

AUGUST 23 - GEMSERV

PARR DASHBOARDS

15TH AUGUST 2023



Gemserv

MAKING THINGS THAT MATTER WORK BETTER

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:

↓ 1.28% - Monthly change

↑ 0.89% - Annual change

Monthly changes:

↑ 1.11% Taipei

↑ 2.55% Manama

↑ 2.60% Thimphu

↓ 5.26% Valletta

↓ 14.27% Khartoum

↓ 14.52% Tehran

PC2

Industry movement:

↓ 0.41% - Monthly change

↓ 2.18% - Annual change

Monthly changes:

↑ 0.11% Washington

↑ 0.31% Philipsburg

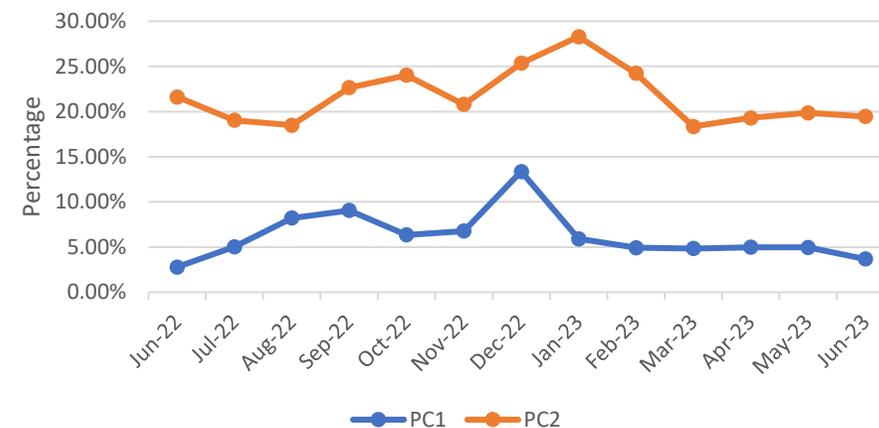
↑ 7.24% Abuja

↓ 6.45% Luanda

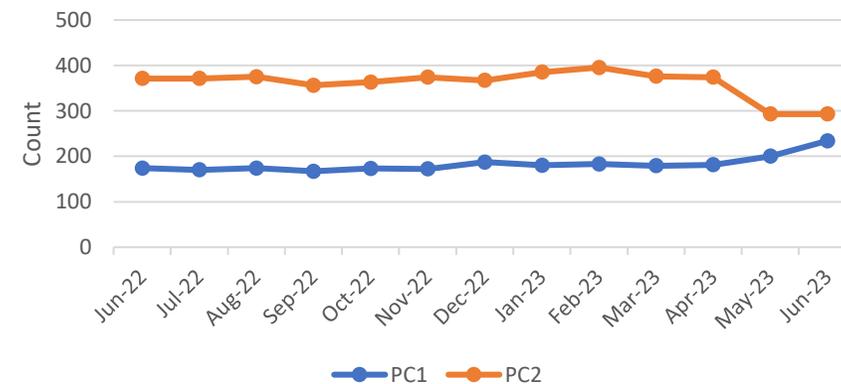
↓ 10.35% Brazzaville

↓ 20.81% Lisbon

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



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

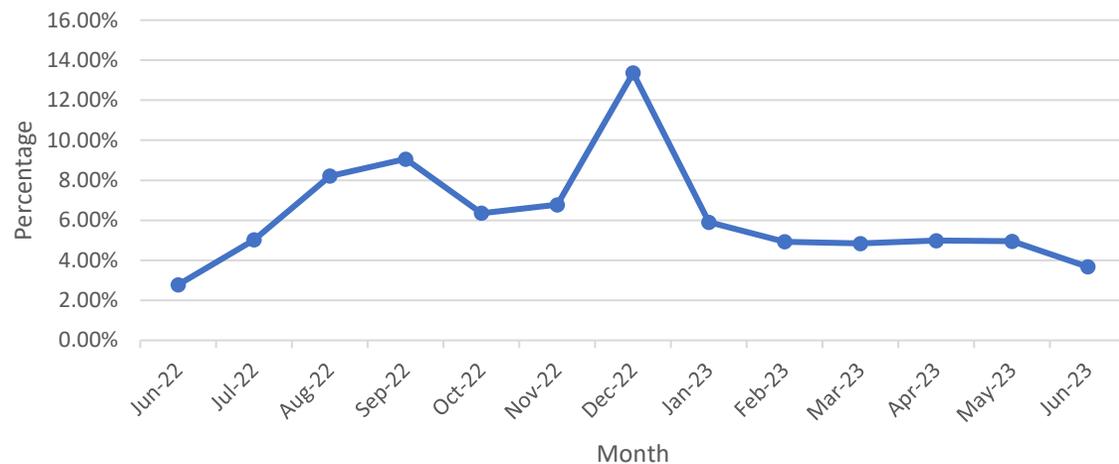


Observations:

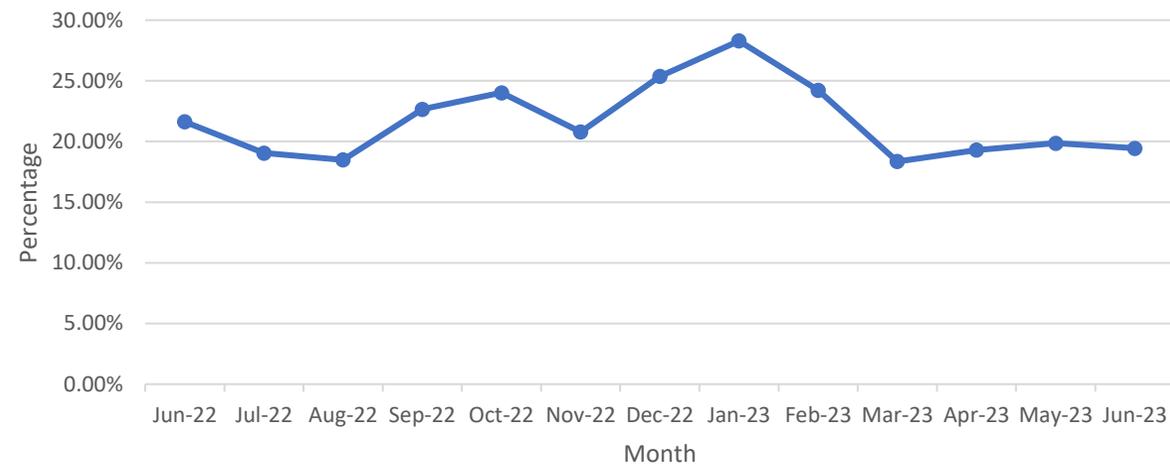
- An RFI letter was issued to five Shipper parties in respect of PC2 read performance, the purpose of the RFI was to better understand challenges faced in meeting PC2 UNC read requirements. PAFA is expecting to be able to provide an overview of responses received at the September PAC meeting (13/09/2023)
- The percentage of estimated readings generated for PC1 SPs is at its lowest level (3.67%) since June 2022 (2.78%)
- Outstanding check reads in respect of PC1 SPs has increased to its highest level since October 2021 - this being 234 SPs across all Shipper parties
- Outstanding check reads in respect of PC2 SPs has remained the same as last month (293 SPs across all Shipper parties) however the Shipper Thimphu has seen a notable increase (8 to 33)

