

PARR Dashboards

13th September 2022

PAFA



2A.1 Estimated & Check Reads - Product Classes 1 & 2

Report measures the average percentage across all shippers portfolio in each market, where estimated reads were provided. Count of each Shippers portfolio where check reads were not provided

PC1

Industry movement:

- ↑ 2.44% - Monthly change
- ↓ 11.67% - Annual change

Monthly changes:

- ↑ 4.48% Canberra
- ↓ 0.39% Manama
- ↑ 4.76% Monaco
- ↓ 1.76% Papeete
- ↑ 4.77% Tehran

PC2

Industry movement:

- ↓ 2.66% Monthly change
- ↓ 7.56% Annual change

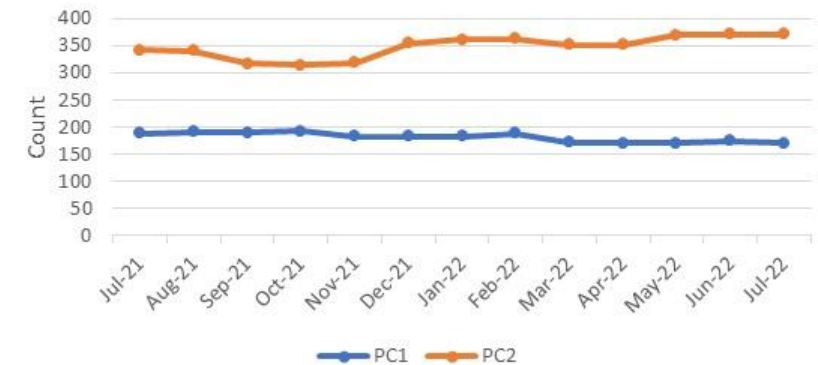
Monthly changes:

- ↑ 1.61% Athens
- ↓ 6.67% Washington
- ↑ 1.84% Papeete
- ↓ 8.75% Lisbon
- ↑ 3.58% Brazzaville
- ↓ 30.21% Manama

2A.1 Percentage of Estimated Reads for PC1 & PC2



2A.1 Count of Check Reads not completed for PC1 and PC2



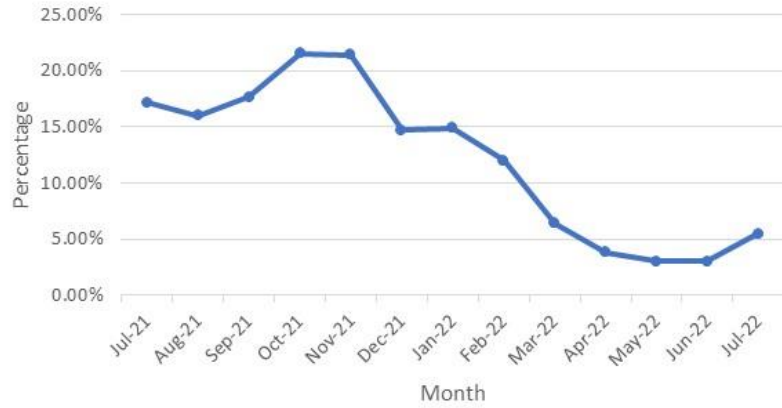
Observations:

- In the year, use of estimated reads for PC1 and PC2 have been declining
- PC2 performance in recent months has decreased. This has been driven by a few Shippers who have seen sharp declines in performance.
- The number of uncompleted check reads in PC1 have remained the same over the course of the year whilst the uncompleted check reads in PC2 have increased over the few months

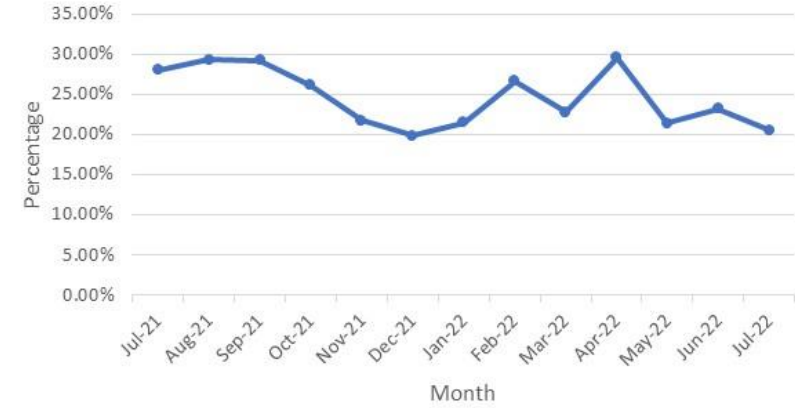
2A.1 Estimated & Check Reads - Product Classes 1 & 2



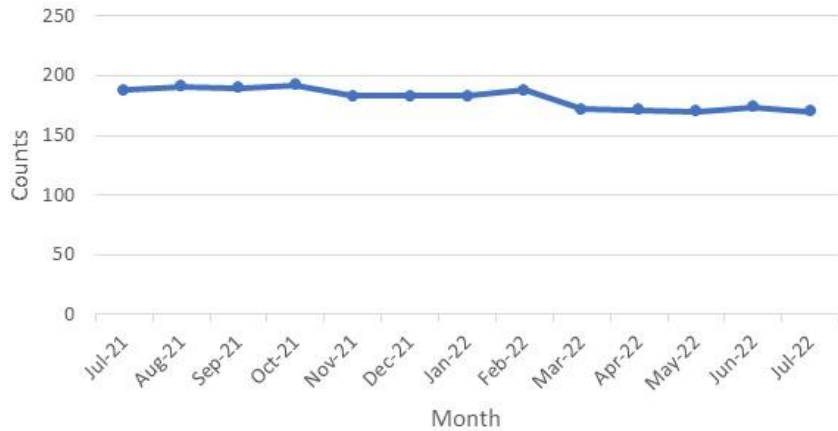
2A.1 PC1 Estimated Read Totals



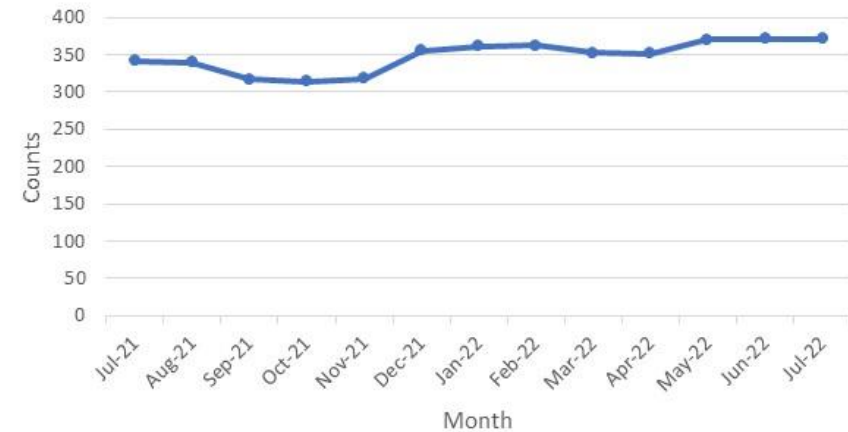
2A.1 PC2 Estimated Read Totals



2A.1 PC1 Check Reads Total



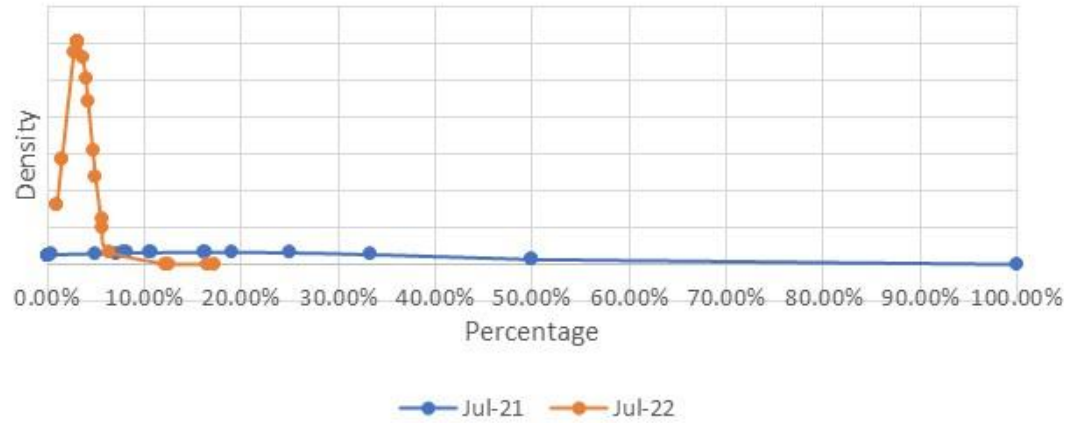
2A.1 PC2 Check Read Totals



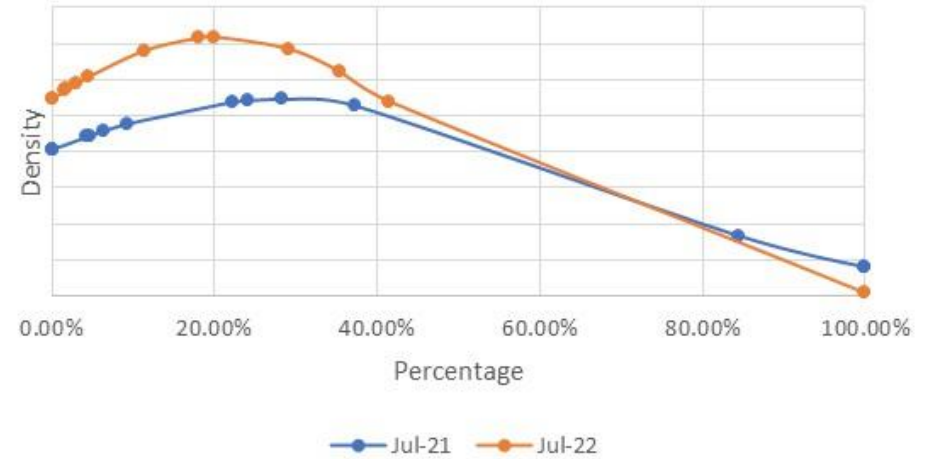
2A.1 Estimated & Check Reads - Product Classes 1 & 2



2A.1- 12 Month comparison (Average of PC1 Estimated Reads)



2A.1- 12 month comparison (Average of PC2 Estimated Reads)



2A.2 – No Meter Recorded



Report measures the percentage of each shippers portfolio where no meter recorded in the supply point register

PC1

0% for all shippers

PC2

0% for all shippers

PC3

Highest shippers:

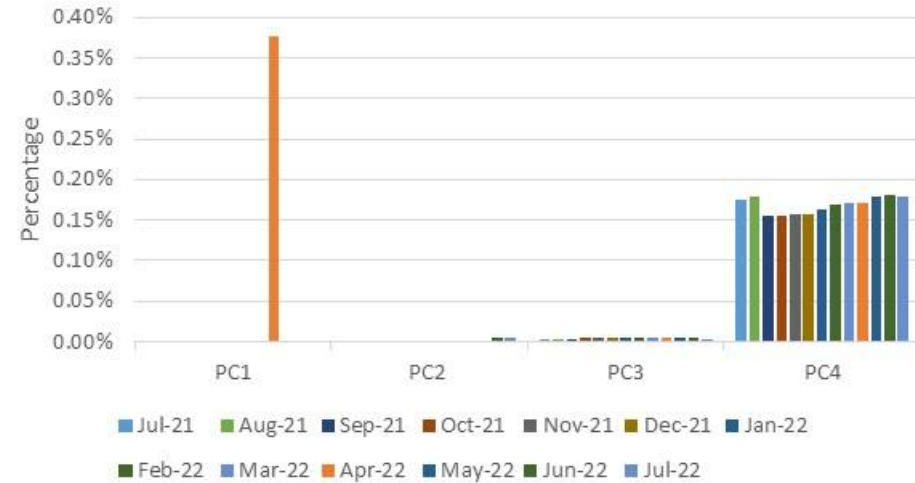
Praia **0.37%**
Mogadishu **0.14%**

PC4

Highest shippers:

Reykjavik **31.82%**
Djibouti **35.76%**
Luxembourg **42.86%**

2A.2 Percentage of No Meter recorded by Product Class



Observations:

- The percentage of no meter recorded in PC4 continues to decline from the highs seen in 2020.
- The PAC, PAFA and CDSP at Xoserve are working with the relevant Shippers in this area who are driving the increase in the number of no meters recorded.

