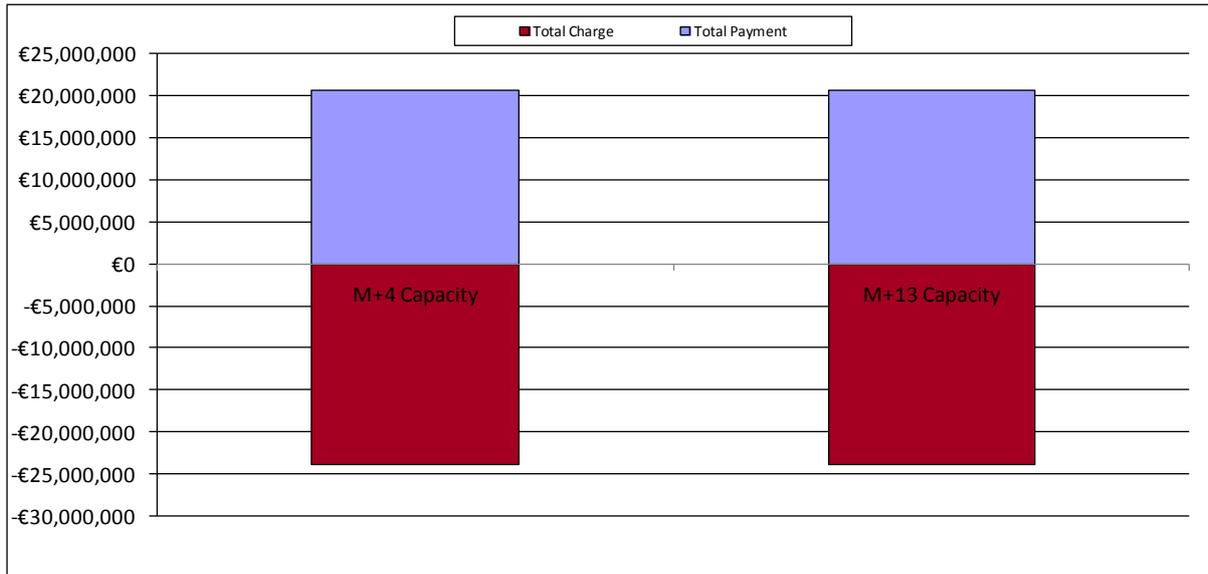


Figure 8 - Comparison of Distribution of Monetary Amounts between M+4 Capacity Resettlement and M+13 Capacity Resettlement – January 2018.

Helpdesk Call Statistics

The statistics presented in Table 4 - Helpdesk Call Statistics covers the month of February 2019

Market Helpdesk Report: 01/02/19 to 28/02/19

| | Received | Resolved within the period | Not Resolved | Resolved in the period | Resolution Time (Working Days) | Resolved On Time |
|----------------------|-----------|----------------------------|--------------|------------------------|--------------------------------|------------------|
| Normal | 54 | 44 | 10 | 54 | 0.82 | 52 |
| Important | 1 | 1 | 0 | 1 | 0.03 | 1 |
| Urgent | 0 | 0 | 0 | 0 | 0.00 | 0 |
| Settlement | 1 | 0 | 1 | 0 | 0.00 | 0 |
| Credit | 0 | 0 | 0 | 0 | 0.00 | 0 |
| Dispute | 0 | 0 | 0 | 1 | 46.23 | 0 |
| Data | 0 | 0 | 0 | 0 | 0.00 | 0 |
| Total/Average | 56 | 45 | 11 | 56 | 9.42 | 53 |

Table 4 – Helpdesk Statistics

Definitions:

- Resolved within the Period refers to queries raised and resolved within the calendar month of February 2019.
- Resolved in the Period refers to queries resolved within February 2019, and includes queries raised before this time.
- Resolution Time (Working Days) refers to average time to resolve, in working days, for this category of query. It is calculated based on all queries for the category, not just February 2019.
- Not Resolved refers to queries raised but not resolved within February 2019.
- Urgent are general queries which may have an impact on market operations. SEMO has an internal objective to resolve these within 3 working days; however, this is not a mandated service level under the Trading and Settlement Code.
- Disputes are where a dispute has been raised over the outcome of a data or settlement query.

The average resolution time for General Queries has decreased by 0.22 working days from 1.04 in January 2019 to 0.82 in February 2019. SEMO has a metric to resolve General Queries within 20 Working Days. These include queries received over the phone and e-mail.