2A.1 ESTIMATED & CHECK READS - PRODUCT CLASSES 1 & 2

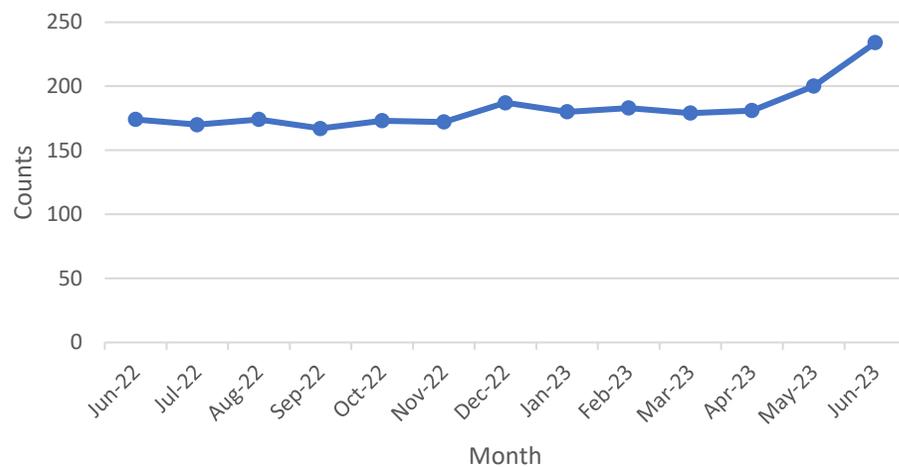
2A.1 PC1 Estimated Read Totals



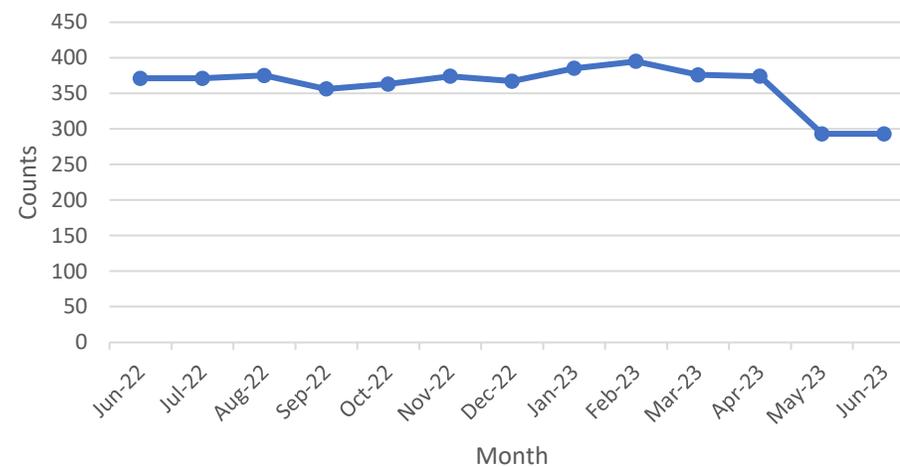
2A.1 PC2 Estimated Read Totals



2A.1 PC1 Check Reads Total



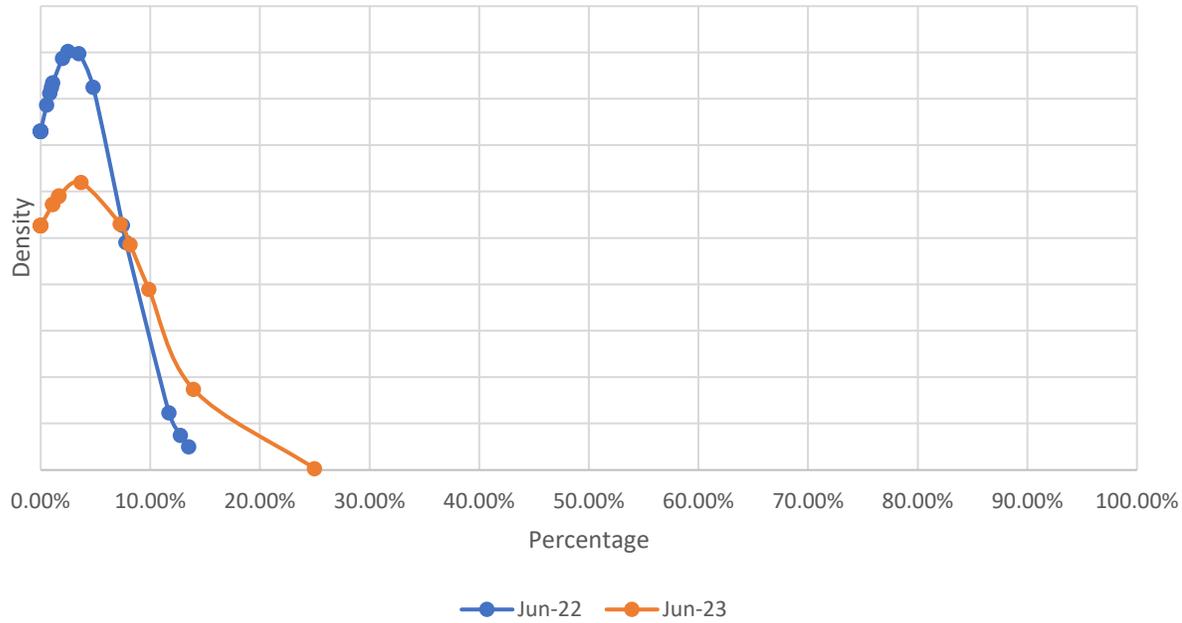
2A.1 PC2 Check Read Totals



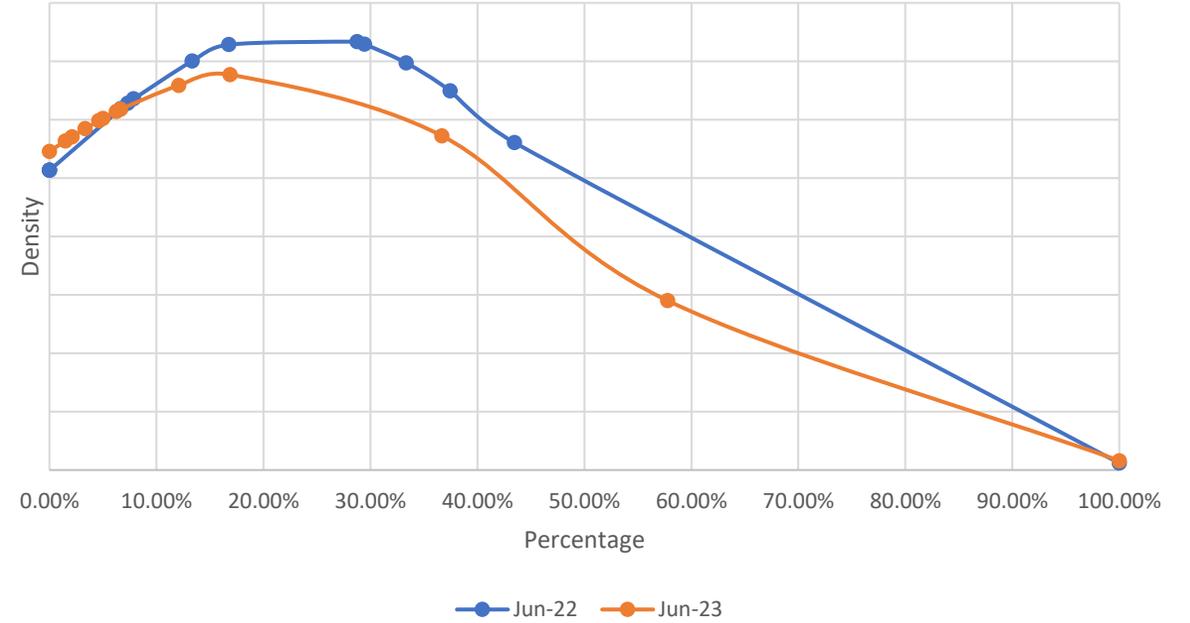
2A.1 ESTIMATED & CHECK READS - PRODUCT CLASSES 1 & 2