2A.3 No Meter Recorded and data flows received



Report measures the percentage of each shippers portfolio where no meter recorded in the supply point register and data flows received

PC1

0% for all shippers

PC3

Highest shippers:
Praia 0.12%

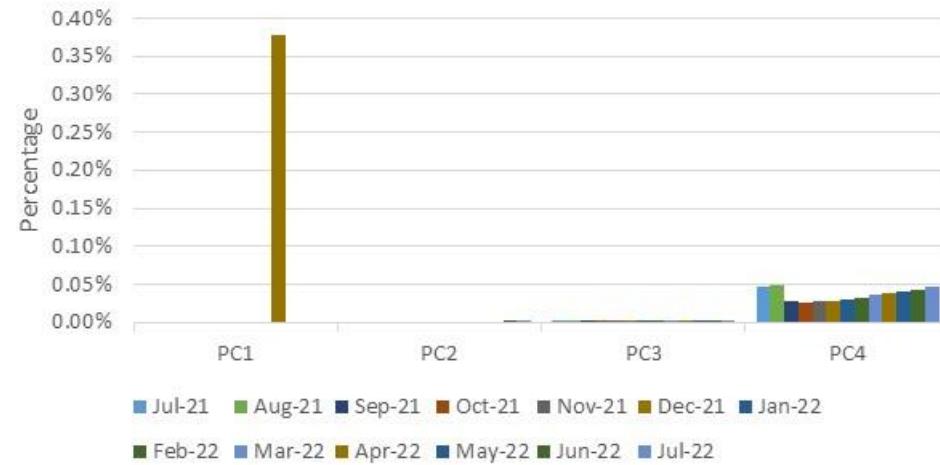
PC2

0% for all shippers

PC4

Highest shippers:
Prague 1.27%
Oranjestad 2.57%
Reykjavík 4.55%

2A.3 No Meter recorded by Product Class and data flows received



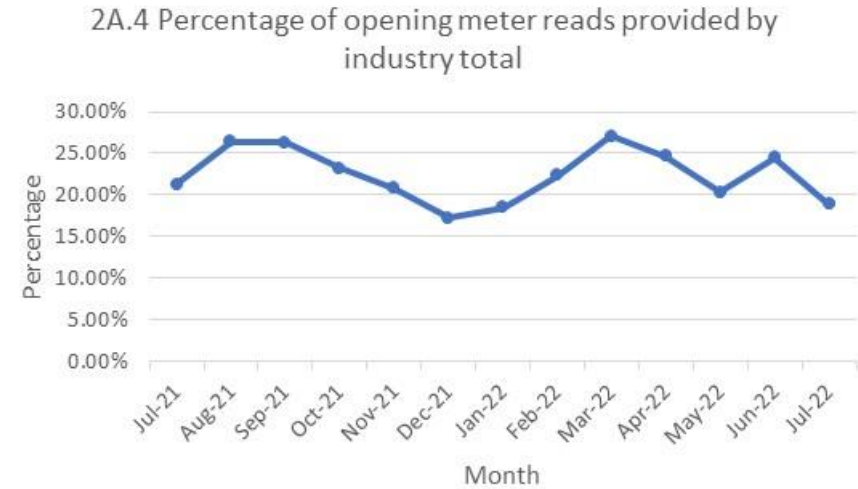
2A.4 - Shipper Transfer Read Performance

Report measures the percentage of Shipper portfolio of opening meters reads provided following confirmation

Industry movement:

↓ 5.58% Monthly change

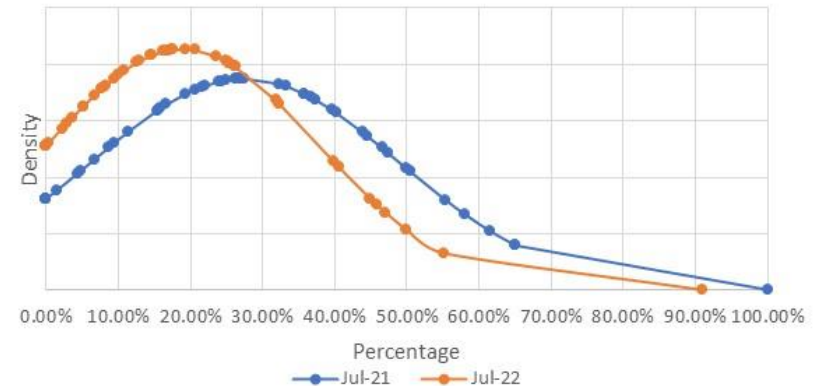
↓ 7.43% Annual change



Observations:

- The number of transfer reads being submitted within the relevant window are still well below the requirements of the UNC.
- The previous two months have seen increases with the majority of Supplier of Last Resort (SoLR) movements having materialised through the data which was driving down performance across industry.
- The PAFA will continue to monitor this area.

2A.4- 12 Month Comparison of Shipper Transfer Read Performance

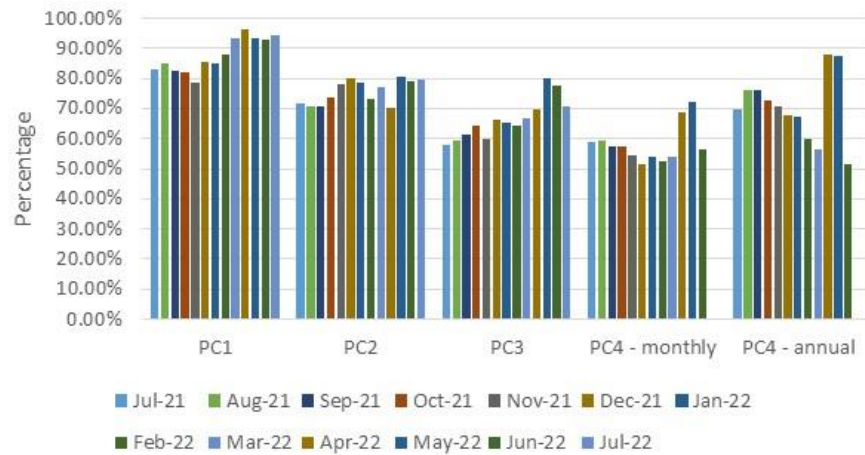


2A.5 - Read Performance

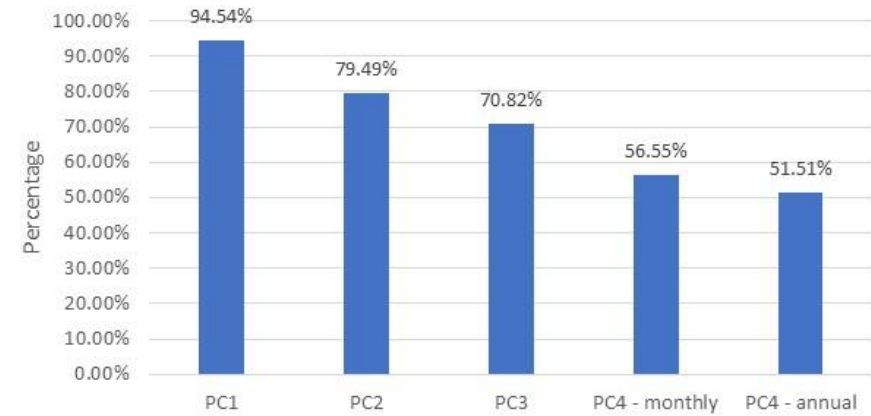
Report measures the average percentage of Shipper portfolio submitting reads in July 2022

PC4 Monthly and Annually read measures the average percentage of Shipper portfolio submitting reads in June 2022.

2A.5 Percentage of Product Class read submissions



2A.5 Industry average percentage of Product Class read submissions



Poorest performing Shippers:

PC1
 82.77% Valletta
 83.48% Thimphu
 87.36% Rome

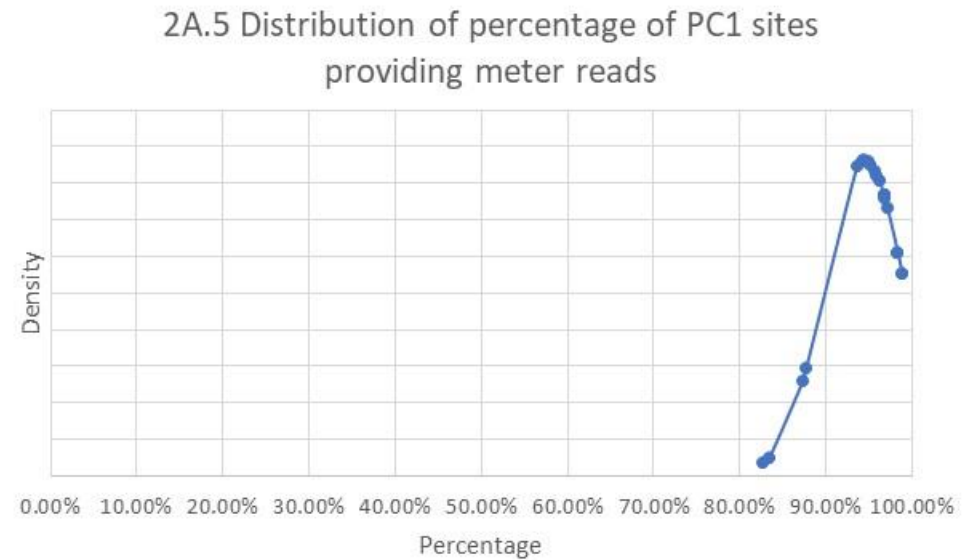
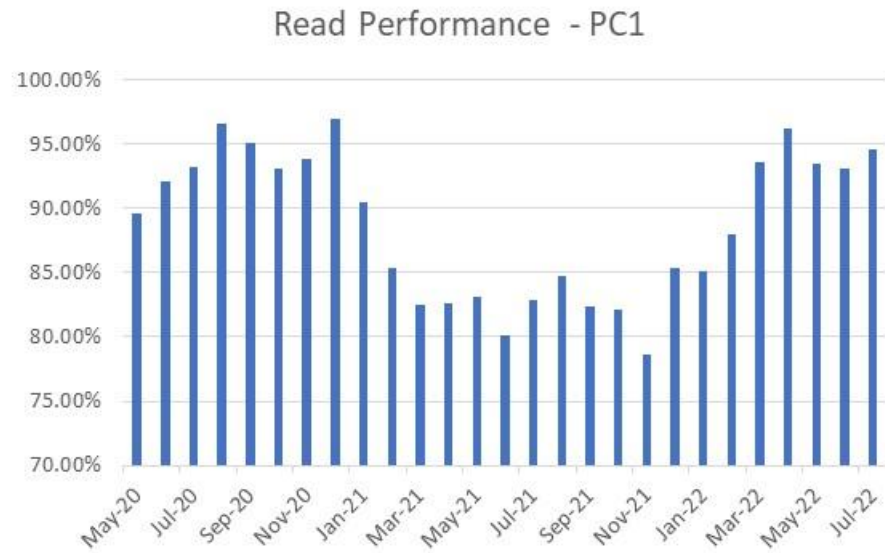
PC2
 0% Tehran
 58.47% Thimphu
 64.67% Saipan

PC3
 0% Philipsburg
 0% Paramaribo
 7.17% Yerevan

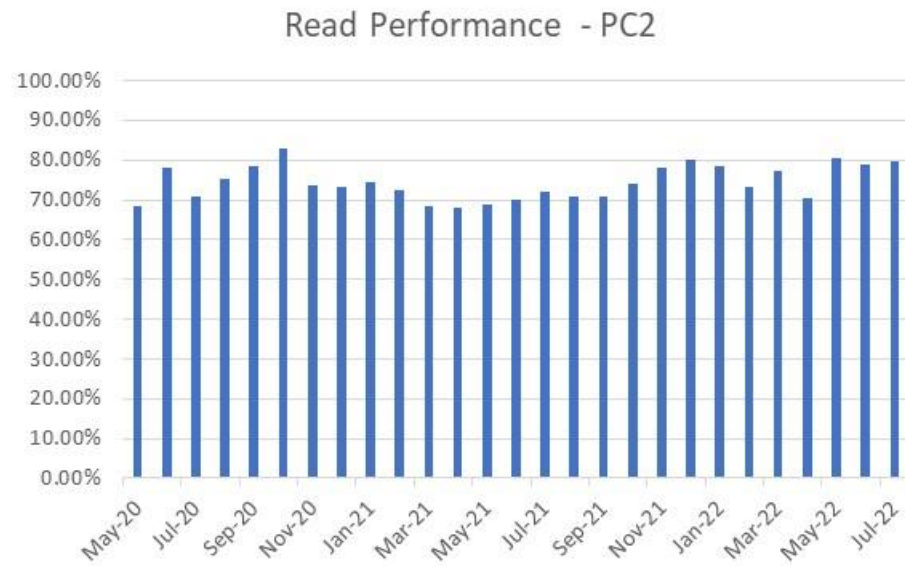
PC4 (Monthly)
 0% Apia
 0% Bern
 0% Luxembourg
 0% Gaborone
 0% Berlin