Data and Settlement Queries generally continue to be responded to within the timelines required by the Trading and Settlement Code, i.e. one calendar month. One Formal Query timeline extensions were required during February 2019 with regard to formal Settlement Queries.

Disputes and Queries

5.1.1 Disputes

No Settlement Disputes were raised during the month of February 2019.

| Topic | Number Of Queries |
|-------|-------------------|
| | |

Table 5– Upheld Dispute Queries by Topic

5.1.2 Data Queries

There were no formal data queries received during the month of February 2019.

| Topic | Number Of Queries |
|-------|-------------------|
| | |

Table 6– Upheld Data Queries by Topic

5.1.3 Settlement Queries

There was one formal query received, which was not upheld.

| Topic | Number Of Queries |
|-------|-------------------|
| | |

Table 7 – Upheld Settlement Queries by Topic

- **Unresolved Queries**

There are no unresolved SEM Settlement Queries as of the 15th March 2019.

Central Systems

6.1 List of System Errors and Re-runs

Details are provided in [Appendix C](#): List of All Systems Errors and Failures

6.1.1 Re-Pricing / Resettlement Runs

There were no Ad hoc Re-Settlement run carried out in February 2019.

6.1.2 System Errors

There were no Market Application defects found in February 2019.

Details are provided in [Appendix C](#): List of All Systems Errors and Failures

Occasional Components

7.1 Disaster Recovery/Business Continuity Tests

There were no scheduled Business Continuity tests performed during February 2019.

7.2 Communications or Systems Failures

There were on communication failures during February 2019.

7.3 Denial of Service Attacks

There was no Denial of Service Attacks during February 2019.

Appendix A: Detail of Trading and Settlement Code Breaches

Data Provider

There were no breaches to report in February 2019.

Market Participant

| Ops Date Identified | Run Type | Quality of Timing | Party | Issue Type | Description | Cause | Resolution | T and SC Breach |
|---------------------|----------|-------------------|-------------|-----------------|--|-------------------|---|-----------------|
| 13/02/2019 | Money In | Timing | Participant | Payment Default | Gurteen Energy Supply (PT_400187) defaulted on an Energy Week 01 M+13 2018 | Participant Error | A default letter was issued to the Participant. | Major |
| 13/02/2019 | Money In | Timing | Participant | Payment Default | Trailstone GMBH (PT_400188) defaulted on an Energy Week 1 M+13 2018 (EURO) & Energy Week 1 M+13 2018 (GBP) | Participant Error | A default letter was issued to the Participant. | Major |
| 13/02/2019 | Money In | Timing | Participant | Payment Default | Lightfield Limited (PT_400201) defaulted on a Energy Week 01 M+13 2018 | Participant Error | A default letter was issued to the Participant. | Major |

Table 8 – Trading and Settlement Code Breaches – Market Participants

SEMO – Settlements

There were no breaches to report in February 2019.

SEMO - Pricing and Scheduling

There were no breaches to report in February 2019.

SEMO - Funds Transfer

There were no breaches to report in February 2019.

SEMO - Credit Management

There were no breaches to report in February 2019.

SEMO – Other

There were no breaches to report in February 2019.

Appendix B: List of Queries by Type

| Summary Title | Description | ID | Logged On | Type |
|---------------|---|----------|------------|------------|
| Exchange Rate | We believe the incorrect Exchange Rate has been applied to the calculation of statements for the trading date 30/09/2018. With the move the line up exchange rates with ISEM, we believe the incorrect exchange rate was used in the calculations of Energy, Imperfection and VMO statements for 30/09/2018 for all participants. We have used the published exchange rate of 0.8921 | F0082835 | 2019-02-01 | Settlement |

Appendix C: List of All System Errors and Failures

The definitions of the statuses used for the List of All System Errors and Failures are:

- In Progress: Fix being identified and implemented.
- Resolved: Fix has been implemented, but reruns have not been performed.
- Closed: Required reruns have been performed and error-failure has been completely rectified.

Note: Items in the List of All System Errors and Failures that have status 'Closed' in this month's report will not appear in subsequent Monthly Market Operator Reports as they are no longer open issues.

There were no Market Application defects found in February 2019.

| Issue No. | Description | Effect | Fixed from | Re-Pricing | Resettlement | Status |
|-----------|-------------|--------|------------|------------|--------------|--------|
| - | - | - | - | - | - | - |

Table 9 - List of System Errors and Failures

Appendix D: Details of Operational Timings

No longer required as part of legacy SEM wind down.