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 Shipper's portfolio where no meter is recorded in the Supply Point (SP) Register

PC1

0% for all Shippers

PC2

Highest Shippers:
Tehran **100%**

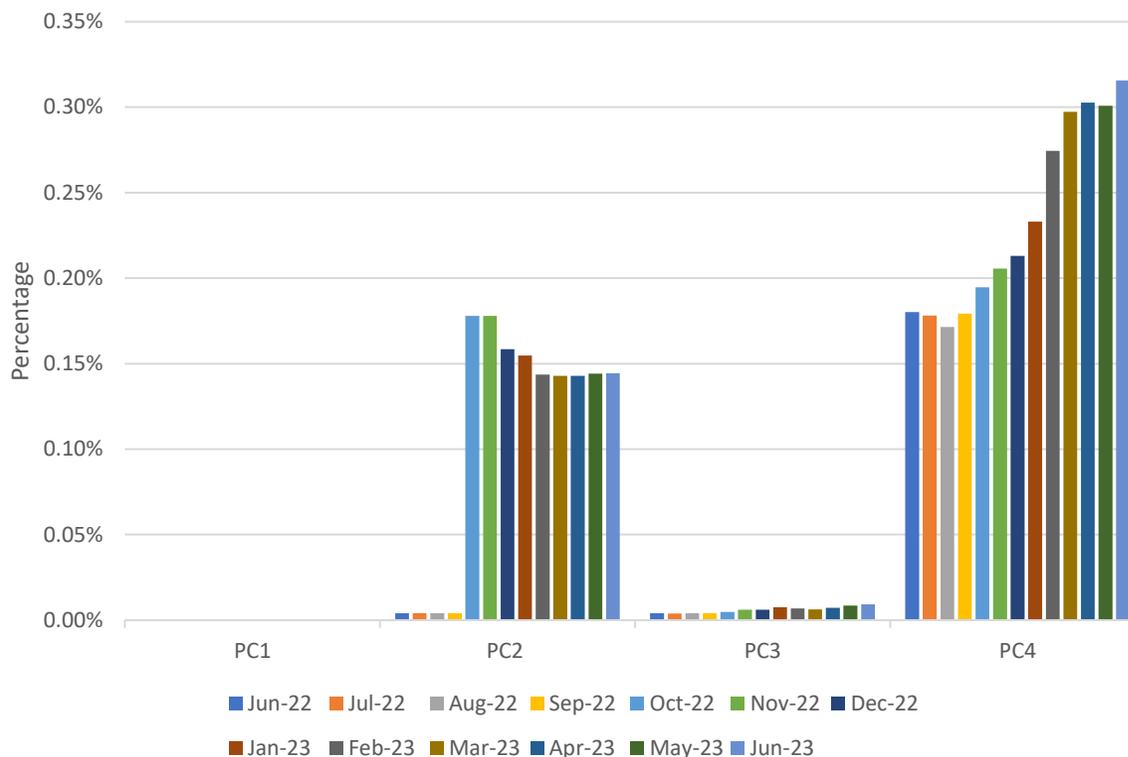
PC3

Highest Shippers:
Islamabad **0.02%**
Rome **0.08%**
Mogadishu **3.90%**

PC4

Highest Shippers:
Maputo **12.50%**
Reykjavik **12.50%**
Luxembourg **42.11%**

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



Observations:

- The percentage values within the PC4 category has gradually increased over the period June 2022 – June 2023 this is also reflected in the volume of SPs with no meter recorded in this market
- PC4 (by volume of SPs) count is now 64,451 SPs across all Shipper portfolios, this being the highest volume since October 2021
- Shipper Tehran has experienced problems submitting a voluntary withdrawal to remove the one affected PC2 SP from its portfolio, the Shipper is however aware of the root cause of the problem and is looking to resolve accordingly

2A.3 NO METER RECORDED AND DATA FLOWS RECEIVED



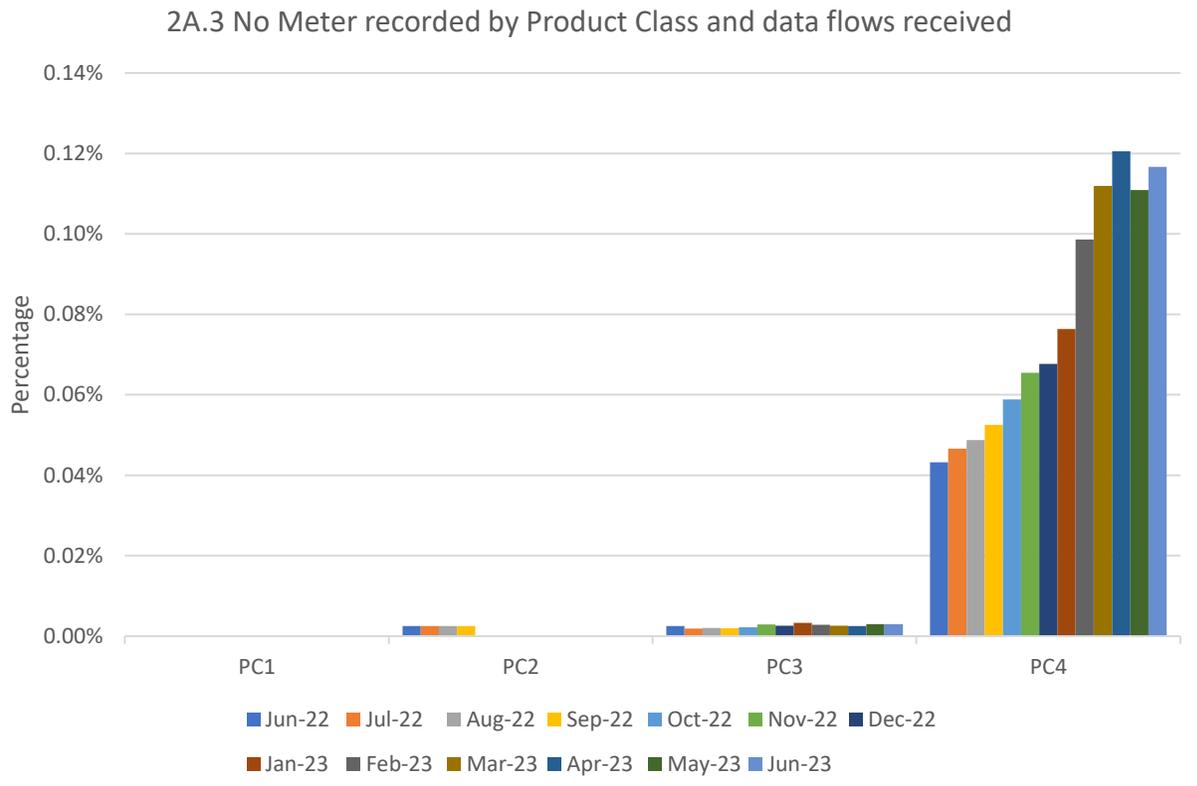
Report measures the percentage of each Shipper's portfolio where no meter is recorded in the Supply Point Register and data flows received

