



# **Legacy SEM Market Operator Monthly Report**

## **June 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 June 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 June 2019, there was no late Credit Report publication as per the Trading and Settlement Code timelines.

There were 6 defaults by Participants during June 2019. The largest of these was an Energy Week 19 2018 M+13 invoice for €242.93 which was remedied on the same day.

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

42 general queries were received in June 2019. During the same period 45 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	<b>6</b>	-
	Credit Risk Management	-	-
SEMO	Pricing & Scheduling	-	-
	Settlement	-	-
	Funds Transfer	-	-
	Credit Risk Management	-	-
	Other	-	-
<b>Total</b>		<b>6</b>	-

**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

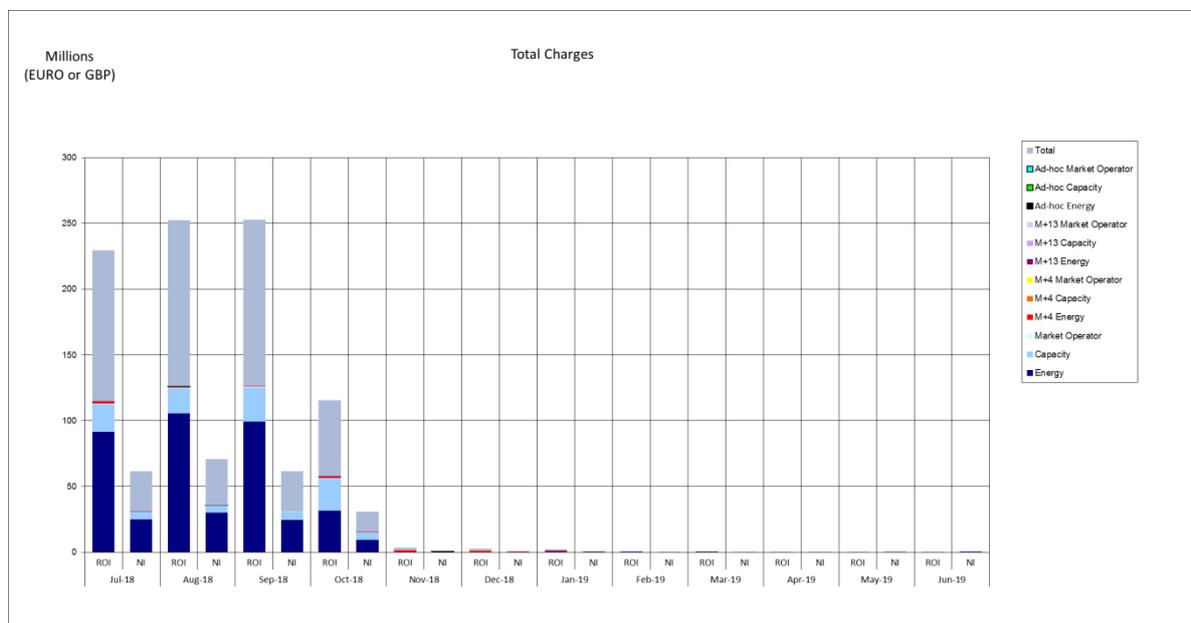


Figure 1 - Total Charges for Each Currency

Market	June-19	
	ROI	NI
Energy	€0	£0
Capacity	€0	£0
Market Operator	€0	£0
M+4 Energy	€0	£0
M+4 Capacity	€0	£0
M+4 Market Operator	€0	£0
M+13 Energy	€143,934	£248,187
M+13 Capacity	€31,766	£72,825
M+13 Market Operator	€789	£1,266
Ad-hoc Energy	€0	£0
Ad-hoc Capacity	€0	£0
Ad-hoc Market Operator	€0	£0
<b>Total</b>	<b>€176,489</b>	<b>£322,278</b>

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](#).