Appendix E: Imperfections Charge

No longer required as part of legacy SEM wind down.

Appendix F: Default Commercial Offer Data Used

No longer required as part of legacy SEM wind down.

Appendix G: Total Charges and Payments Data

The tables below list historical values for Total Charges and Total Payments in the SEM by month and currency since start of the SEM.

- Month of inclusion based on invoice date.
- Amounts are after application of Settlement Reallocation.

Table 10 – Total Charges by Month

| Market | | Energy | Capacity | Market Operator | M+4 Energy | M+4 Capacity | M+4 Market Operator | M+13 Energy | M+13 Capacity | M+13 Market Operator | Ad-hoc Energy | Ad-hoc Capacity | Ad-hoc Market Operator | Total |
|--------|-----|-----------------|----------------|-----------------|-------------|--------------|---------------------|-------------|---------------|----------------------|---------------|-----------------|------------------------|----------------|
| Sep-17 | ROI | £74,262,007.43 | £18,246,287.18 | £871,978.12 | £297,529.91 | £58,164.04 | £2,322.12 | £47,978.01 | £13,495.87 | £504.35 | £163,227.43 | £0.00 | £0.00 | 93,963,494.46 |
| | NI | £26,213,019.19 | £5,128,326.58 | £230,350.58 | £81,360.23 | £23,139.40 | £499.97 | £13,331.20 | £6,511.87 | £297.83 | £140,679.45 | £0.00 | £0.00 | 31,837,516.30 |
| Oct-17 | ROI | £64,383,218.39 | £18,184,490.56 | £721,054.00 | £289,078.01 | £109,973.68 | £2,586.90 | £32,785.64 | £11,166.82 | £447.56 | £0.00 | £0.00 | £0.00 | 83,734,801.56 |
| | NI | £18,177,387.18 | £5,365,068.45 | £188,849.52 | £78,539.81 | £23,503.63 | £650.99 | £10,931.60 | £2,877.72 | £134.29 | £0.00 | £0.00 | £0.00 | 23,847,943.19 |
| Nov-17 | ROI | £83,791,449 | £24,787,352 | £781,890 | £413,698 | £113,547 | £3,295 | £122,794 | £33,971 | £718 | £458,369 | £6,145 | £6,145 | £110,519,371 |
| | NI | £22,118,497 | £6,651,371 | £204,783 | £141,841 | £56,639 | £1,085 | £61,621 | £21,195 | £400 | £705 | £2,550 | £2,550 | £29,263,237 |
| Dec-17 | ROI | £108,724,596.96 | £30,213,314.37 | £1,032,089.87 | £386,043.20 | £61,761.35 | £2,747.14 | £91,579.26 | £20,859.90 | £558.92 | £354,184.96 | £196,828.99 | £196,828.99 | 141,281,393.91 |
| | NI | £35,009,530.01 | £7,435,318.60 | £270,080.16 | £180,156.15 | £72,189.79 | £1,323.93 | £45,368.58 | £11,660.54 | £288.42 | £58,353.41 | £11,091.72 | £11,091.72 | 43,106,453.03 |
| Jan-18 | ROI | £66,824,387.64 | £31,236,649.01 | £796,356.35 | £272,646.34 | £136,640.90 | £1,965.48 | £56,253.29 | £18,996.49 | £347.05 | £320.44 | £2,955.28 | £2,955.28 | 99,350,473.55 |
| | NI | £21,801,403.00 | £8,153,351.60 | £211,139.18 | £105,764.72 | £76,139.37 | £734.71 | £22,938.26 | £7,983.39 | £150.76 | £275,137.08 | £85,908.52 | £85,908.52 | 30,826,559.11 |
| Feb-18 | ROI | £73,894,145.46 | £29,049,213.63 | £821,611.24 | £239,608.70 | £442,118.67 | £1,727.82 | £34,763.85 | £73,083.63 | £225.56 | £0.00 | £0.00 | £0.00 | 104,556,498.56 |
| | NI | £23,559,299.88 | £8,534,268.31 | £214,366.57 | £214,152.33 | £80,930.26 | £1,369.32 | £27,935.49 | £69,821.89 | £160.29 | £0.00 | £0.00 | £0.00 | 32,702,304.34 |