PC1
0% for all Shippers

PC2
0% for all Shippers

PC3
Highest Shippers:
Islamabad 0.02%
Rome 0.02%
Mogadishu 1.30%

PC4
Highest Shippers:
Thimphu 0.67%
Accra 1.14%
Ashgabat 7.32%



Observations:

- Shipper Ashgabat has seen a notable rise in the volume of PC4 SPs whereby a dataflow has been submitted yet no meter is recorded within the CDSP system (no instances prior to June 2023)
- Shipper Paramaribo has seen a month on month increase in the volume of PC4 SPs whereby a dataflow has been submitted yet no meter is recorded within the CDSP system within the reporting period (June 2022 – June 2023)

2A.4 - SHIPPER TRANSFER READ PERFORMANCE



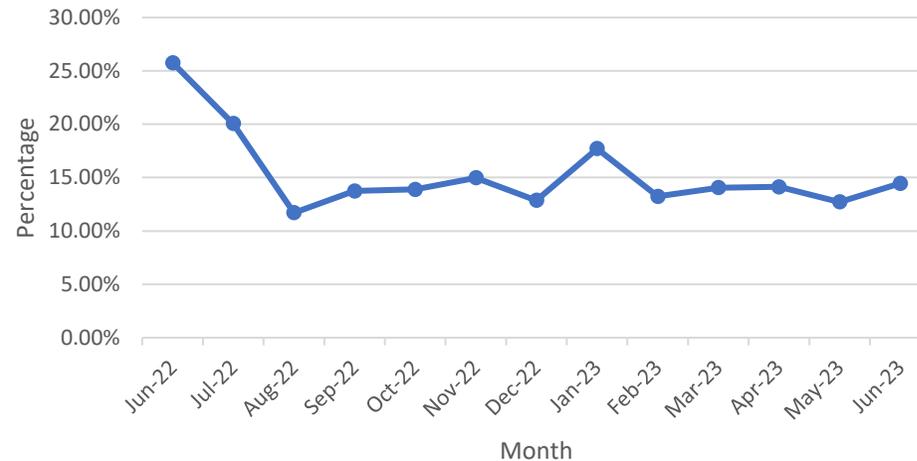
Report measures the percentage of Shipper portfolio of opening meter readings provided by the incoming Shipper passing read validation following transfer of ownership

Industry movement:

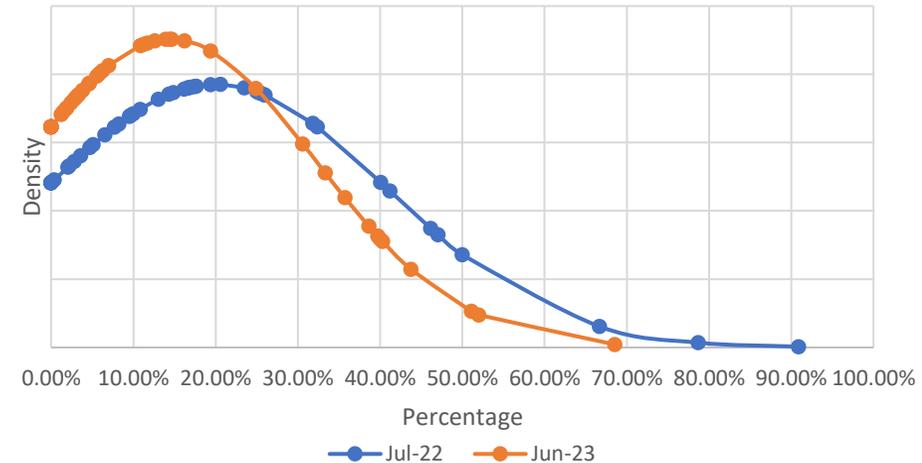
↑ 1.74% - Monthly change

↓ 11.29% - Annual change

2A.4 Percentage of opening meter reads provided by industry total



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



Observations:

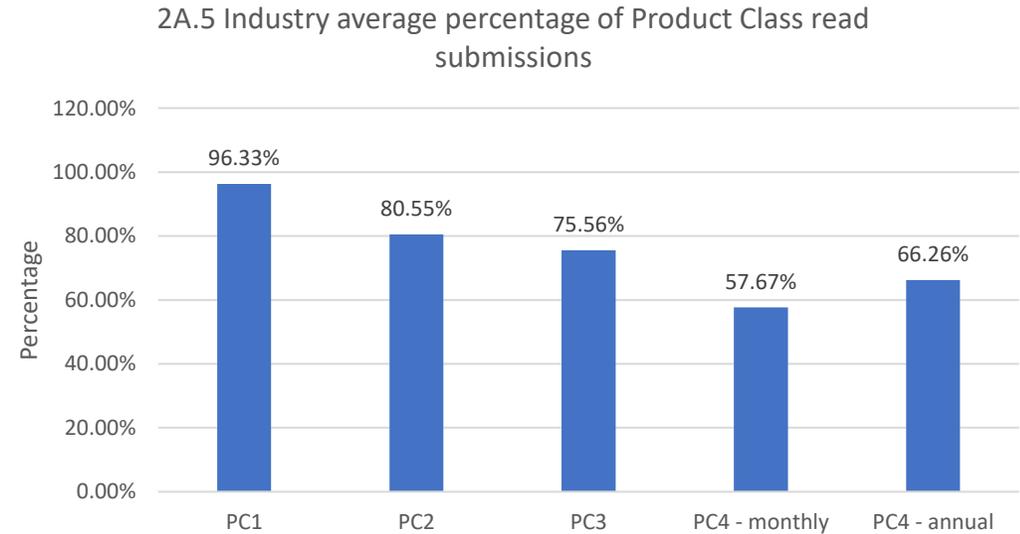
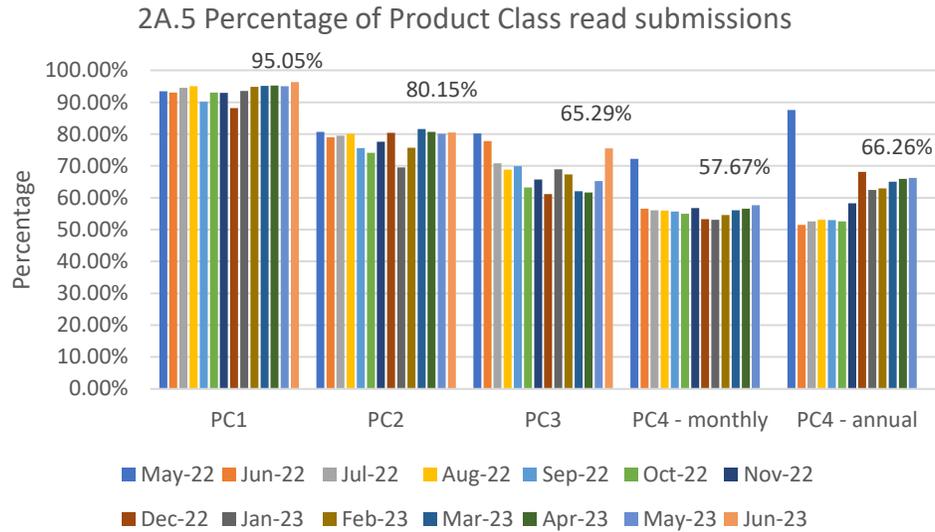
- Shipper Transfer Read Performance (measured across all PC categories) of which entails the provision of an opening meter reading by the incoming Shipper has remained under 30% for the reporting period
- PAFA is discussing Shipper Transfer Read Performance reporting statistics with the CDSP to ensure that data received is as accurate as possible

2A.5 - READ PERFORMANCE



Report measures the average percentage of Shipper portfolio submitting reads in June 2023.