PC4 (Annual)
 0% Accra
 0% Avarua
 0% Caracas
 0% Kingstown
 0% Skopje

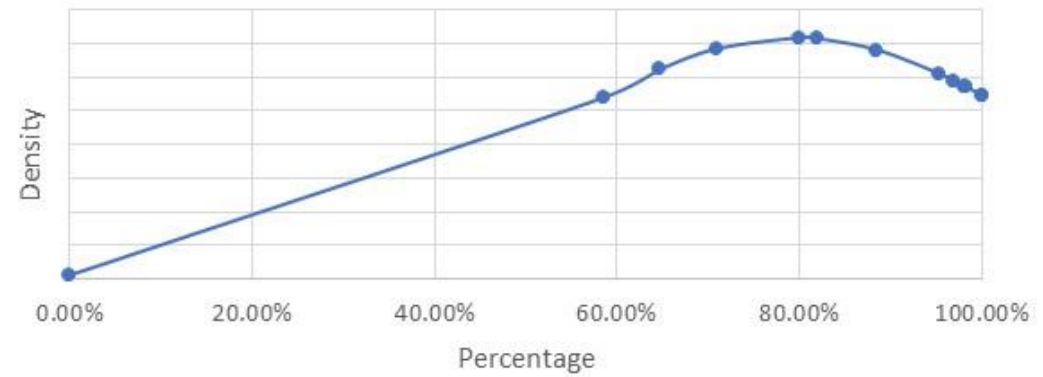
2A.5 - Read Performance (PC1)



2A.5 - Read Performance (PC2)



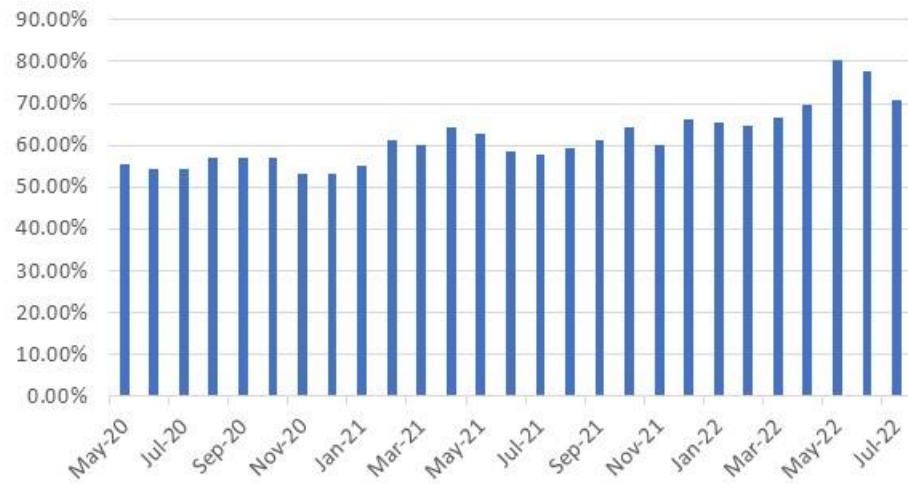
2A.5 Distribution of percentage of PC2 sites providing meter reads



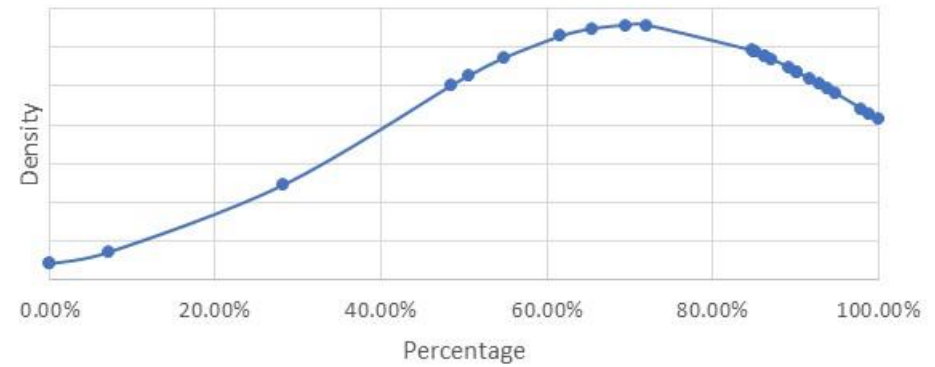
2A.5 - Read Performance (PC3)



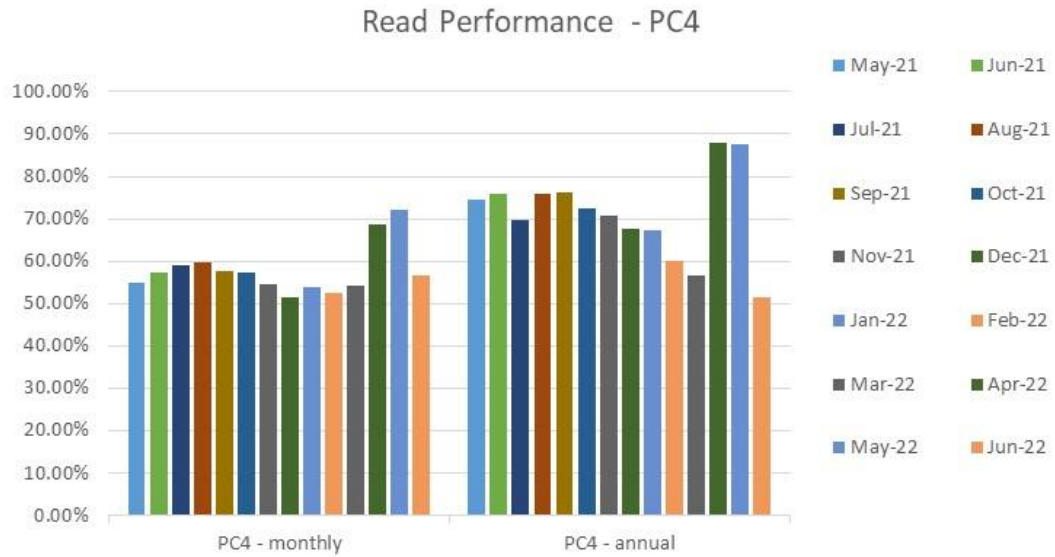
Read Performance - PC3



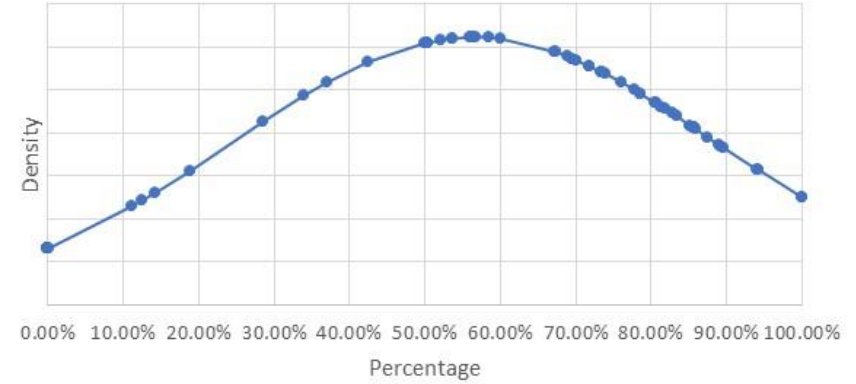
2A.5 Distribution of percentage of PC3 sites providing meter reads



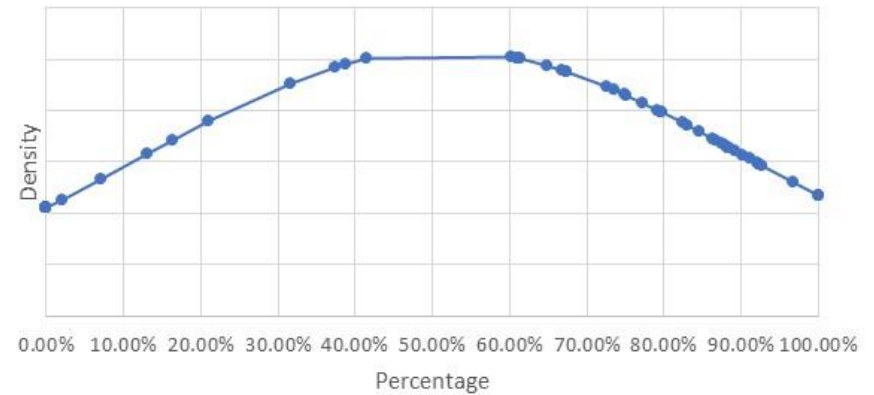
2A.5 - Read Performance (PC4)



2A.5 Distribution of read performance for PC4 Monthly sites



2A.5 Distribution of percentage of PC4 Annual sites providing meter reads

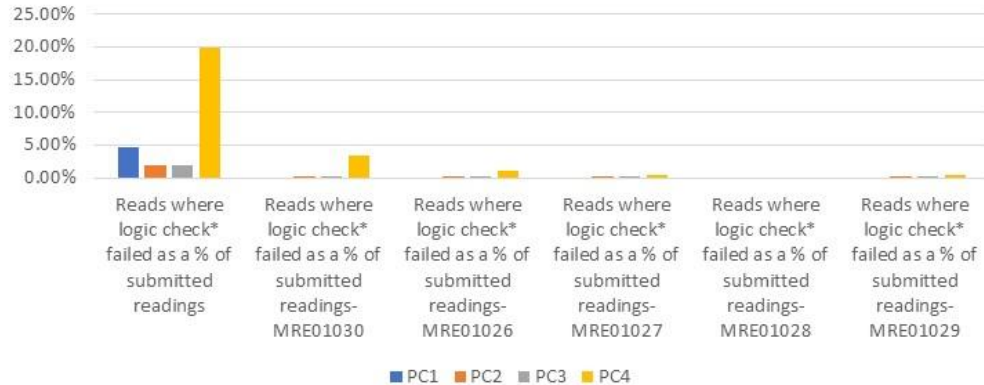


2A.6 Meter Read Validity Monitoring



Report measures the percentage of Shipper portfolio where reads submitted failed validation

2A.6 Industry total percentage of meter read validity failure by Product Class - July 2022



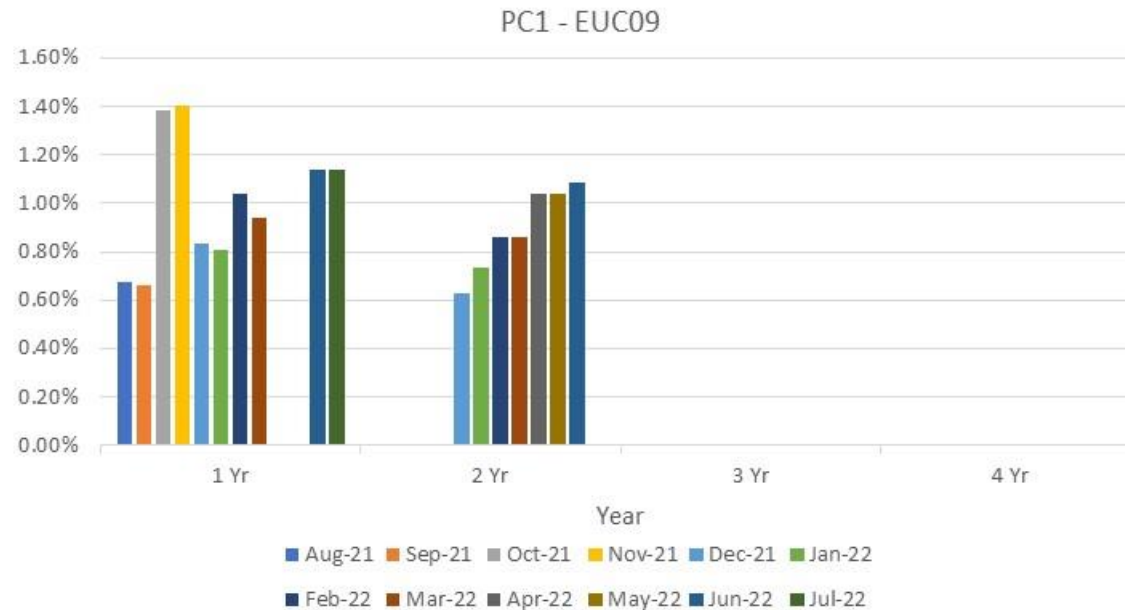
| Product Class | Reads where logic check failed as a % of submitted readings | MRE01030 | MRE01026 | MRE01027 | MRE01028 | MRE01029 |
|---------------|---|-------------------|---------------------|-------------------|----------|-----------------|
| 1 | Kigali – 50.82% | | | | | |
| 2 | Philipsburg – 28.34% | Saipan – 1.29% | Philipsburg – 0.80% | Gitega – 0.34% | | Athens – 5.31% |
| 3 | Mogadishu – 30.78% | Khartoum – 12.16% | Manama – 0.02% | Khartoum – 23.71% | | Monaco – 44.76% |
| 4 | Papeete – 65.18% | Yerevan – 44.48% | Bern – 7.26% | Monaco – 100% | | Apia – 48.69% |