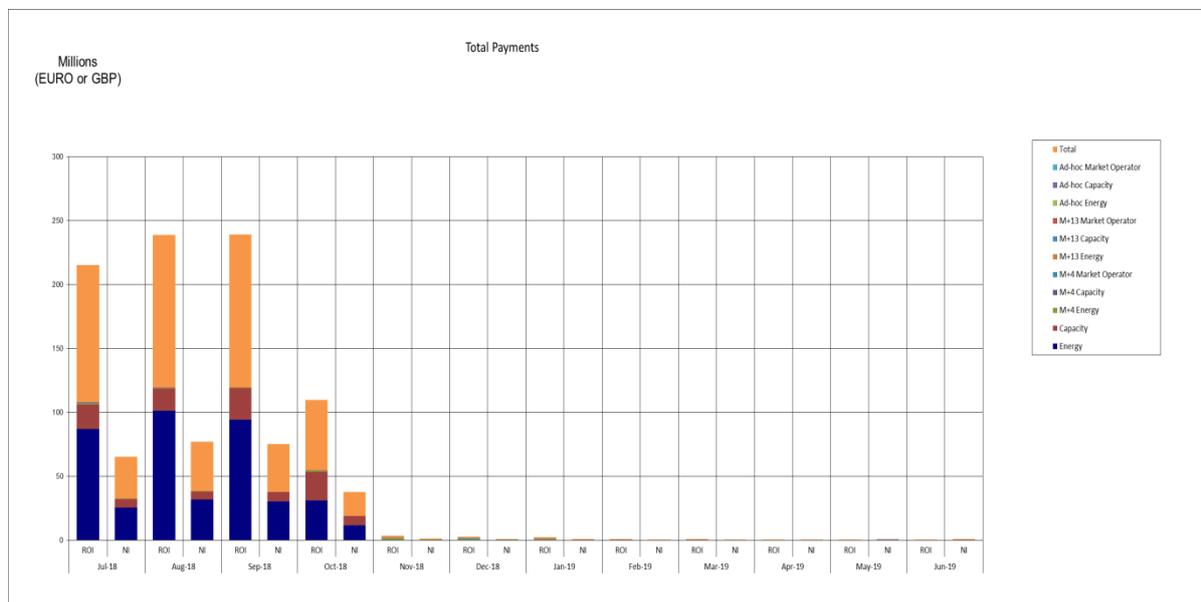


Figure 2 - Total Payments for Each Currency

Market	June-19	
	ROI	NI
Energy	€0	£0
Capacity	€0	£0
Market Operator	€0	£0
M+4 Energy	€0	£0
M+4 Capacity	€0	£0
M+4 Market Operator	€0	£0
M+13 Energy	€143,743	£248,147
M+13 Capacity	€31,680	£72,799
M+13 Market Operator	€789	£1,266
Ad-hoc Energy	€0	£0
Ad-hoc Capacity	€0	£0
Ad-hoc Market Operator	€0	£0
<b>Total</b>	<b>€176,212</b>	<b>£322,212</b>

Table 3 - Total Payments for Each Currency

### Total Currency Costs

Currency Costs for Initial Invoicing are no longer calculated in the SEM since Week 39 2018.