PC4 Monthly and Annually read measures the average percentage of Shipper portfolio submitting reads in May 2023.



Poorest performing Shippers:

PC1

75.00% Lisbon
86.04% Thimphu
90.11% Valletta

PC2

0% Tehran
42.22% Abuja
63.33% Valletta

PC3

0% Philipsburg
0% Sarajevo
0% Zagreb
53.33% Valletta
61.24% Brazzaville
70.61% Khartoum

PC4 (Monthly)

0% Ashgabat
0% Berlin
0% Gibraltar
0% Luxembourg
0% Maputo
0% Reykjavik
0% Vienna

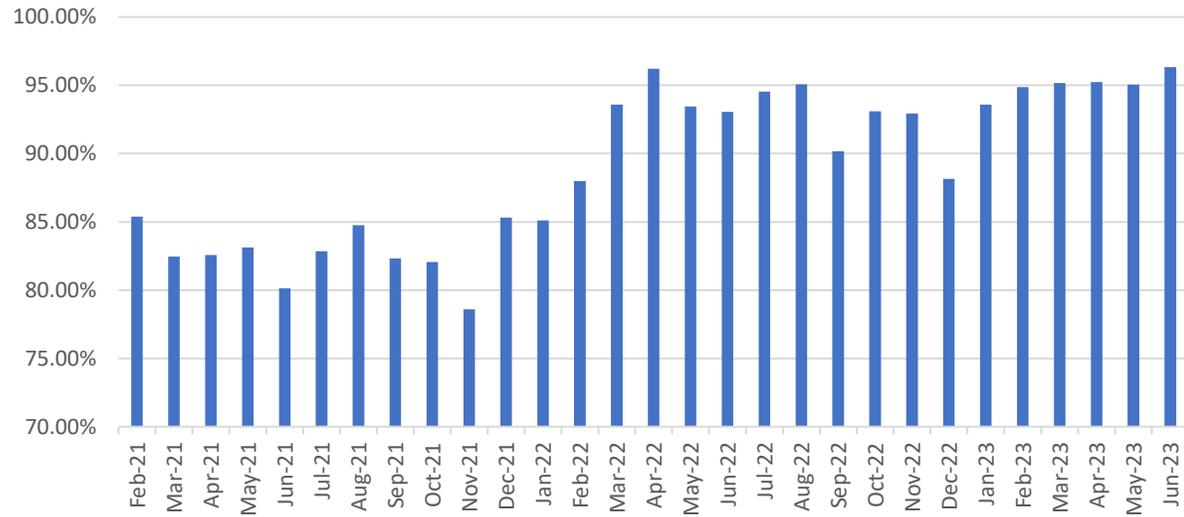
PC4 (Annual)

0% Bamako
0% Berlin
0% Djibouti
0% Gibraltar
0% Luxembourg
0% Majuro
0% Reykjavik
0% Tallinn

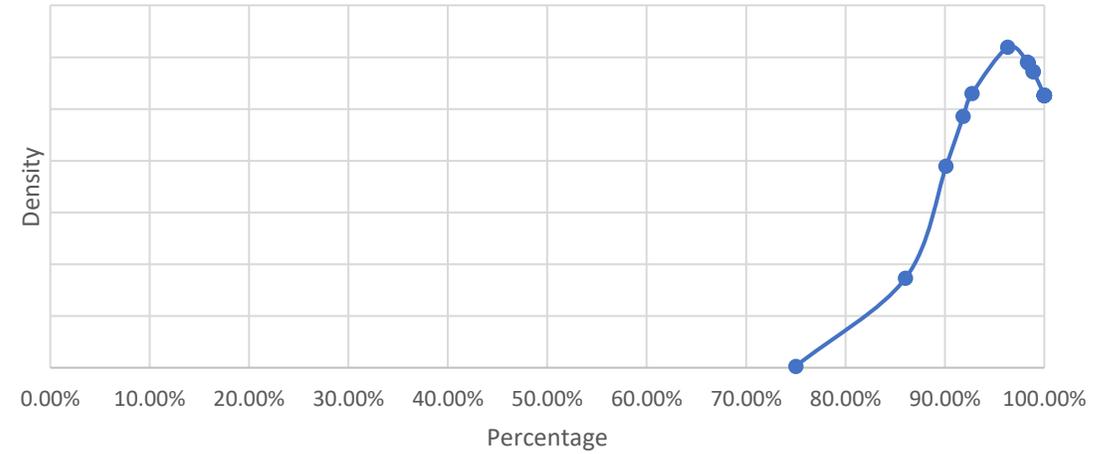
2A.5 - READ PERFORMANCE (PC1)



Read Performance - PC1



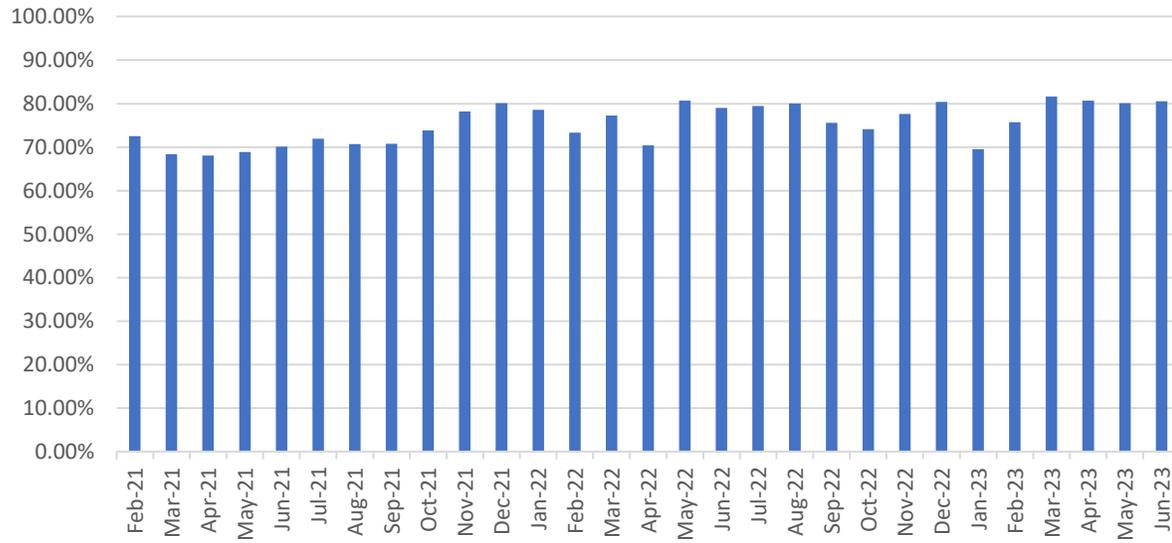
2A.5 Distribution of percentage of PC1 sites providing meter reads