2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 1



Report measures the percentage of Shipper portfolio in the specified AQ band without a meter reading for the specified period

EUC01 – EUC08 have no meters which have not been unread for a period less than one year in recent months

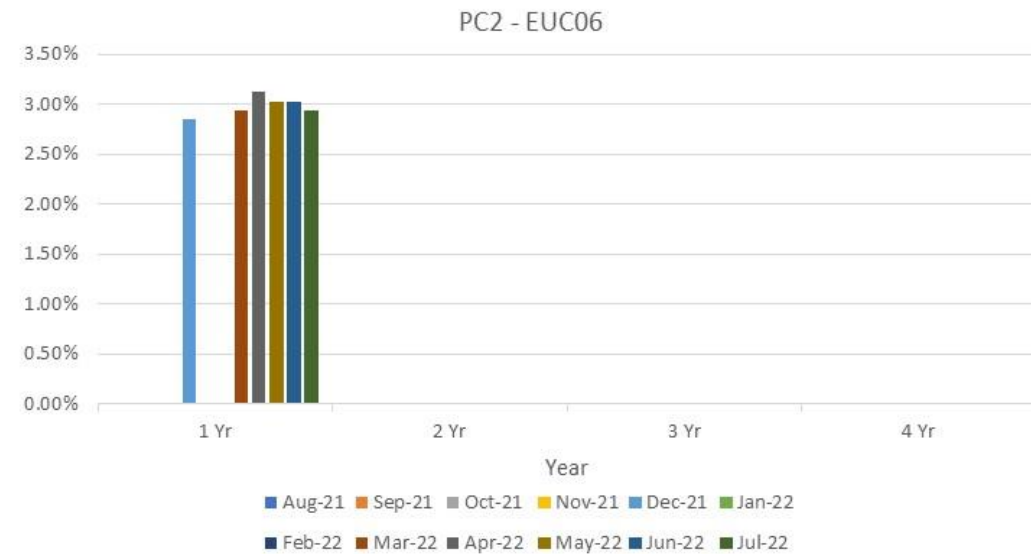
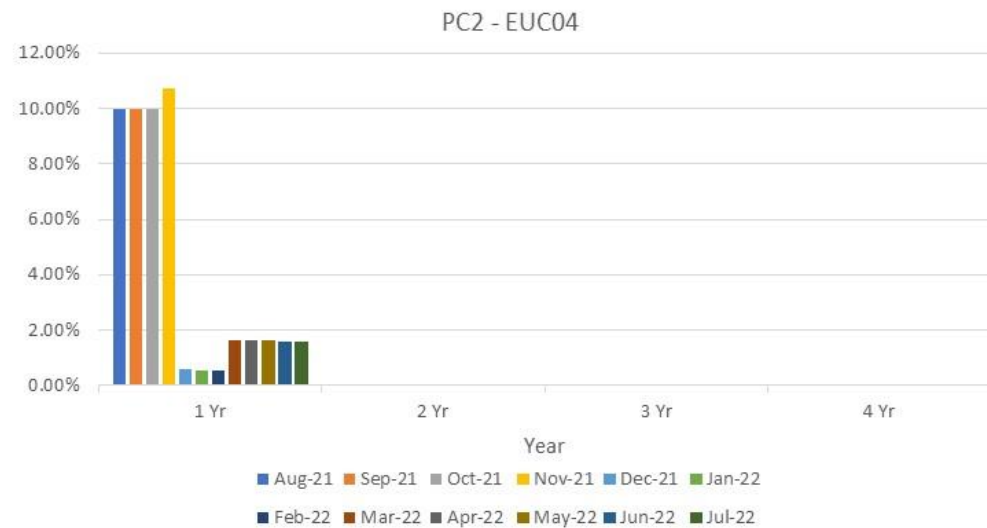


2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 2

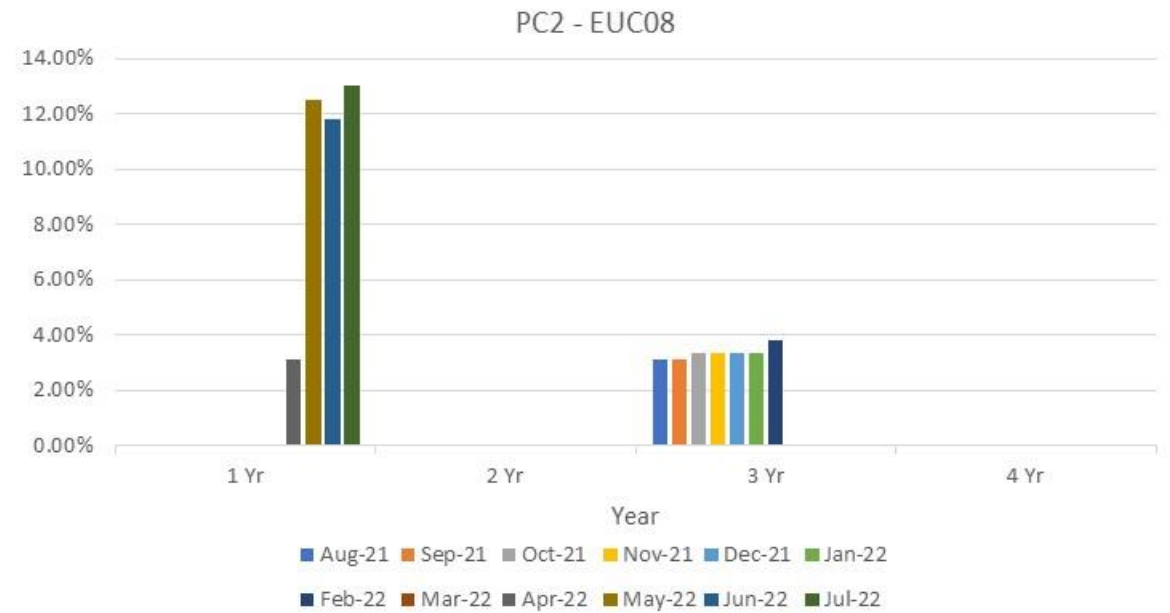
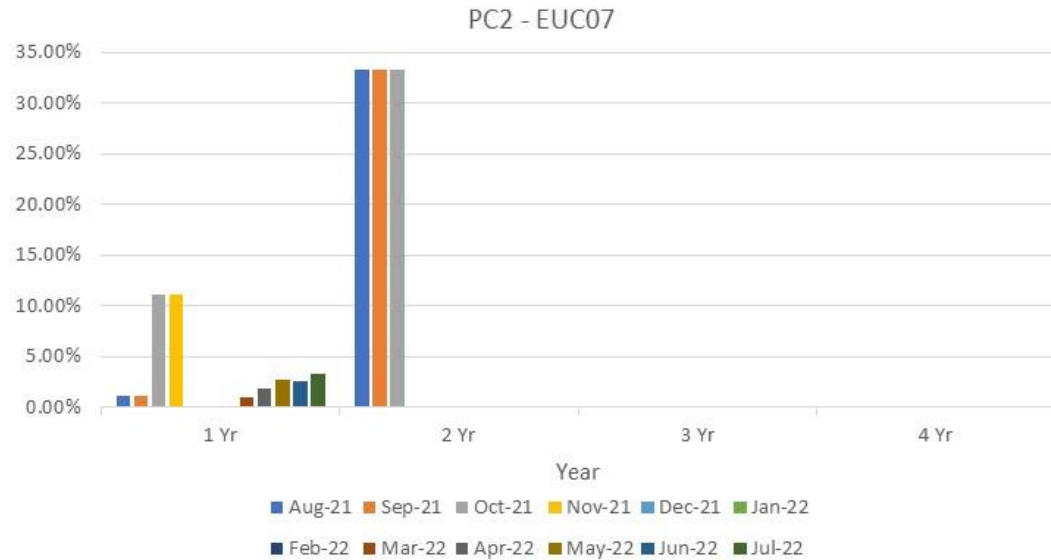


Report measures the percentage of Shipper portfolio in the specified AQ band without a meter reading for the specified period

EUC01, EUC02, EUC03, EUC05 & EUC09 have no meters which have not been unread for a period less than one year in the last three months.



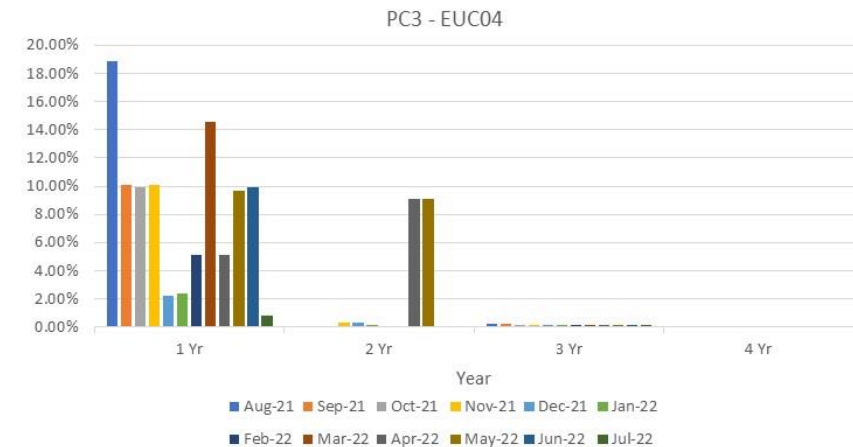
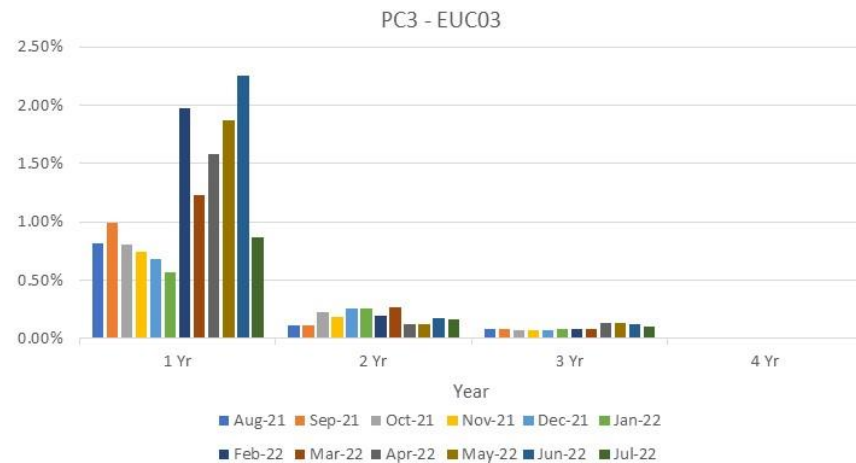
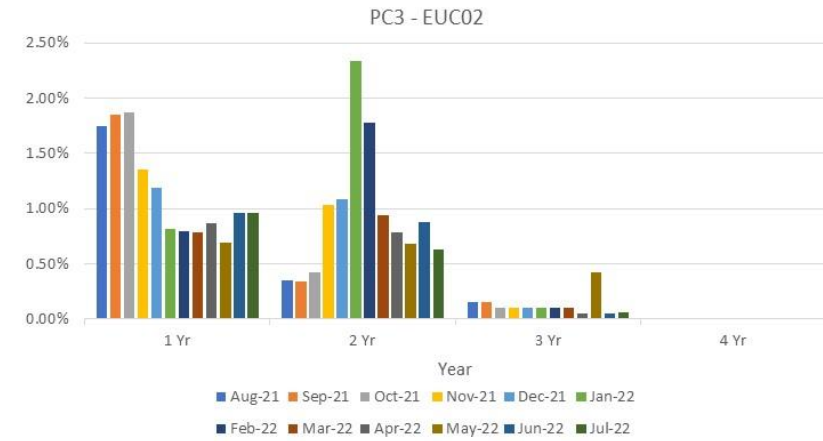
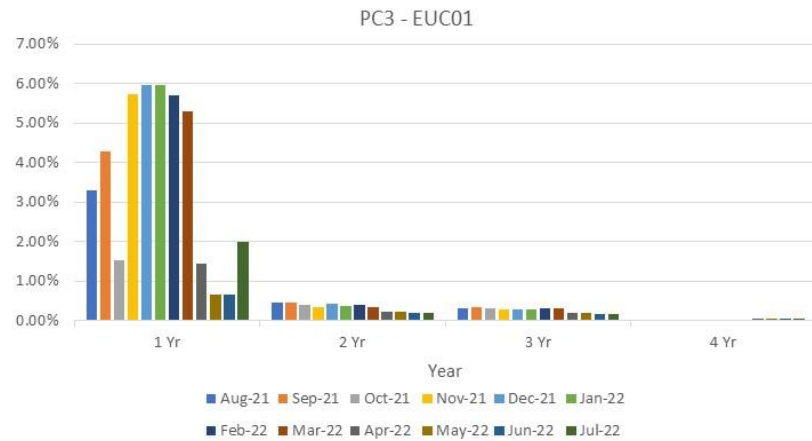
2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 2