| Mar-18 | ROI | £83,664,309 | £0 | £194,992 | £674,215 | £284,390 | £3,439 | £95,181 | £158,339 | £583 | £0 | £0 | £0 | £85,075,447 |
| | NI | £32,334,060 | £0 | £50,052 | £163,160 | £102,559 | £899 | £50,645 | £71,098 | £380 | £0 | £0 | £0 | £32,772,854 |
| Apr-18 | ROI | £69,317,323 | £23,231,814 | £783,294 | £970,456 | £256,503 | £5,627 | £71,337 | £267,758 | £516 | £0 | £0 | £0 | £94,904,628 |
| | NI | £23,659,859 | £7,429,700 | £190,874 | £151,575 | £33,802 | £816 | £72,822 | £115,446 | £533 | £0 | £0 | £0 | £31,655,427 |
| May-18 | ROI | £77,304,833 | £22,485,464 | £739,608 | £1,395,991 | £384,788 | £8,896 | £89,490 | £221,592 | £645 | £0 | £0 | £0 | £102,631,308 |
| | NI | £21,411,034 | £6,005,961 | £181,189 | £109,484 | £23,056 | £674 | £114,249 | £62,751 | £823 | £0 | £0 | £0 | £27,909,222 |
| Jun-18 | ROI | £110,729,885 | £22,412,350 | £892,166 | £2,294,801 | £444,742 | £12,880 | £101,002 | £74,247 | £805 | £417,974 | £0 | £0 | £137,380,852 |
| | NI | £29,772,183 | £5,362,582 | £213,124 | £111,573 | £27,385 | £607 | £183,273 | £95,348 | £1,350 | £16 | £0 | £0 | £35,767,439 |
| Jul-18 | ROI | £91,566,909 | £20,553,253 | £732,984 | £1,335,293 | £324,878 | £6,367 | £47,651 | £89,704 | £431 | £0 | £0 | £0 | £114,657,469 |
| | NI | £24,824,845 | £5,305,704 | £169,676 | £164,048 | £26,544 | £654 | £124,634 | £100,028 | £1,063 | £0 | £0 | £0 | £30,717,196 |
| Aug-18 | ROI | £105,558,500 | £18,695,229 | £882,539 | £559,068 | £165,878 | £3,317 | £48,971 | £87,850 | £370 | £206,636 | £0 | £0 | £126,208,357 |
| | NI | £29,846,140 | £5,022,974 | £217,086 | £248,040 | £37,238 | £1,329 | £10,253 | £31,064 | £85 | £5,825 | £0 | £0 | £35,420,033 |
| Sep-18 | ROI | £99,146,293 | £25,829,272 | £731,194 | £468,008 | £88,260 | £2,304 | £34,658 | £89,979 | £269 | £0 | £0 | £0 | £126,390,237 |
| | NI | £24,452,280 | £5,983,336 | £181,019 | £68,235 | £13,992 | £365 | £18,637 | £6,470 | £53 | £0 | £0 | £0 | £30,724,387 |
| Oct-18 | ROI | £31,530,401 | £24,300,026 | £595,030 | £865,326 | £183,408 | £4,241 | £148,617 | £39,733 | £1,136 | £0 | £0 | £0 | £57,667,916 |
| | NI | £9,455,756 | £5,693,202 | £150,691 | £108,258 | £35,783 | £1,126 | £8,612 | £2,164 | £108 | £0 | £0 | £0 | £15,455,699 |
| Nov-18 | ROI | £0 | £0 | £0 | £1,160,011 | £185,595 | £6,269 | £312,981 | £78,711 | £1,598 | £31 | £0 | £0 | £1,745,196 |
| | NI | £0 | £0 | £0 | £333,889 | £67,914 | £1,675 | £86,421 | £34,554 | £589 | £82,261 | £0 | £0 | £607,304 |
| Dec-18 | ROI | £0 | £0 | £0 | £806,243 | £170,047 | £6,269 | £312,981 | £78,711 | £1,598 | £0 | £0 | £0 | £1,375,850 |
| | NI | £0 | £0 | £0 | £248,530 | £72,567 | £1,675 | £71,305 | £21,025 | £589 | £0 | £0 | £0 | £415,692 |
| Jan-19 | ROI | £0 | £0 | £0 | £13,836 | £0 | £69 | £289,439 | £81,327 | £1,783 | £0 | £0 | £0 | £386,454 |
| | NI | £0 | £0 | £0 | £8,561 | £0 | £3 | £38,672 | £15,274 | £245 | £0 | £0 | £0 | £62,755 |
| Feb-19 | ROI | £0 | £0 | £0 | £13,836 | £0 | £69 | £289,439 | £81,327 | £1,783 | £0 | £0 | £0 | £386,454 |
| | NI | £0 | £0 | £0 | £8,561 | £0 | £3 | £38,672 | £15,274 | £245 | £0 | £0 | £0 | £62,755 |