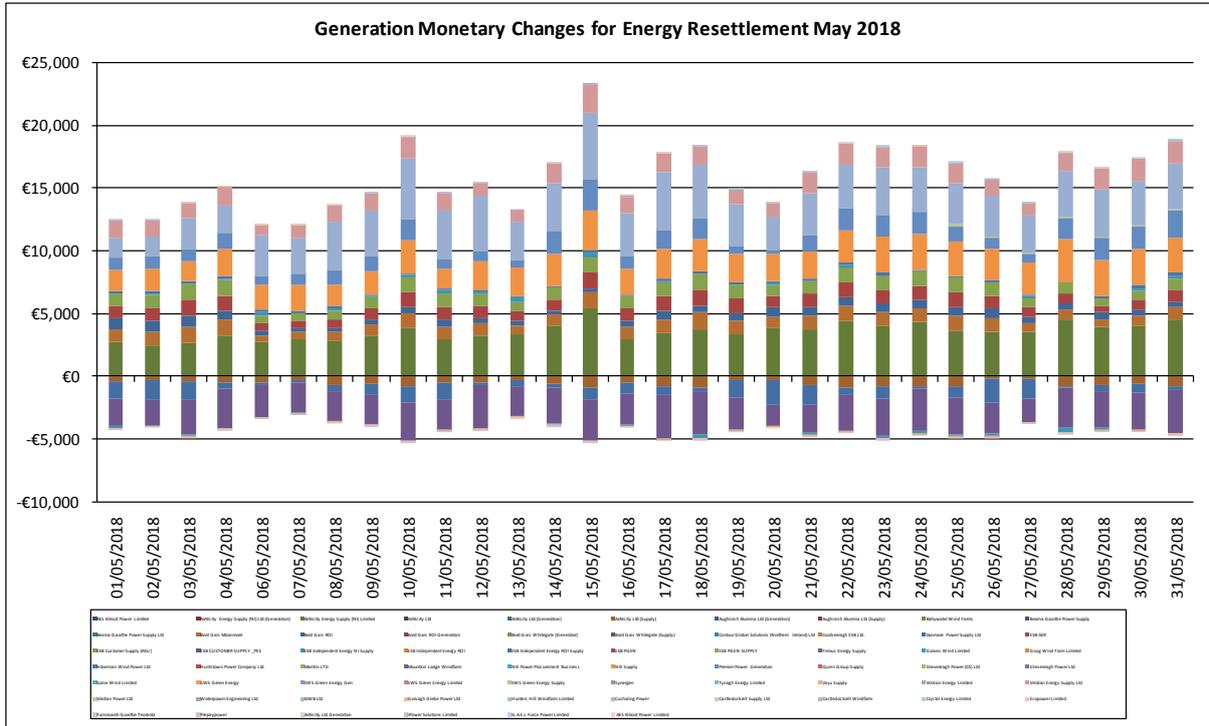


Figure 4 - Generation Monetary Changes for Energy Resettlement – May 2018

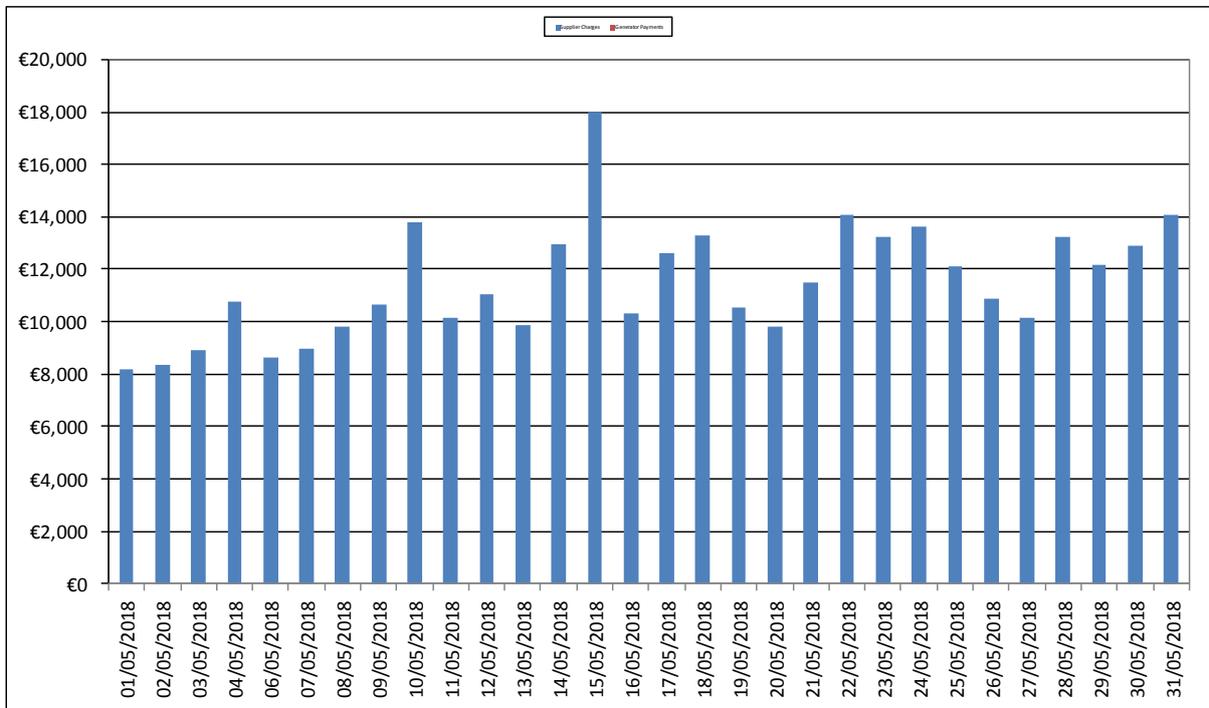


Figure 5 - Total Monetary Changes for Energy Resettlement – May 2018

### 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

M+4 Capacity Resettlement is no longer required as part of legacy SEM wind down.