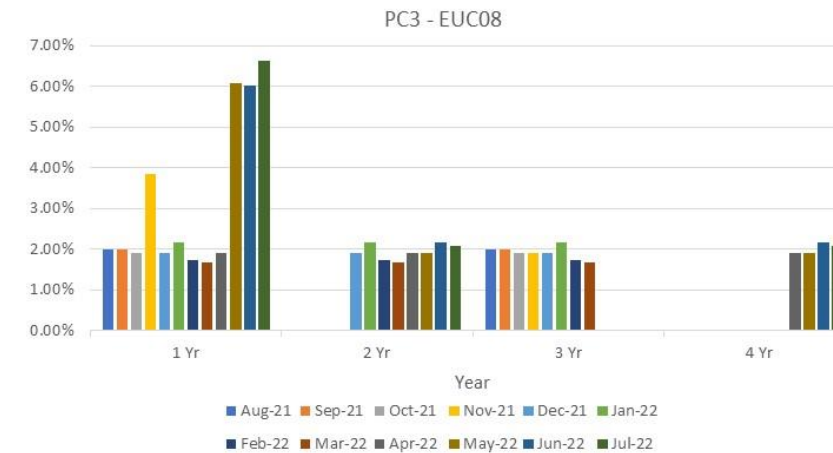
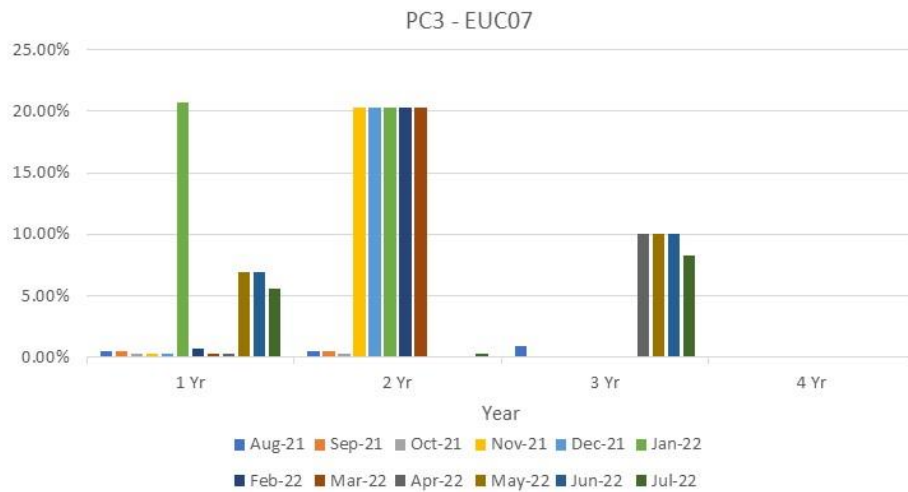
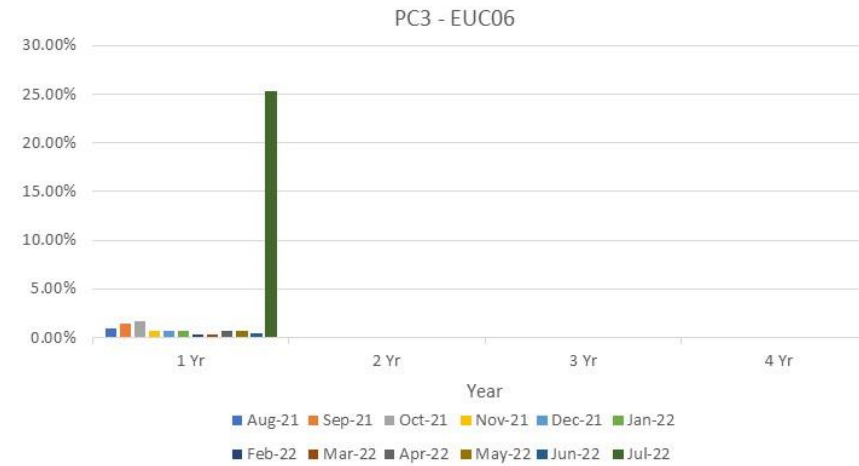
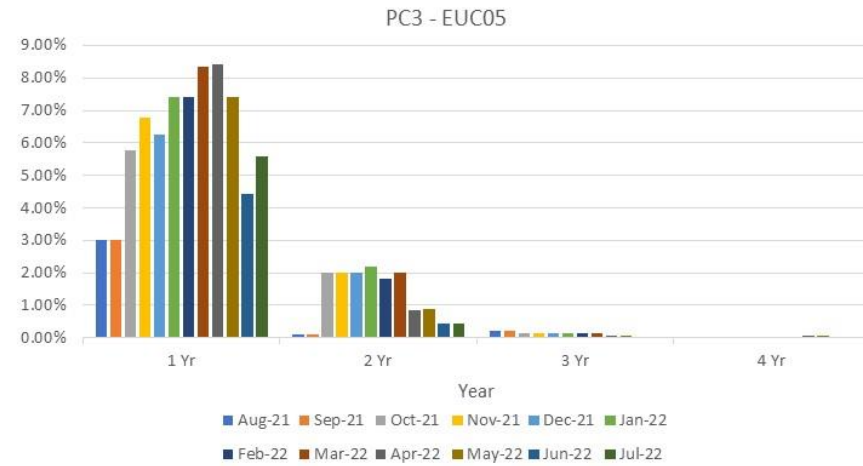
2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 3



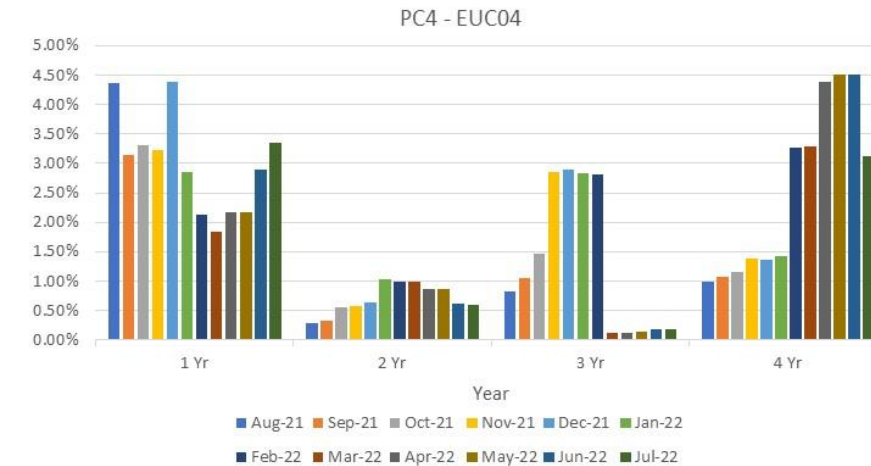
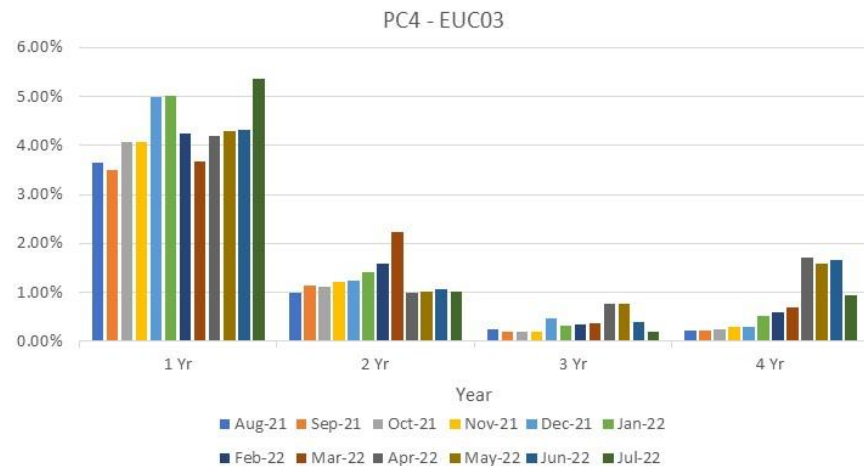
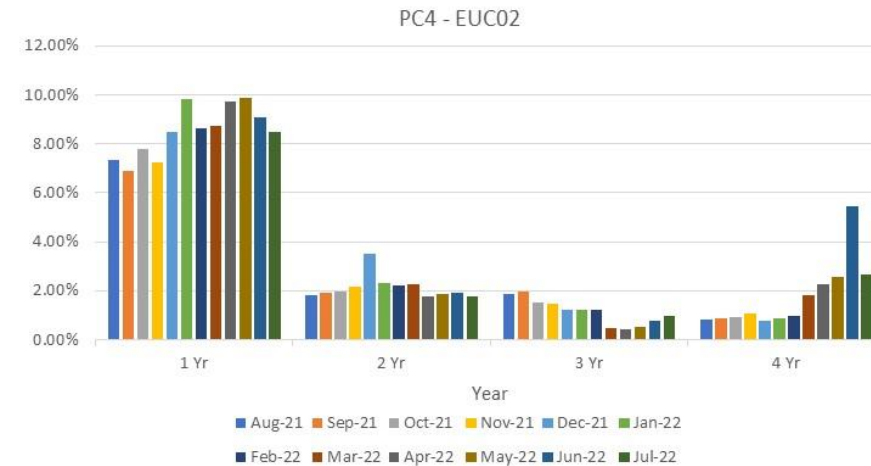
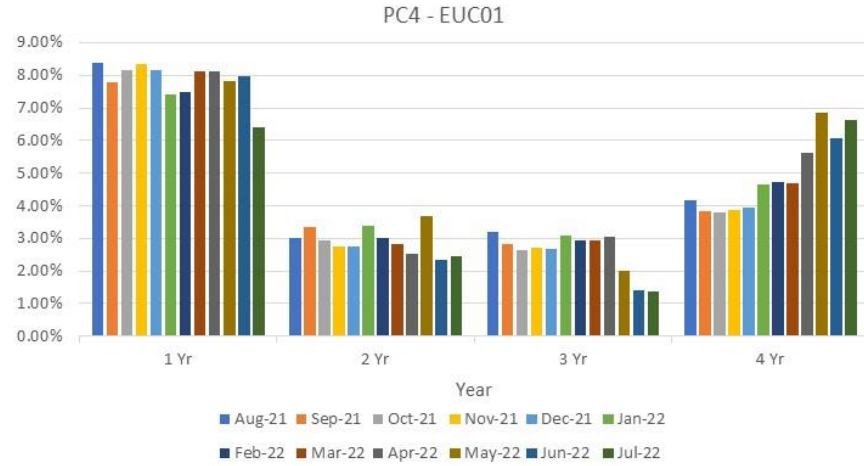
Report measures the percentage of Shipper portfolio in the specified AQ band without a meter reading for the specified period.