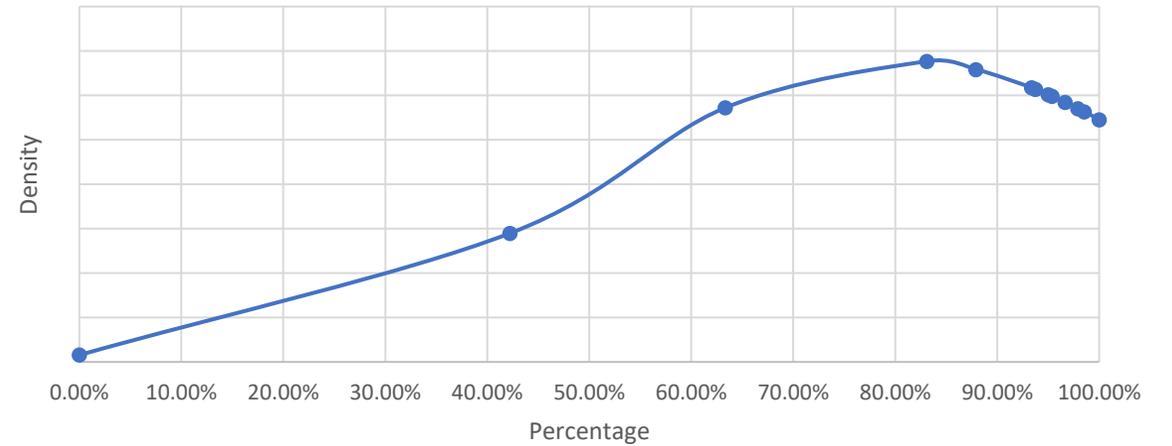
2A.5 - READ PERFORMANCE (PC2)



Read Performance - PC2



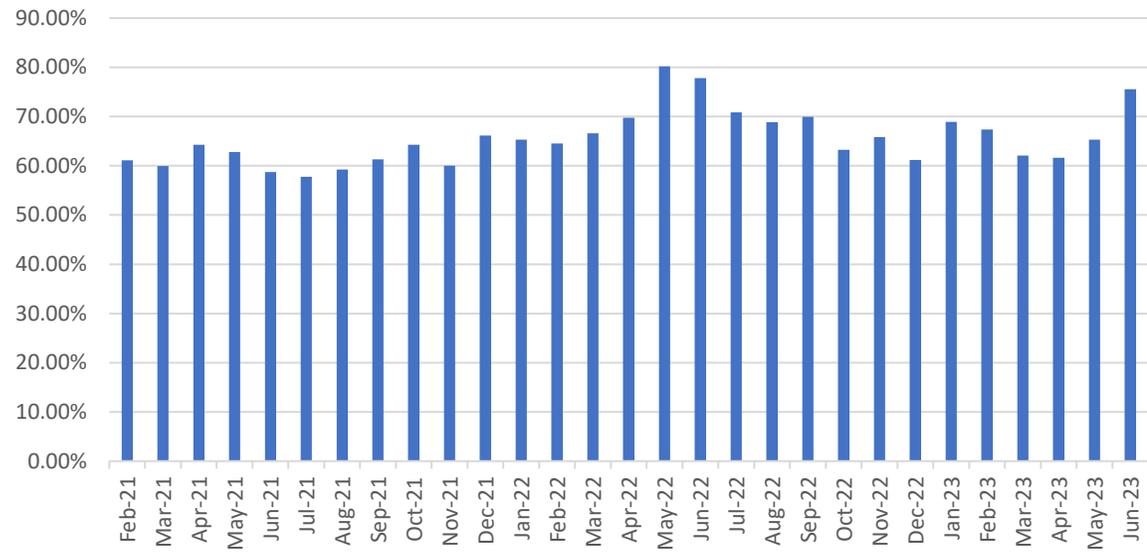
2A.5 Distribution of percentage of PC2 sites providing meter reads



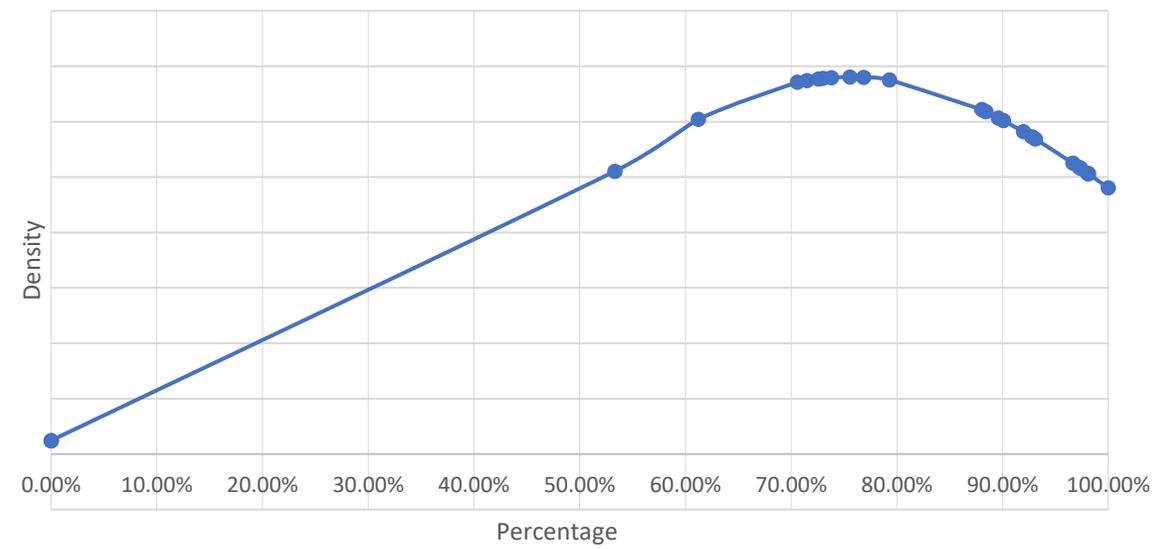
2A.5 - READ PERFORMANCE (PC3)



Read Performance - PC3



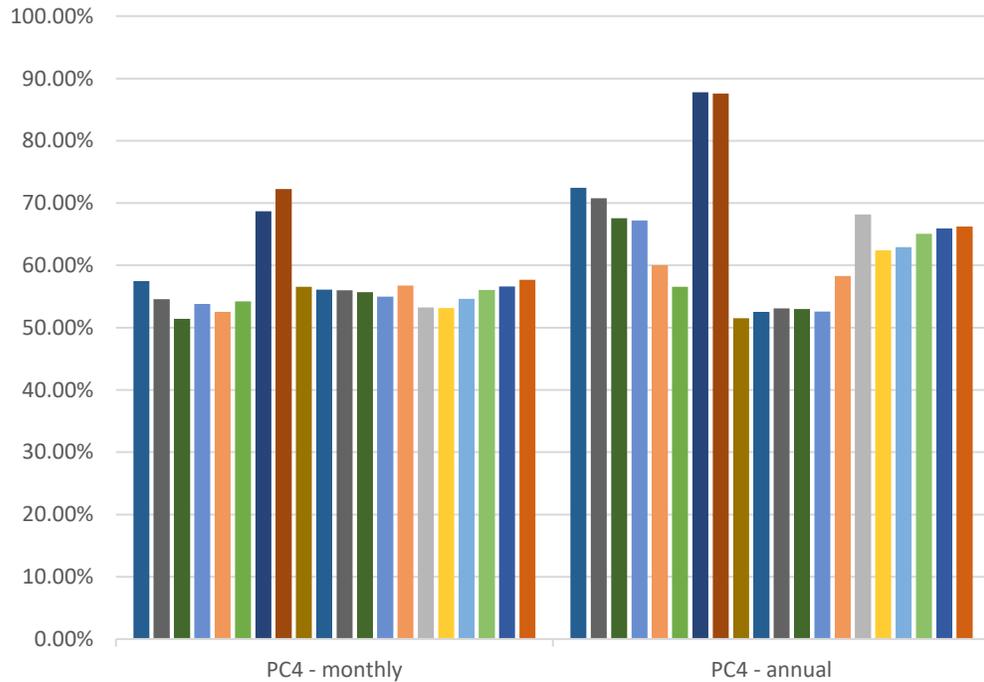
2A.5 Distribution of percentage of PC3 sites providing meter reads