#### M+13 Resettlement

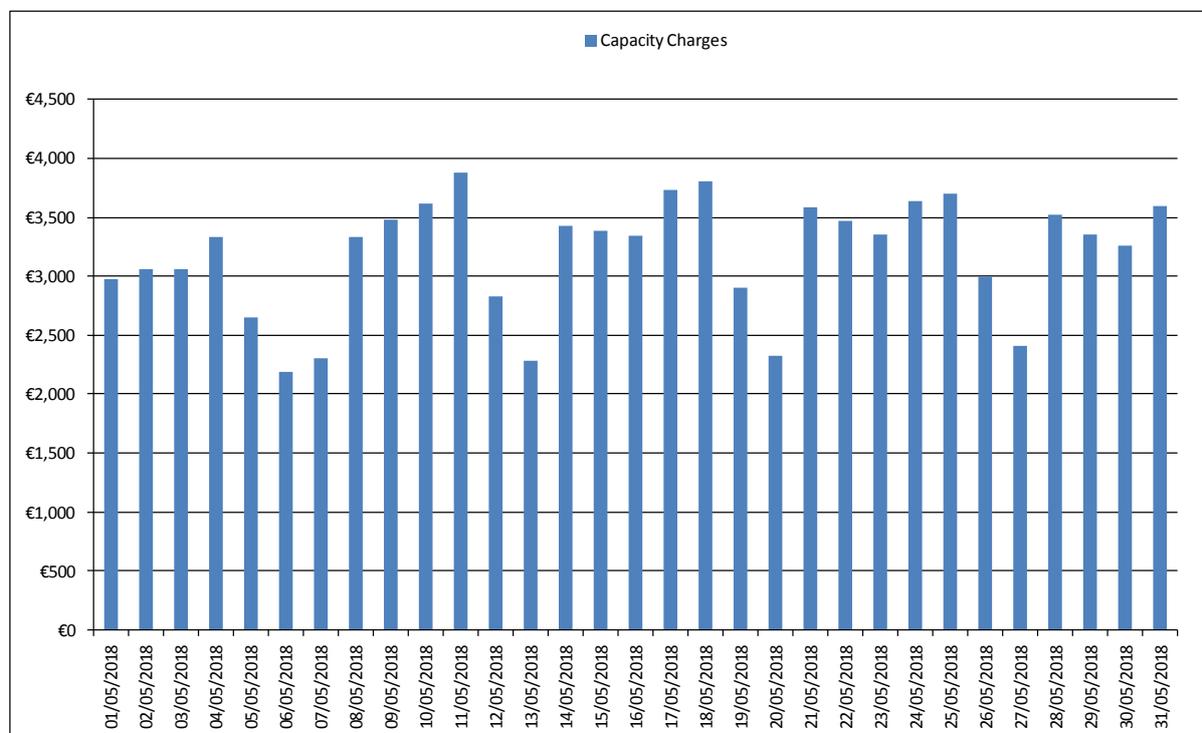