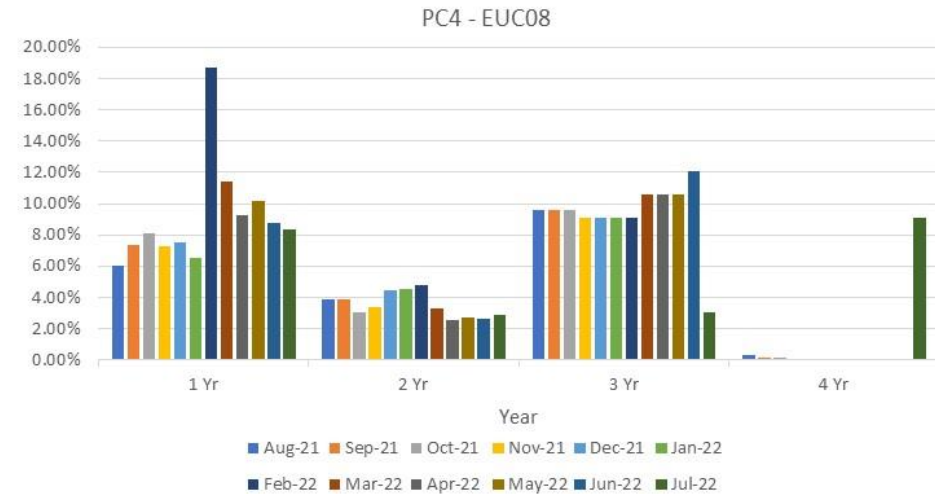
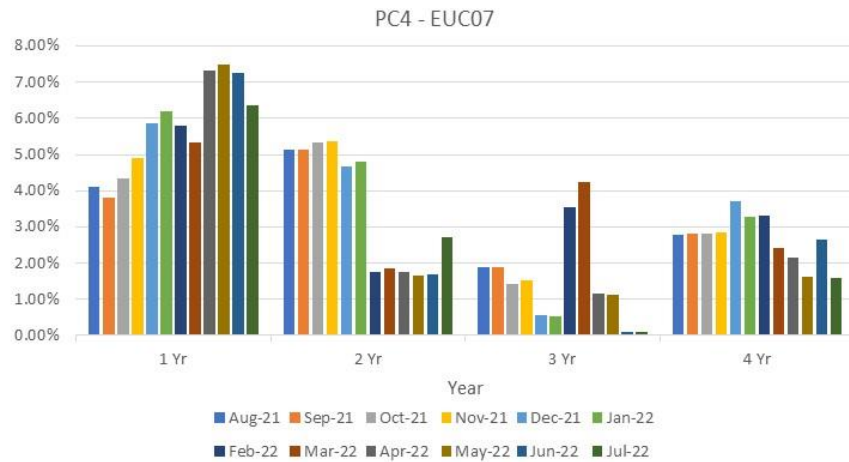
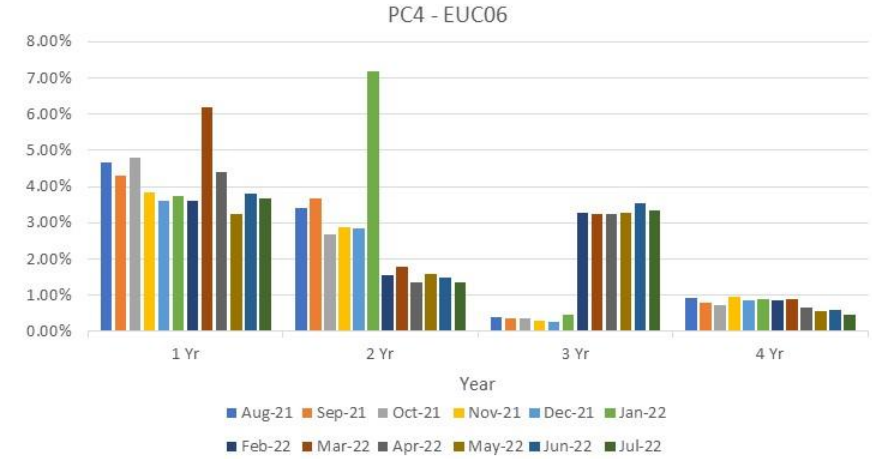
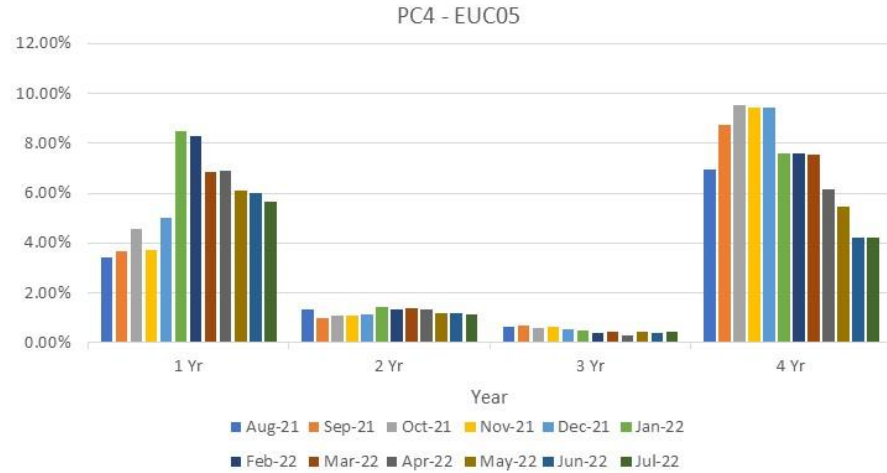
2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 3



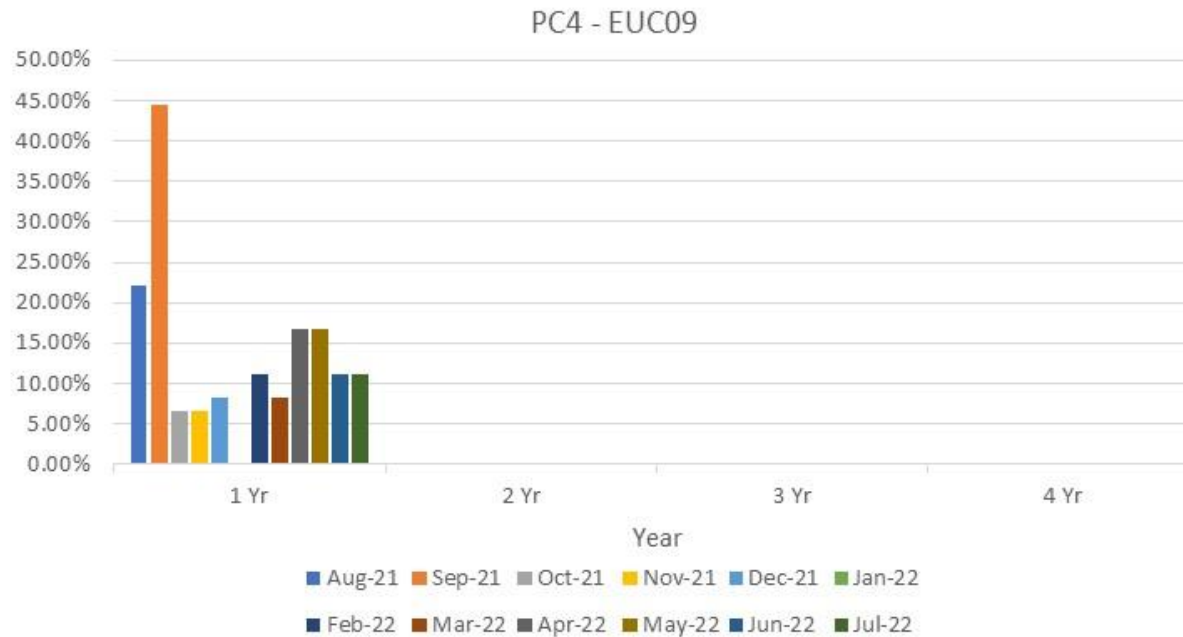
2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 4



2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 4



2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 4



2A.8 AQ Correction by Reason Code

Report measures the count of Shipper Portfolio of MPRNs where AQ Correction process used

Changes in total number of AQ corrections used

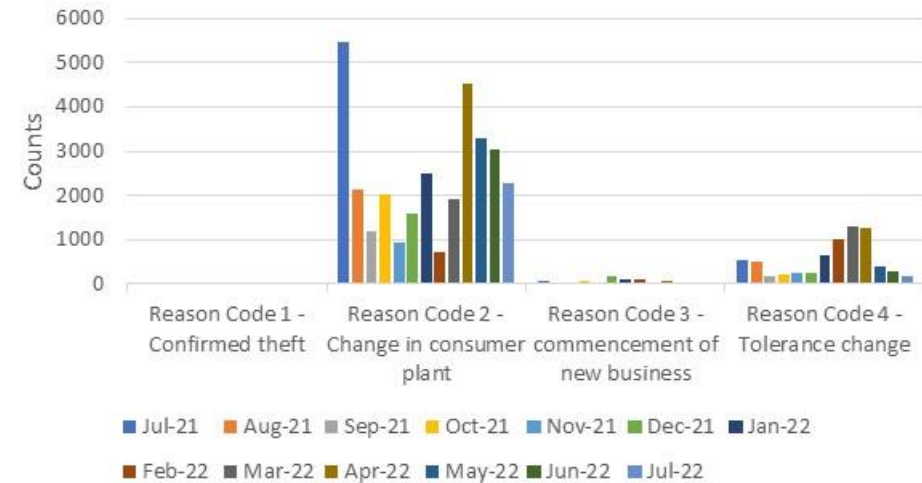
Reason Code 01- Confirmed Theft
 No Monthly or Annual Change

Reason Code 02- Change in Consumer Plant
 ↓ **783** Monthly Change
 ↓ **3190** Annual Change

Reason Code 03- Commencement of New Business
 ↑ **5** Monthly Change
 ↓ **48** Annual Change

Reason Code 04- Tolerance Change
 ↓ **88** Monthly Change
 ↓ **338** Annual Change

2A.8 Count of AQ Corrections used by reason code



Observations:

- The AQ corrections under “change in consumer plant” have been reducing over recent months, though a seasonal increase in April had occurred, in line with expectations.
- The PAC will continue to closely monitor this area, particularly with the development of modification of “Modification 0783R – Review of the AQ correction process”.

2A.9 Standard CF AQ > 732,000 kWh

Report measures the count of sites with an AQ>732,000 kWh, but having a standard correct factor

EUC04

↓ 10 Monthly Change
↓ 200 Annual Change

EUC07

↑ 1 Monthly Change
↑ 3 Annual Change

EUC05

↓ 3 Monthly Change
↑ 22 Annual Change

EUC08

↓ 2 Monthly Change
↓ 5 Annual Change

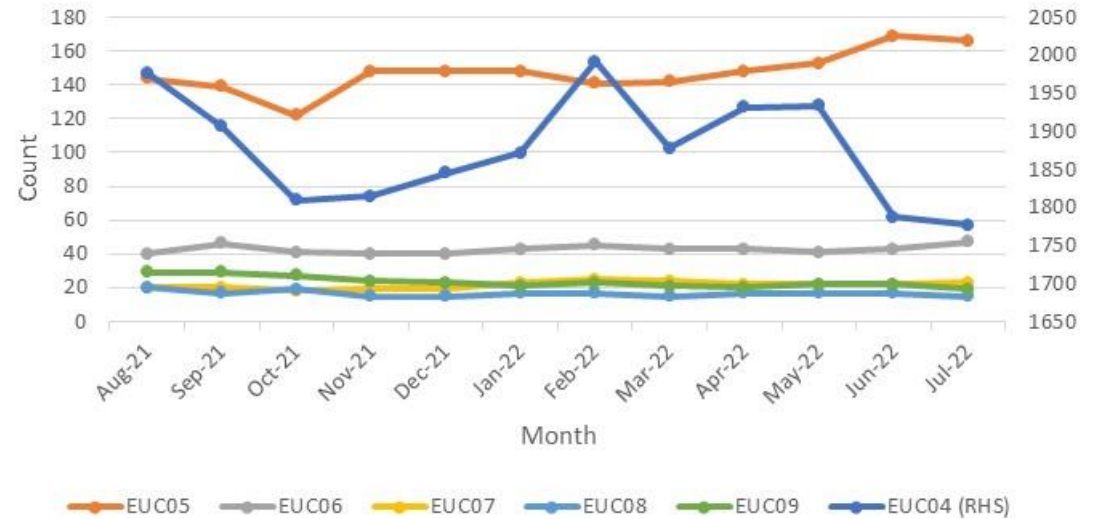
EUC06

↑ 4 Monthly Change
↑ 7 Annual Change

EUC09

↓ 3 Monthly Change
↓ 10 Annual Change

2A.9 Count of sites above >732,000 kWh using standard CF



Observations:

- EUC04 continues to have a significantly higher number of standard correction factors incorrectly used compared to other EUC bands.
- Work with the CDSP continues in the area, but PAC are aware of the implementation of UNC681s and the potential impacts on the reports.
- Monitoring will continue.