2A.5 - READ PERFORMANCE (PC4)

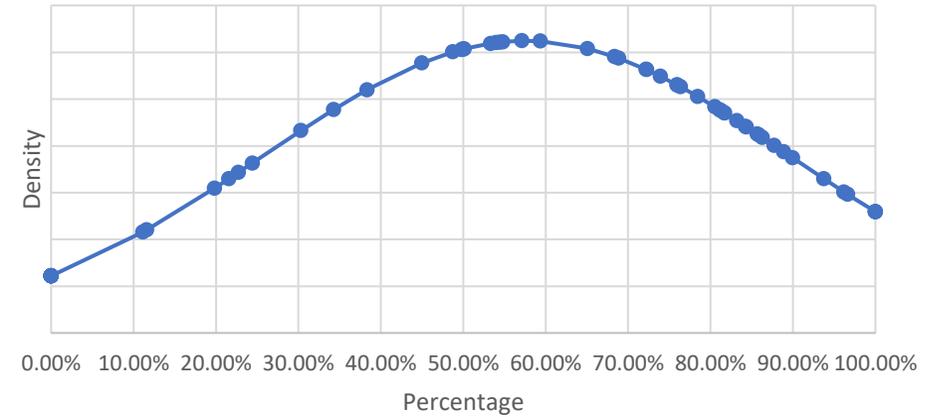


Read Performance - PC4

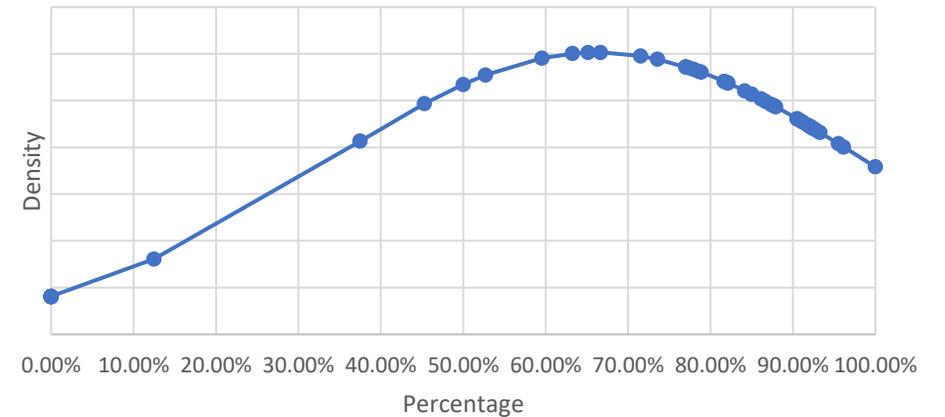


- Oct-21
- Nov-21
- Dec-21
- Jan-22
- Feb-22
- Mar-22
- Apr-22
- May-22
- Jun-22
- Jul-22
- Aug-22
- Sep-22
- Oct-22
- Nov-22
- Dec-22
- Jan-23
- Feb-23
- Mar-23
- Apr-23
- May-23

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



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

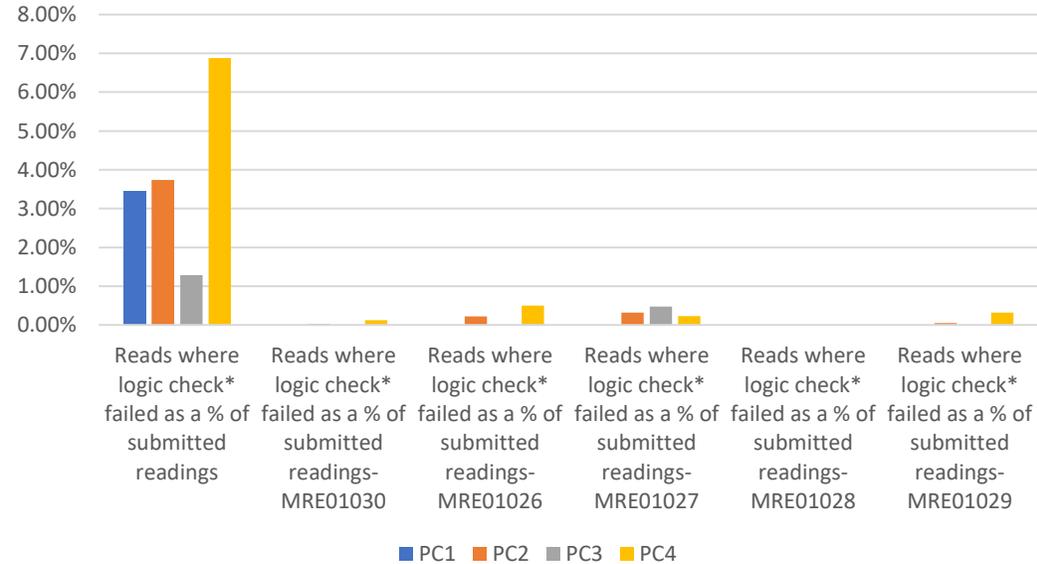


2A.6 METER READ VALIDITY MONITORING



Report measures the percentage of Shipper portfolio where readings submitted failed read validation

2A.6 Industry total percentage of meter read validity failure by Product Class - June 2023