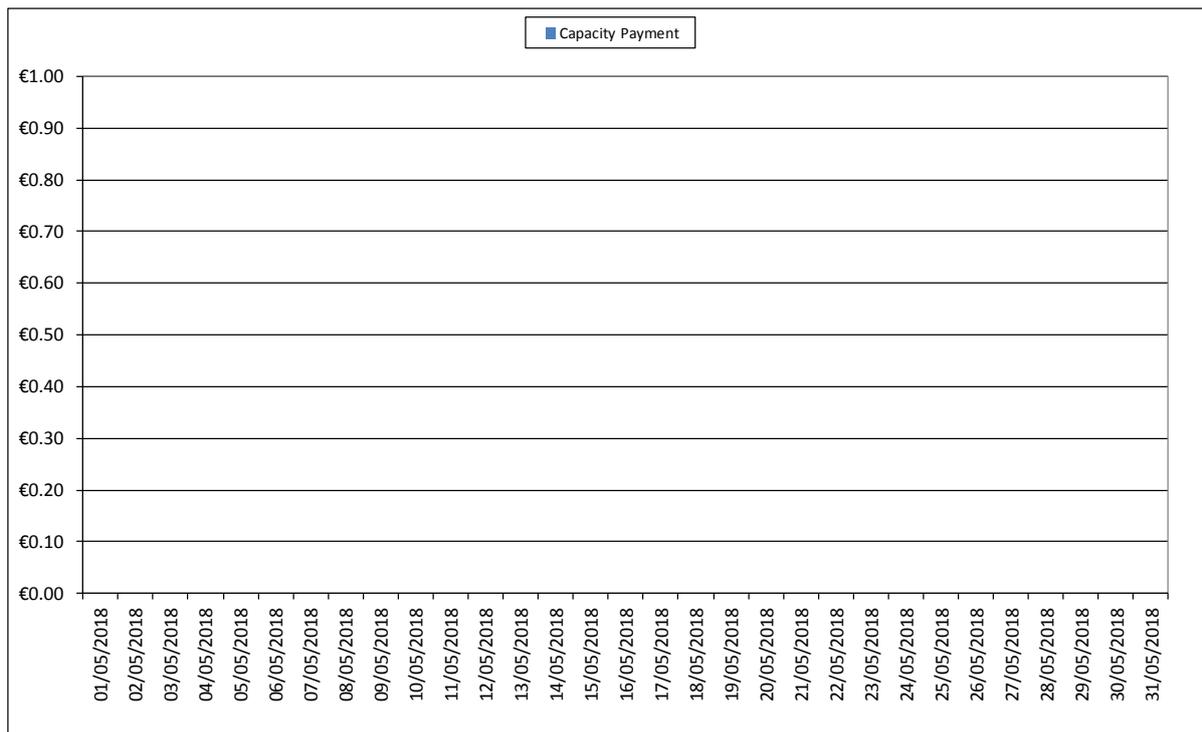
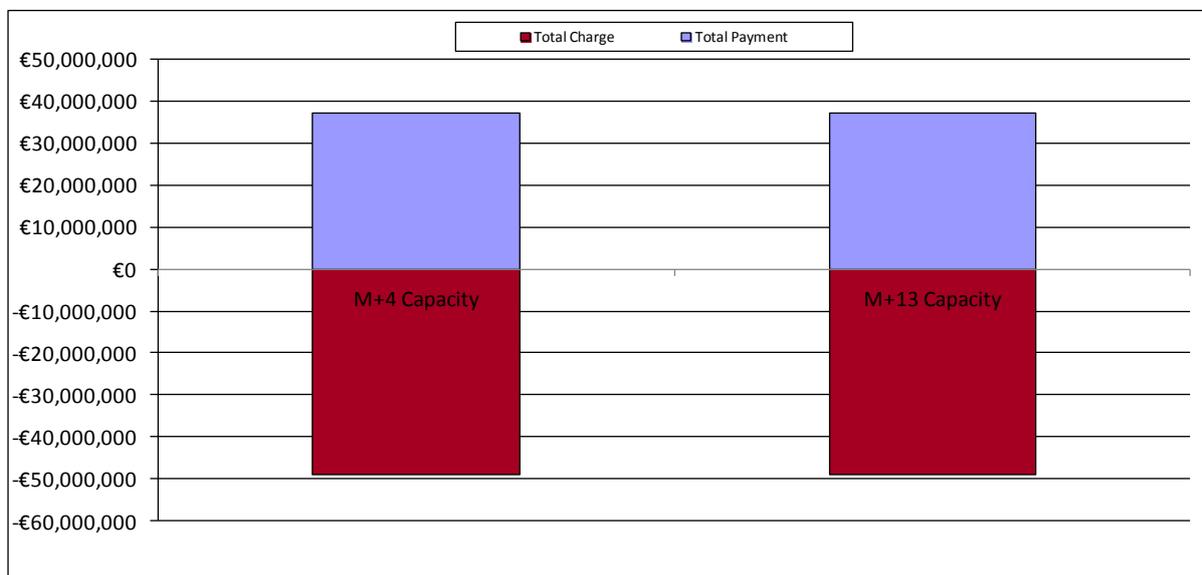