2A.10 Replaced Meter Read

Report measures the count of meter reading replacements which results in reconciliation adjustments

EUC01

↓ 20581 Monthly Change
↓ 4944 Annual Change

EUC02

↑ 573 Monthly Change
↑ 523 Annual Change

EUC03

↓ 151 Monthly Change
↑ 84 Annual Change

EUC04

↑ 54 Monthly Change
↑ 33 Annual Change

EUC05

↑ 6 Monthly Change
↑ 8 Annual Change

EUC06

↓ 4 Monthly Change
↓ 32 Annual Change

EUC07

↓ 5 Monthly Change
↓ 33 Annual Change

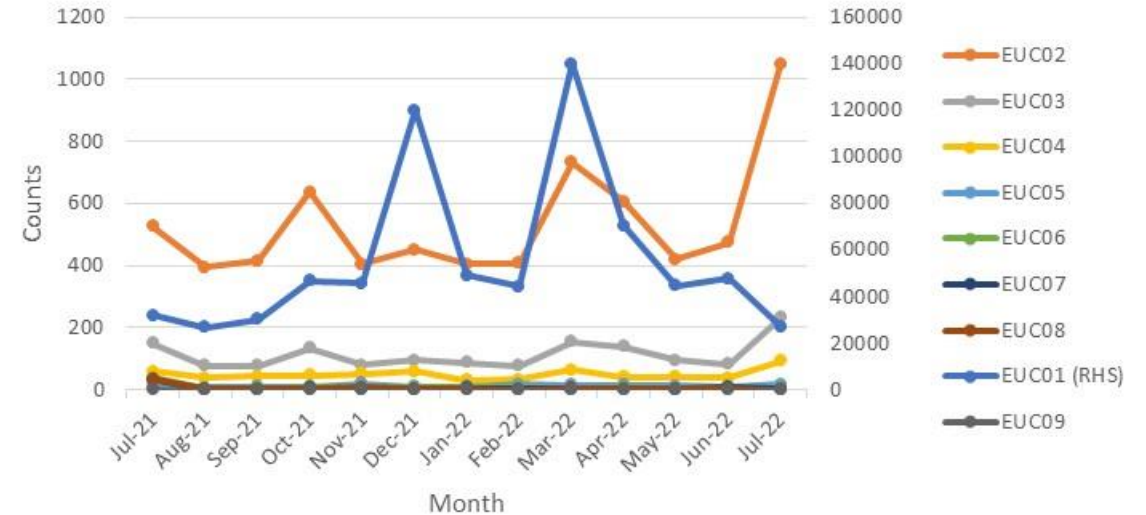
EUC08

↓ 1 Monthly Change
↓ 33 Annual Change

EUC09

↑ 1 Monthly Change

2A.10 Count of meter reading replaced by EUC



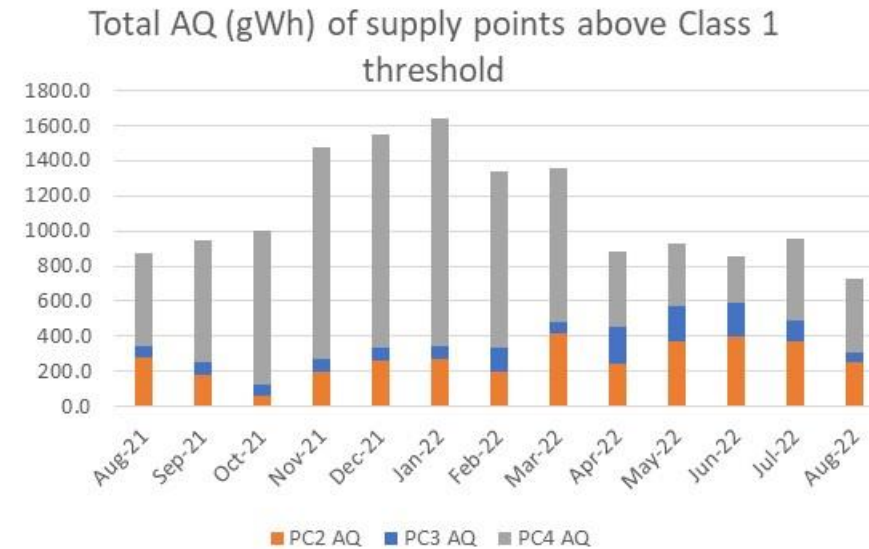
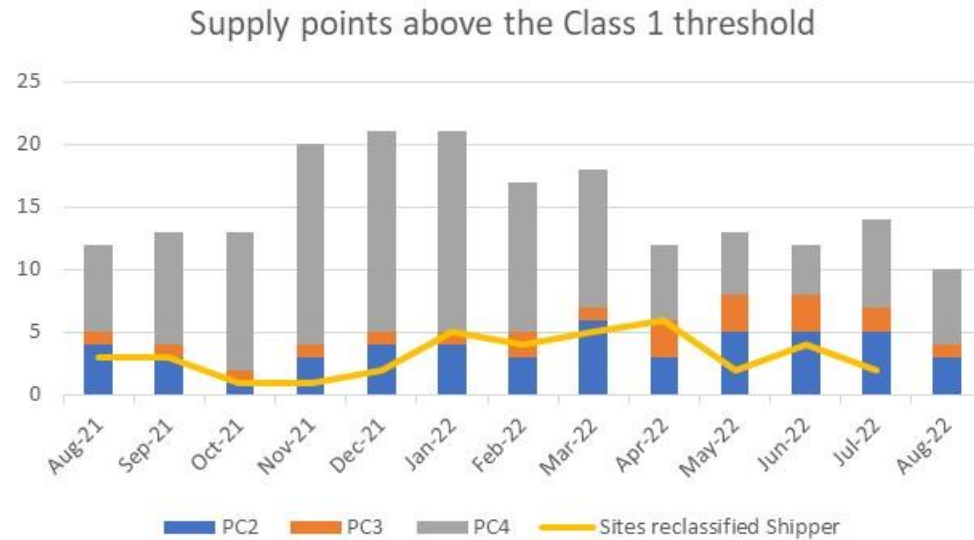
Observations:

- Work with the CDSP has enabled the PAC to identify that in general, the spikes are due to Shipper's cleansing their portfolio.



2A.11 Sites above Class 1 threshold not in Class 1

The report measures the number of sites meeting or approaching or have reached the criteria for re-confirmation as Class 1 as set out in UNC G2.3.15b



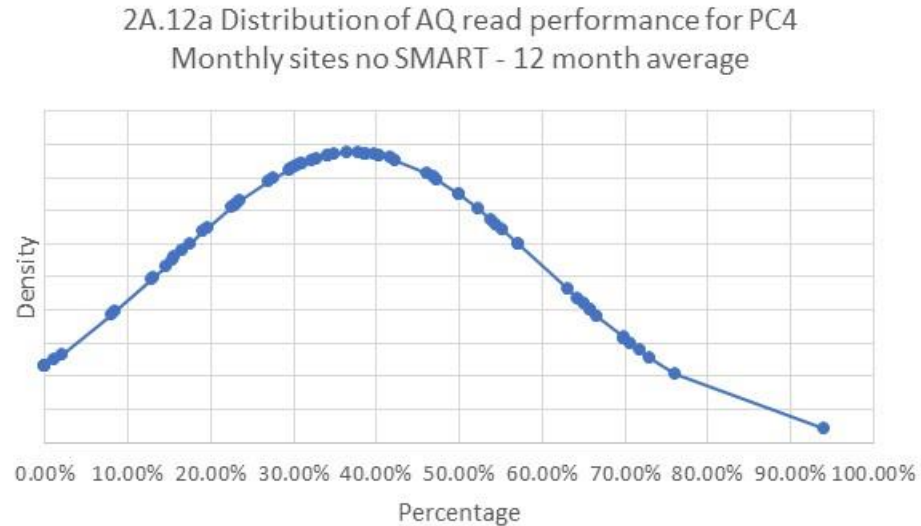
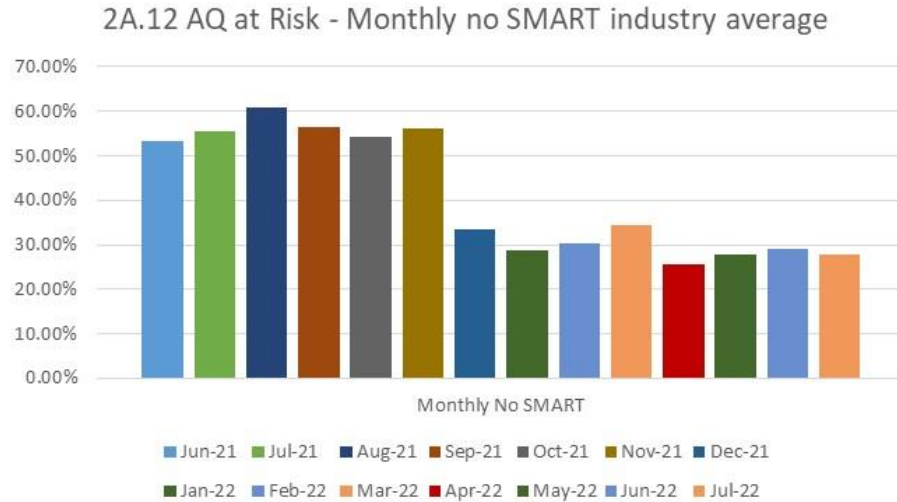
Observations:

- Number of sites above the class 1 threshold has increased over the past few months, with the majority of these sitting in Product Class 4.



2A.12a AQ Read performance – PC4 Monthly no SMART

The report measures the percentage of PC4 monthly read AQ for sites without a SMART meter with an AQ \geq 293000 kWh.



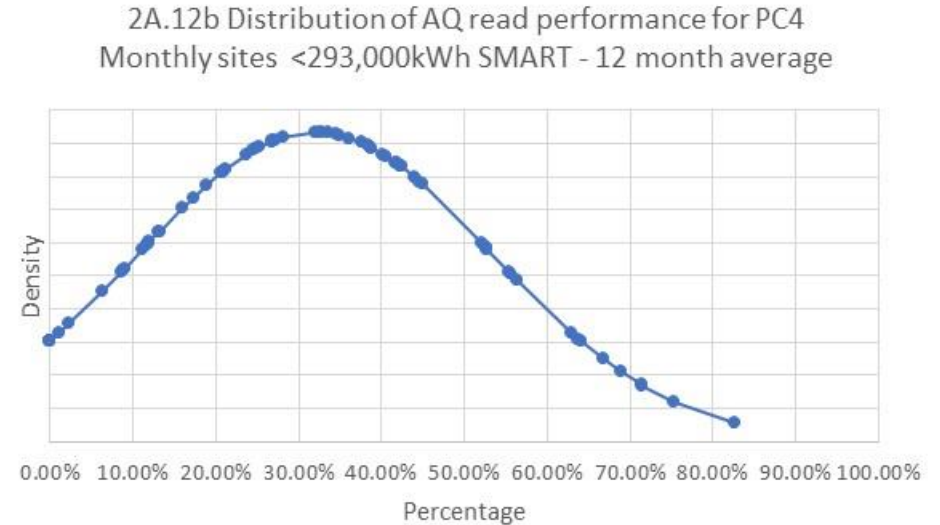
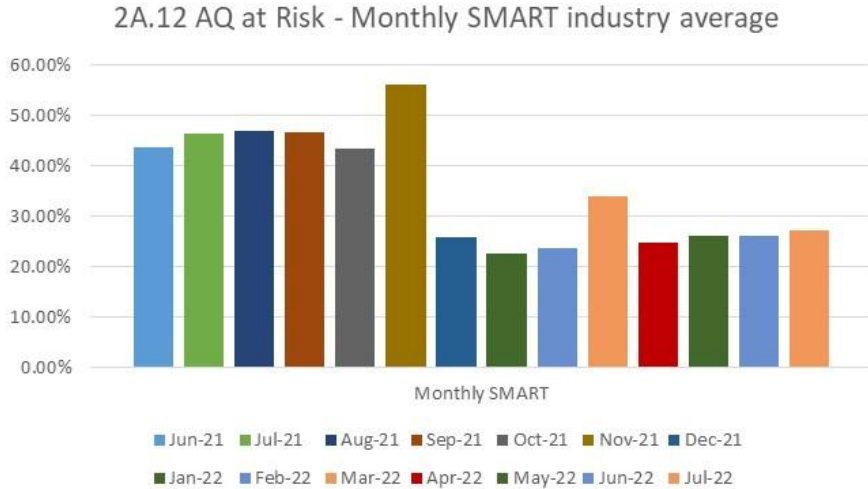
Observations:

- Industry average remains below target of 90% - a number of Shippers are operating below target (based on 12 month average).
- The step change decline in performance from November 2021 onwards is due to the correct logic being applied on the AQ Read Performance reports on the Data Discovery Platform (DDP).
- With the correct logic being deployed, the PAFA will work with Shippers on improving their performance in this area.
 - A number of Shippers remain on performance improvement plans.
 - Performance expected to decline as sites in the market increase due to implementation of Modification 0692.