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| Market | | Energy | Capacity | M+4 Energy | M+4 Capacity | M+4 Market Operator | M+13 Energy | M+13 Capacity | M+13 Market Operator | Ad-hoc Energy | Ad-hoc Capacity | Ad-hoc Market Operator | Total |
|--------|-----|-----------------|----------------|-------------|--------------|---------------------|-------------|---------------|----------------------|---------------|-----------------|------------------------|-----------------|
| Sep-17 | ROI | £77,198,039.75 | £16,935,824.39 | £297,316.08 | £58,064.10 | £2,315.75 | £36,227.08 | £14,579.25 | £480.13 | £329,748.86 | £0.00 | £736.80 | £94,873,332.19 |
| | NI | £29,090,989.44 | £6,342,522.98 | £81,307.50 | £23,116.39 | £615.25 | £24,625.76 | £5,539.12 | £177.97 | £254,051.02 | £0.00 | £4.28 | £35,822,949.71 |
| Oct-17 | ROI | £66,627,076.69 | £17,573,435.30 | £979,168.29 | £109,325.13 | £2,586.81 | £91,769.76 | £11,103.25 | £435.24 | £0.00 | £0.00 | £0.00 | £84,734,900.47 |
| | NI | £22,549,009.87 | £5,897,549.80 | £79,103.03 | £24,197.26 | £648.45 | £10,935.82 | £2,957.83 | £134.12 | £0.00 | £0.00 | £0.00 | £28,564,536.18 |
| Nov-17 | ROI | £83,230,541 | £23,930,421 | £473,719 | £114,595 | £3,363 | £122,843 | £33,951 | £718 | £645,100 | £4,985 | £800 | £108,561,035 |
| | NI | £25,746,600 | £7,365,655 | £145,319 | £55,530 | £1,080 | £61,622 | £21,196 | £399 | £274 | £3,545 | £0 | £33,401,221 |
| Dec-17 | ROI | £106,835,064.33 | £27,957,453.42 | £397,100.73 | £98,040.58 | £2,984.78 | £91,151.49 | £20,818.71 | £556.31 | £336,745.88 | £173,793.95 | £644.35 | £135,914,354.53 |
| | NI | £37,790,994.99 | £9,466,911.04 | £181,354.27 | £40,293.46 | £1,305.84 | £45,734.51 | £11,769.44 | £290.16 | £57,624.89 | £31,404.66 | £288.16 | £47,627,971.42 |
| Jan-18 | ROI | £66,556,846.79 | £30,184,516.90 | £264,692.47 | £140,421.82 | £600.74 | £56,245.08 | £18,749.58 | £346.74 | £37.23 | £16,333.45 | £0.00 | £97,238,790.80 |
| | NI | £24,598,645.75 | £9,075,819.96 | £105,487.86 | £72,782.55 | £685.44 | £22,940.69 | £8,209.56 | £150.74 | £270,100.11 | £74,414.80 | £1,311.93 | £34,230,549.39 |
| Feb-18 | ROI | £73,649,373.32 | £28,234,770.33 | £241,672.56 | £232,622.38 | £1,496.49 | £33,903.63 | £90,769.95 | £220.04 | £0.00 | £0.00 | £0.00 | £102,484,828.70 |
| | NI | £26,522,258.99 | £9,276,145.07 | £211,340.35 | £267,052.17 | £1,368.55 | £28,772.37 | £54,122.68 | £164.70 | £0.00 | £0.00 | £0.00 | £36,361,224.88 |
| Mar-18 | ROI | £85,513,434 | £0 | £691,820 | £303,976 | £3,238 | £94,253 | £188,330 | £578 | £0 | £0 | £0 | £86,795,628 |
| | NI | £37,437,280 | £0 | £170,090 | £85,702 | £898 | £51,265 | £45,028 | £384 | £0 | £0 | £0 | £37,790,647 |
| Apr-18 | ROI | £69,267,924 | £20,860,692 | £945,469 | £237,063 | £3,887 | £193,101 | £310,897 | £516 | £0 | £0 | £0 | £91,819,549 |