Figure 6 - Independent Suppliers Monetary Changes for Capacity Resettlement – May 2018

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**Figure 7 – All Generation Monetary Change for Capacity Resettlement – May 2018**



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

### Helpdesk Call Statistics

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

#### Market Helpdesk Report: 01/06/19 to 30/06/19

	Received	Resolved within the period	Not Resolved	Resolved in the period	Resolution Time (Working Days)	Resolved On Time
Normal	42	40	2	45	1.23	43
Important	0	0	0	0	0.00	0
Urgent	0	0	0	0	0.00	0
Settlement	0	0	0	0	0.00	0
Credit	0	0	0	0	0.00	0
Dispute	0	0	0	0	0.00	0
Data	0	0	0	0	0.00	0
<b>Total/Average</b>	<b>42</b>	<b>40</b>	<b>2</b>	<b>45</b>	<b>0.25</b>	<b>43</b>

Table 4 – Helpdesk Statistics

Definitions:

- Resolved within the Period refers to queries raised and resolved within the calendar month of June 2019.
- Resolved in the Period refers to queries resolved within June 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 June 2019.
- Not Resolved refers to queries raised but not resolved within June 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 2.23 working days from 2.48 in May 2019 to 0.25 in June 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. No Formal Query timeline extensions were required during June 2019 with regard to formal Settlement Queries.

## Disputes and Queries

### 5.1.1 Disputes

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

Topic	Number Of Queries

Table 6– Upheld Data Queries by Topic

### 5.1.3 Settlement Queries

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

Topic	Number Of Queries

Table 7 – Upheld Settlement Queries by Topic

- **Unresolved Queries**

There are no unresolved SEM Settlement Queries as of the 16<sup>th</sup> July 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 June 2019.

##### **6.1.2 System Errors**

There were no Market Application defects found in June 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 June 2019.

### ***7.2 Communications or Systems Failures***

There were on communication failures during June 2019.

### ***7.3 Denial of Service Attacks***

There was no Denial of Service Attacks during June 2019.

## Appendix A: Detail of Trading and Settlement Code Breaches

### Data Provider

There were no breaches to report in June 2019.

### Market Participant

Ops Date Identified	Run Type	Quality or Timing	Party	Issue Type	Description	Cause	Resolution	T and SC Breach
06/06/2019	Money In	Timing	Participant	Payment Default	A.C. Automation (UK) Ltd (PT_500064) defaulted on an Capacity April M+13 2018	Participant Error	A default letter was issued to the Participant.	Major
26/06/2019	Money In	Timing	Participant	Payment Default	Dan Twomey Waterpower Eng Ltd (PT_400045) defaulted on an Energy Week 20 M+13 2018	Participant Error	A default letter was issued to the Participant.	Major
19/06/2019	Money In	Timing	Participant	Payment Default	Danske Commodities (PT_400108) defaulted on an Energy Week 19 M+13 2018	Participant Error	A default letter was issued to the Participant.	Major
19/06/2019	Money In	Timing	Participant	Payment Default	Arden Energy Ltd (PT_400149) defaulted on an Energy Week 19 M+13 2018	Participant Error	A default letter was issued to the Participant.	Major
06/06/2019	Money In	Timing	Participant	Payment Default	Danske Commodities (PT_400108) defaulted on an Capacity April M+13 2018	Participant Error	A default letter was issued to the Participant.	Major
06/06/2019	Money In	Timing	Participant	Payment Default	Activation Energy DSU Ltd (PT_500098) defaulted on an Capacity April 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 June 2019.

### SEMO - Pricing and Scheduling

There were no breaches to report in June 2019.

### SEMO - Funds Transfer

There were no breaches to report in June 2019.

### SEMO - Credit Management

There were no breaches to report in June 2019.

### SEMO – Other

There were no breaches to report in June 2019.