2A.12b AQ Read performance – PC4 Monthly SMART

The report measures the percentage of monthly read AQ for sites <293,000 with SMART/AMR



Observations:

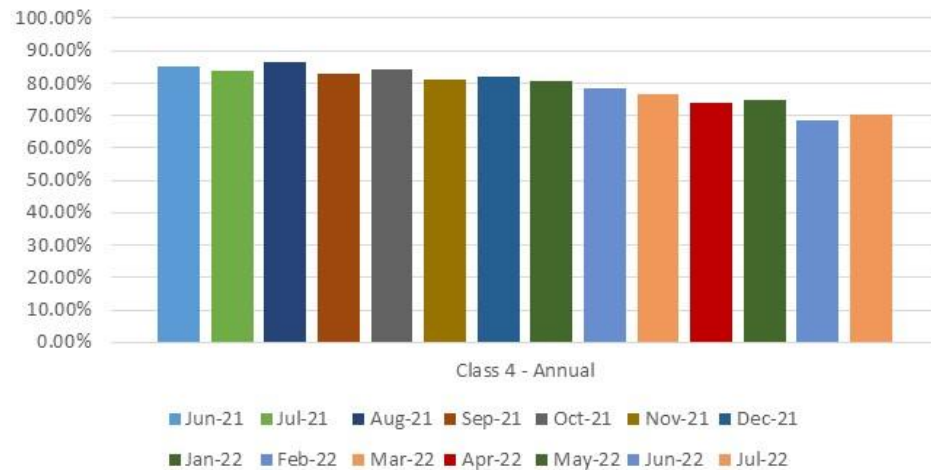
- The step change decline in performance from November 2021 onwards is due to the correct logic being applied on the AQ Read Performance reports on the Data Discovery Platform (DDP).
- With the correct logic being deployed, the PAFA will work with Shippers on improving their performance in this area.
 - A number of Shippers remain on performance improvement plans.
 - Performance expected to decline as sites in the market increase due to implementation of Modification 0692.



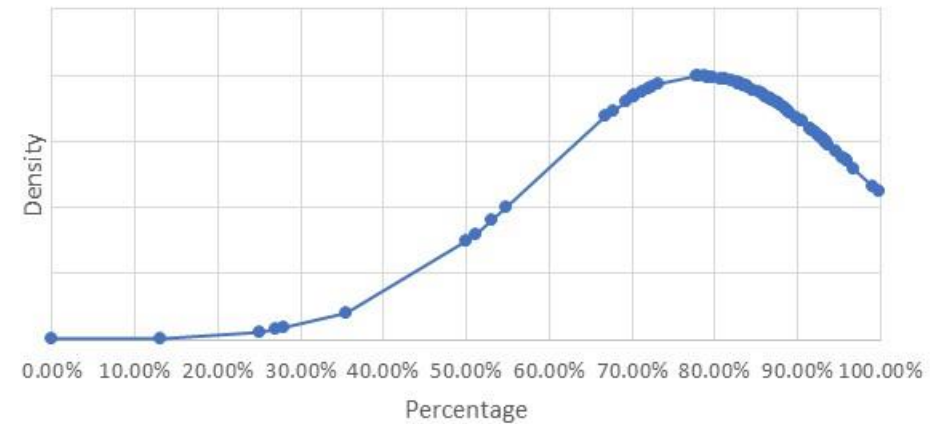
2A.12c AQ Read performance – PC4 Annual

The report measures the percentage of annually read AQ for sites <293,000 with no SMART/AMR

2A.12 AQ at Risk - Annual read industry average



2A.12c Distribution of AQ read performance for PC4 Annual sites -12 month average



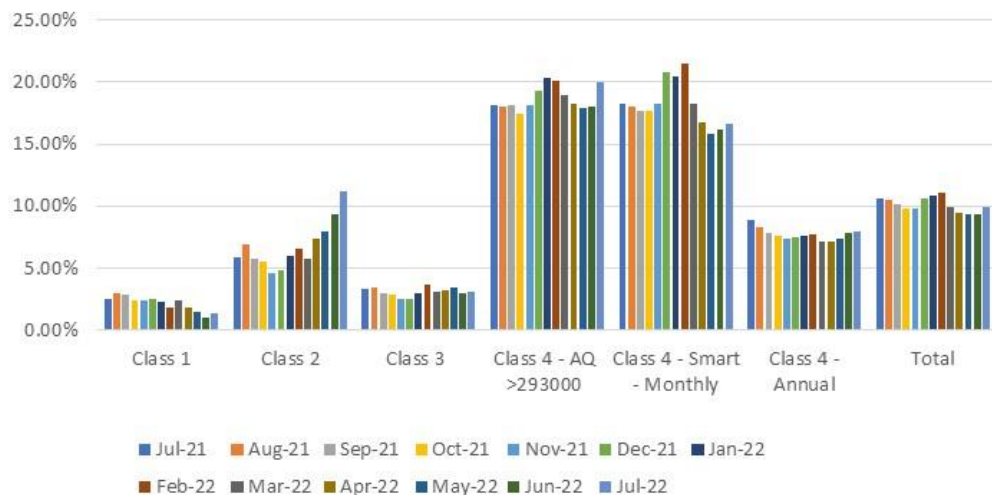
Observations:

- Performance remains relatively unchanged following the updated logic being applied to the reports.
- 77% of Shippers are performing below UNC target of 90% for June 2022.

2A.13 AQ at Risk

The report measures the percentage of Annual Quantity within each product class without a meter reading for the required duration as set out in the UNC.

2A.13 AQ at Risk - Product Class split



Observations:

- The majority of the AQ at risk sits within PC4.
 - There has been an increase in recent months to the SMART monthly category, accounting for one of the two top PC containing the largest volume of risk.
- PAFA continue to work with poorly performing Shippers to submit meter readings and reduce the volume of AQ at Risk.

Shippers with the highest percentage of AQ at Risk within their portfolio in July 2022:

Product Class 1

- Thimphu 2.32%
- Valletta 4.14%
- Canberra 6.70%

Product Class 4 – AQ>293000

- Maputo 100%
- Gibraltar 100%
- Tallinn 100%
- Majuro 100%
- Monaco 100%

Product Class 2

- Saipan 23.54%
- Thimphu 25.63%
- Rome 29.23%

Product Class 4 – Monthly SMART

- Kampala 100%
- Prague 100%
- Warsaw 100%

Product Class 3

- Monaco 22.57%
- Kampala 25.26%
- Paramaribo 100%

Product Class 4 - Annual

- Valletta 100%
- Warsaw 100%
- Marigot 100%



Appendix – PARR report details

| Report ID | Topic | Details | Split By | 12 Rolling Months | Report Format | e.g. for Nov Report | Condition |
|-----------|--|--|----------|-------------------|---------------|-------------------------------------|------------------|
| 2A.1 | Estimated & Check Reads | Estimated Reads: The percentage of Shippers portfolio where actual reads were not provided. Excludes NTS and Telemetered sites Check Reads: The number of MPRNS which have not had a site visit read for <=13 months | Class | Annual | Percentage | October | M-1 |
| 2A.2 | No Meter Recorded on the Supply Point Register | The percentage of a Shipper's portfolio where no meter is fitted at the supply point for more than 6 months. | Class | Annual | Percentage | October | M-1 |
| 2A.3 | No Meter Recorded on the Supply Point Register and Data Flows Received | The percentage of a Shipper's portfolio where no meter is fitted at the supply point for more than 6 months but data flows are received | Class | Annual | Percentage | October | M-1 |
| 2A.4 | Shipper Transfer Read Performance | Shipper provided an opening meter read within D+10 of transfer of ownership | Total | Annual | Percentage | October | M-1 |
| 2A.5 | Read Performance | Shipper to provide read as per frequency for each Product Class. Class and Shipper transfer are excluded. 6 monthly are considered as annual sites. | Class | Monthly | Percentage | October/ September (PC4 only) | M-1/M-2 (PC4) |
| 2A.6 | Meter Read Validity Monitoring | Percentage of Shippers portfolio which failed meter read validation MRE01026: Reading Breached lower outer tolerance MRE01027: Reading Breached upper outer tolerance MRE01028: Reading Breached lower inner tolerance and no override flag provided MRE01029: Reading Breached upper outer tolerance and no override flag provided MRE01030: Override tolerance passed and no override flag provided | Class | Monthly | Percentage | October | M-1 |



Appendix – PARR report details

| Report ID | Topic | Details | Split By | 12 Rolling Months | Report Format | e.g. for Nov Report | Condition |
|-----------|--|--|--------------------|-------------------|---------------------|---------------------|-----------|
| 2A.7 | No read for 1,2,3 or 4 years | Percentage of Shipper portfolio in the specified EUC band which has not received a read for the specified period. Estimates are not counted | EUC Band and Class | Annual | Percentage | October | M-1 |
| 2A.8 | AQ Corrections by reason code | Count of MPRNs on each Shippers portfolio where the AQ correction process was used. | Reason code | Annual | Count | October | M-1 |
| 2A.9 | Standard Correction Factors | Count of sites with an AQ>732,000 kWh which have used a standard correction factor instead of using a site specific correction factor as per the requirements | EUC Band | Annual | Count | October | M-1 |
| 2A.10 | Replaced Meter Reads | Count of sites which have replaced a meter read (actual meter reading with another actual meter read), with an updated AQ for the MPRN | EUC Band | Annual | Count | October | M-1 |
| 2A.11a | Sites above the Class 1 threshold which are not in Class 1 | Reports on all sites with an Annual Quantity over the mandatory Daily Metered threshold which are not in Class 1 as a count and as a total AQ. Separated between those that have fully met the UNC G2.3.15b criteria, and those that have not yet met them. | Current Class | Annual | Count and sum of AQ | Nov | M |
| 2A.11b | Count of sites reclassified to Class 1 by the Shipper and CDSP | Compares the number of qualifying sites which have been moved to Class 1 by the Shipper and by the CDSP each calendar month. | Shipper v CDSP | Annual | Count and sum of AQ | Oct | M-1 |



Appendix – PARR report details

| Report ID | Topic | Details | Split By | 12 Rolling Months | Report Format | e.g. for Nov Report | Condition |
|-----------|---|--|--------------------------|------------------------------|--------------------|---------------------|-----------|
| 2A.12 | Class 4 read submission performance | <p>Assesses performance against the Class 4 meter read performance, expressed as a percentage of total AQ in that Shipper's ownership. Targeting larger AQ sites would aid settlement by ensuring that more energy is reconciled more quickly.</p> <p>Sites are excluded if there was a change of Shipper or where an "operational" Smart or Advanced meter was fitted for the first time in the calendar month.</p> <p>Sub-divided by Meter reading obligations, a = Monthly due to AQ, b = Smart/AMR fitted c = non-Monthly</p> | Meter reading obligation | Annual | Percentage Read | Oct | M-1 |
| 2A.13 | Breakdown of AQ overdue for a Meter Reading | <p>Reports on the total AQ by Shipper which is overdue for a meter reading.</p> <p>"Overdue" for the purposes of this report is UNC obligation plus 2 or 3 months, i.e.</p> <ul style="list-style-type: none"> - Class 1, 2, 3 - no read for three months - Class 4 monthly read sites - no read for three months - Class 4 non-monthly read sites - no read for 15 months | Meter reading obligation | Current and prior month only | Percentage overdue | Oct | M-1 |

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