| | NI | £32,845,010 | £9,450,019 | £150,560 | £50,635 | £818 | £72,832 | £77,370 | £533 | £0 | £0 | £0 | £42,647,777 |
| May-18 | ROI | £73,986,199 | £21,003,133 | £1,333,265 | £344,914 | £4,639 | £89,323 | £138,550 | £645 | £0 | £0 | £0 | £96,900,668 |
| | NI | £23,049,174 | £7,260,826 | £111,164 | £58,347 | £686 | £114,206 | £136,262 | £823 | £0 | £0 | £0 | £30,731,488 |
| Jun-18 | ROI | £106,186,794 | £20,271,690 | £2,266,420 | £404,741 | £6,062 | £101,282 | £80,377 | £791 | £394,961 | £0 | £884 | £129,714,001 |
| | NI | £32,258,574 | £7,261,868 | £115,238 | £62,628 | £627 | £183,374 | £89,625 | £1,350 | £852 | £0 | £2 | £39,974,138 |
| Jul-18 | ROI | £86,768,139 | £19,045,125 | £1,383,691 | £307,142 | £4,724 | £47,761 | £123,685 | £431 | £0 | £0 | £0 | £107,680,698 |
| | NI | £25,508,813 | £6,579,825 | £161,500 | £42,347 | £738 | £124,667 | £69,402 | £1,063 | £0 | £0 | £0 | £32,488,356 |
| Aug-18 | ROI | £101,015,744 | £17,337,990 | £549,108 | £161,828 | £2,583 | £49,204 | £91,882 | £311 | £145,525 | £0 | £0 | £119,354,176 |
| | NI | £31,815,843 | £6,244,149 | £243,991 | £41,050 | £1,252 | £10,283 | £27,631 | £85 | £7,589 | £0 | £0 | £38,391,874 |
| Sep-18 | ROI | £94,348,675 | £24,483,726 | £469,838 | £87,398 | £2,373 | £34,655 | £85,446 | £269 | £0 | £0 | £0 | £119,512,381 |
| | NI | £30,233,883 | £7,164,947 | £67,373 | £14,752 | £295 | £6,469 | £22,731 | £53 | £0 | £0 | £0 | £37,510,502 |
| Oct-18 | ROI | £30,964,136 | £22,562,931 | £878,875 | £189,837 | £5,160 | £148,618 | £39,721 | £1,133 | £0 | £0 | £0 | £54,790,411 |
| | NI | £11,418,621 | £7,231,162 | £107,709 | £30,084 | £1,123 | £8,612 | £2,161 | £110 | £0 | £0 | £0 | £18,799,581 |
| Nov-18 | ROI | £0 | £0 | £1,157,683 | £185,071 | £6,166 | £320,379 | £79,187 | £2,118 | £2,649 | £0 | £8 | £1,753,261 |
| | NI | £0 | £0 | £333,518 | £67,787 | £1,659 | £86,279 | £34,163 | £589 | £38,925 | £0 | £155 | £563,074 |
| Dec-18 | ROI | £0 | £0 | £806,949 | £170,134 | £6,166 | £328,215 | £88,275 | £1,873 | £0 | £0 | £0 | £1,401,613 |
| | NI | £0 | £0 | £248,726 | £67,787 | £1,659 | £71,328 | £21,036 | £407 | £0 | £0 | £0 | £410,943 |
| Jan-19 | ROI | £0 | £0 | £13,361 | £0 | £69 | £289,397 | £81,399 | £1,783 | £0 | £0 | £0 | £386,010 |
| | NI | £0 | £0 | £6,884 | £0 | £27 | £38,659 | £15,295 | £245 | £0 | £0 | £0 | £61,110 |
| Feb-19 | ROI | £0 | £0 | £13,361 | £0 | £69 | £289,397 | £81,399 | £1,783 | £0 | £0 | £0 | £386,010 |
| | NI | £0 | £0 | £6,884 | £0 | £27 | £38,659 | £15,295 | £245 | £0 | £0 | £0 | £61,110 |

Table 11 - Total Payments by Month

Appendix H: Full Balancing Costs

No longer required as part of legacy SEM wind down.

Appendix I: MSP Algorithms

No longer required as part of legacy SEM wind down.