**Appendix B: List of Queries by Type**

### 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 June 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
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	<b>99,350,473.55</b>
	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	<b>30,826,559.11</b>
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	<b>104,556,498.56</b>
	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	<b>32,702,304.34</b>
Mar-18	ROI	£83,664,309	£0	£194,932	£674,215	£284,390	£3,439	£95,181	£158,339	£583	£0	£0	£0	<b>£85,075,447</b>
	NI	£32,334,060	£0	£50,052	£163,160	£102,559	£899	£50,645	£71,098	£380	£0	£0	£0	<b>£32,772,854</b>
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	<b>£94,904,628</b>
	NI	£23,659,859	£7,429,700	£190,874	£151,575	£23,802	£816	£72,822	£115,446	£533	£0	£0	£0	<b>£31,655,427</b>
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	<b>£102,631,308</b>
	NI	£21,411,034	£6,005,961	£181,189	£109,484	£23,056	£674	£114,249	£62,751	£823	£0	£0	£0	<b>£27,909,222</b>
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	<b>£137,380,852</b>
	NI	£29,772,183	£5,362,582	£213,124	£111,573	£27,385	£607	£183,273	£95,348	£1,350	£16	£0	£0	<b>£35,767,439</b>
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	<b>£114,657,469</b>
	NI	£24,824,845	£5,305,704	£169,676	£164,048	£26,544	£654	£124,634	£100,028	£1,063	£0	£0	£0	<b>£30,717,196</b>
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	<b>£126,208,357</b>
	NI	£29,846,140	£5,022,974	£217,086	£248,040	£37,238	£1,329	£10,253	£31,064	£95	£5,825	£0	£0	<b>£35,420,033</b>
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	<b>£126,390,237</b>
	NI	£24,452,280	£5,983,336	£181,019	£68,235	£13,992	£365	£6,470	£18,637	£53	£0	£0	£0	<b>£30,724,387</b>
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	<b>£57,667,916</b>
	NI	£9,455,756	£5,693,202	£150,691	£108,258	£35,783	£1,126	£8,612	£2,164	£108	£0	£0	£0	<b>£15,455,699</b>
Nov-18	ROI	£0	£0	£0	£1,160,011	£185,595	£6,269	£312,981	£78,711	£1,598	£31	£0	£0	<b>£1,745,196</b>
	NI	£0	£0	£0	£333,889	£67,914	£1,675	£86,421	£34,554	£589	£82,261	£0	£0	<b>£607,304</b>
Dec-18	ROI	£0	£0	£0	£806,243	£170,047	£6,269	£312,981	£78,711	£1,598	£0	£0	£0	<b>£1,375,850</b>
	NI	£0	£0	£0	£248,530	£72,567	£1,675	£71,305	£21,025	£589	£0	£0	£0	<b>£415,692</b>
Jan-19	ROI	£0	£0	£0	£500,065	£75,786	£2,328	£400,377	£112,479	£2,266	£0	£0	£0	<b>£1,093,300</b>
	NI	£0	£0	£0	£192,903	£39,123	£858	£72,043	£22,307	£395	£0	£0	£0	<b>£327,629</b>
Feb-19	ROI	£0	£0	£0	£13,836	£0	£69	£289,439	£81,327	£1,783	£0	£0	£0	<b>£386,454</b>
	NI	£0	£0	£0	£8,561	£0	£3	£38,672	£15,274	£245	£0	£0	£0	<b>£62,755</b>
Mar-19	ROI	£0	£0	£0	£0	£0	£0	£296,547	£71,255	£1,635	£0	£0	£0	<b>£369,437</b>
	NI	£0	£0	£0	£0	£0	£0	£83,428	£23,689	£465	£0	£0	£0	<b>£107,582</b>
Apr-19	ROI	£0	£0	£0	£0	£0	£0	£92,317	£18,280	£469	£0	£0	£0	<b>£111,066</b>
	NI	£0	£0	£0	£0	£0	£0	£138,341	£39,070	£693	£0	£0	£0	<b>£178,104</b>
May-19	ROI	£0	£0	£0	£0	£0	£0	£146,653	£27,512	£858	£0	£0	£0	<b>£175,023</b>
	NI	£0	£0	£0	£0	£0	£0	£221,860	£58,563	£1,289	£0	£0	£0	<b>£281,712</b>
Jun-19	ROI	£0	£0	£0	£0	£0	£0	£143,934	£31,766	£789	£0	£0	£0	<b>£176,489</b>
	NI	£0	£0	£0	£0	£0	£0	£248,187	£72,825	£1,266	£0	£0	£0	<b>£322,278</b>

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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
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	<b>£97,238,790.80</b>
	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	<b>£34,230,549.39</b>
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	<b>£102,484,828.70</b>
	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	<b>£36,361,224.88</b>
Mar-18	ROI	£85,513,434	£0	£691,820	£303,976	£3,238	£94,253	£188,330	£578	£0	£0	£0	<b>£86,795,628</b>
	NI	£37,437,280	£0	£170,090	£85,702	£898	£51,265	£45,028	£384	£0	£0	£0	<b>£37,790,647</b>
Apr-18	ROI	£69,267,924	£20,860,692	£945,469	£237,063	£3,887	£193,101	£310,897	£516	£0	£0	£0	<b>£91,819,549</b>
	NI	£32,845,010	£9,450,019	£150,560	£50,635	£818	£72,832	£77,370	£533	£0	£0	£0	<b>£42,647,777</b>
May-18	ROI	£73,986,199	£21,003,133	£1,333,265	£344,914	£4,639	£89,323	£138,550	£645	£0	£0	£0	<b>£96,900,668</b>
	NI	£23,049,174	£7,260,826	£111,164	£58,347	£686	£114,206	£136,262	£823	£0	£0	£0	<b>£30,731,488</b>
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	<b>£129,714,001</b>
	NI	£32,258,574	£7,261,868	£115,238	£62,628	£627	£183,374	£89,625	£1,350	£852	£0	£2	<b>£39,974,138</b>
Jul-18	ROI	£86,768,139	£19,045,125	£1,383,691	£307,142	£4,724	£47,761	£123,685	£431	£0	£0	£0	<b>£107,680,698</b>
	NI	£25,508,813	£6,579,825	£161,500	£42,347	£738	£124,667	£69,402	£1,063	£0	£0	£0	<b>£32,488,356</b>
Aug-18	ROI	£101,015,744	£17,337,990	£549,108	£161,828	£2,583	£49,204	£91,882	£311	£145,525	£0	£0	<b>£119,354,176</b>
	NI	£31,815,843	£6,244,149	£243,991	£41,050	£1,252	£10,283	£27,631	£85	£7,589	£0	£0	<b>£38,391,874</b>
Sep-18	ROI	£94,348,675	£24,483,726	£469,838	£87,398	£2,373	£34,655	£85,446	£269	£0	£0	£0	<b>£119,512,391</b>
	NI	£30,233,883	£7,164,947	£67,373	£14,752	£295	£6,469	£22,731	£53	£0	£0	£0	<b>£37,510,502</b>
Oct-18	ROI	£30,964,136	£22,562,931	£878,875	£189,837	£5,160	£148,618	£39,721	£1,133	£0	£0	£0	<b>£54,790,411</b>
	NI	£11,418,621	£7,231,162	£107,709	£30,084	£1,123	£8,612	£2,161	£110	£0	£0	£0	<b>£18,799,581</b>
Nov-18	ROI	£0	£0	£1,157,683	£185,071	£6,166	£320,379	£79,187	£2,118	£2,649	£0	£8	<b>£1,753,261</b>
	NI	£0	£0	£333,518	£67,787	£1,659	£86,279	£34,163	£589	£38,925	£0	£155	<b>£563,074</b>
Dec-18	ROI	£0	£0	£806,949	£170,134	£6,166	£328,215	£88,275	£1,873	£0	£0	£0	<b>£1,401,613</b>
	NI	£0	£0	£248,726	£67,787	£1,659	£71,328	£21,036	£407	£0	£0	£0	<b>£410,943</b>
Jan-19	ROI	£0	£0	£496,510	£73,932	£2,088	£400,379	£112,477	£2,266	£0	£0	£0	<b>£1,087,652</b>
	NI	£0	£0	£192,014	£40,658	£870	£72,043	£22,306	£395	£0	£0	£0	<b>£328,286</b>
Feb-19	ROI	£0	£0	£13,361	£0	£69	£289,397	£81,399	£1,783	£0	£0	£0	<b>£386,010</b>
	NI	£0	£0	£6,884	£0	£27	£38,659	£15,295	£245	£0	£0	£0	<b>£61,110</b>
Mar-19	ROI	£0	£0	£0	£0	£0	£296,600	£71,163	£1,635	£0	£0	£0	<b>£369,398</b>
	NI	£0	£0	£0	£0	£0	£83,443	£23,663	£465	£0	£0	£0	<b>£107,570</b>
Apr-19	ROI	£0	£0	£0	£0	£0	£92,271	£18,188	£469	£0	£0	£0	<b>£110,928</b>
	NI	£0	£0	£0	£0	£0	£138,318	£38,999	£692	£0	£0	£0	<b>£178,008</b>
May-19	ROI	£0	£0	£0	£0	£0	£146,830	£27,410	£859	£0	£0	£0	<b>£175,099</b>
	NI	£0	£0	£0	£0	£0	£224,554	£58,483	£1,287	£0	£0	£0	<b>£284,325</b>
Jun-19	ROI	£0	£0	£0	£0	£0	£143,743	£31,680	£789	£0	£0	£0	<b>£176,212</b>
	NI	£0	£0	£0	£0	£0	£248,147	£72,799	£1,266	£0	£0	£0	<b>£322,212</b>

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.