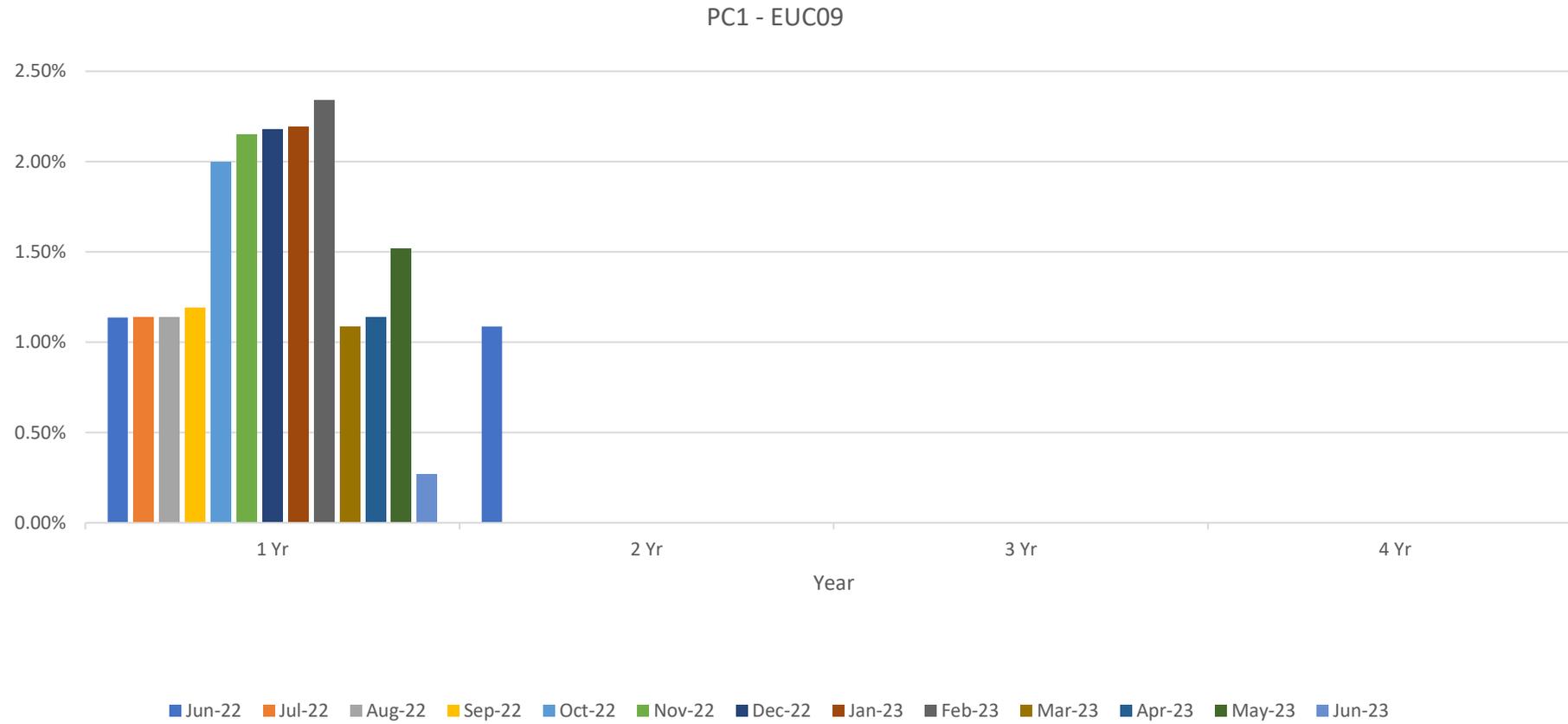
- RFI requests are to be issued to 12 Shipper parties whereby high levels of meter read validity volumes (>20%) alongside associated poor meter reading performance levels (<70%) have been identified in PC3 & PC4 categories

| Product Class | Reads where logic check* failed as a % of submitted readings | MRE01030 | MRE01026 | MRE01027 | MRE01028 | MRE01029 |
|---------------|--|------------------|----------------|-----------------|----------|-------------------|
| 1 | Monaco – 19.20% | N/A | N/A | N/A | N/A | N/A |
| 2 | Athens – 26.47% | Valletta – 1.36% | Rome – 0.28% | Thimphu – 2.48% | | Abuja – 0.62% |
| 3 | Roseau – 39.60% | Monaco – 4.50% | Gitega – 0.01% | Kampala – 4.10% | | Monaco – 15.74% |
| 4 | Thimphu – 62.29% | Papeete – 8.08% | Doha – 1.89% | Thimphu – 1.90% | | Belmopan – 13.78% |

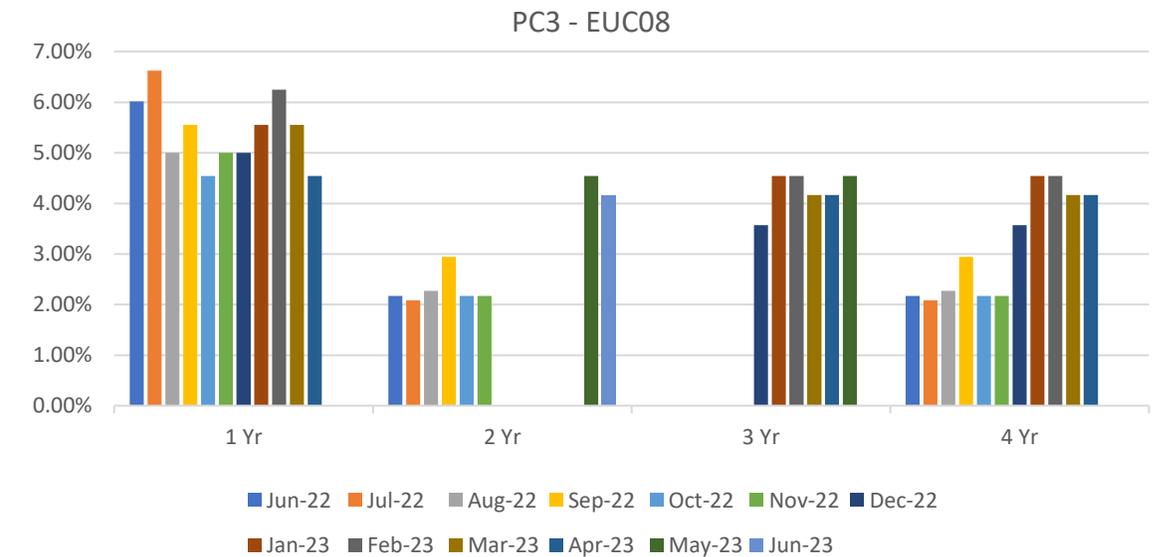
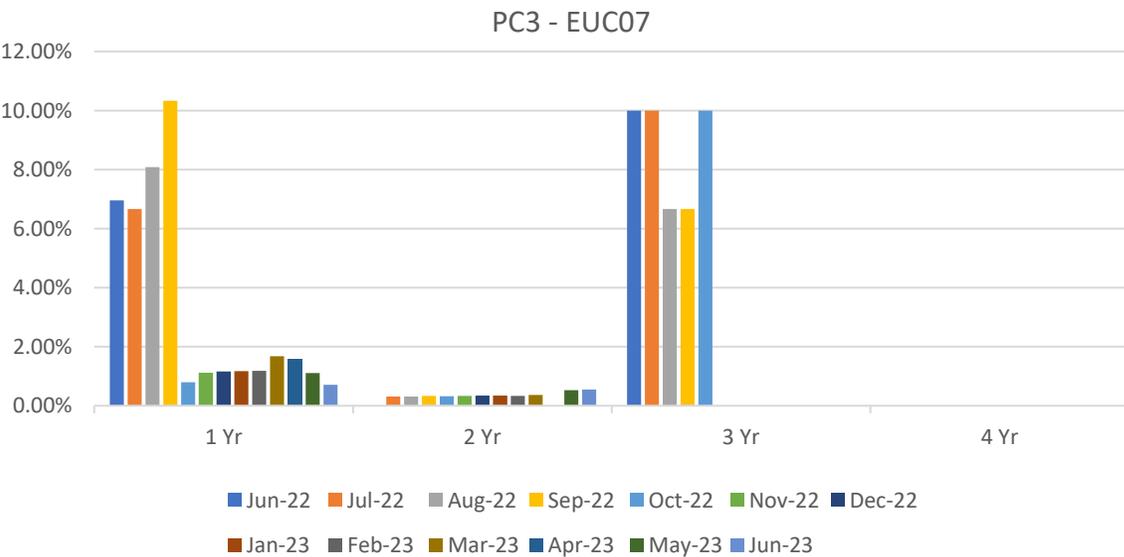
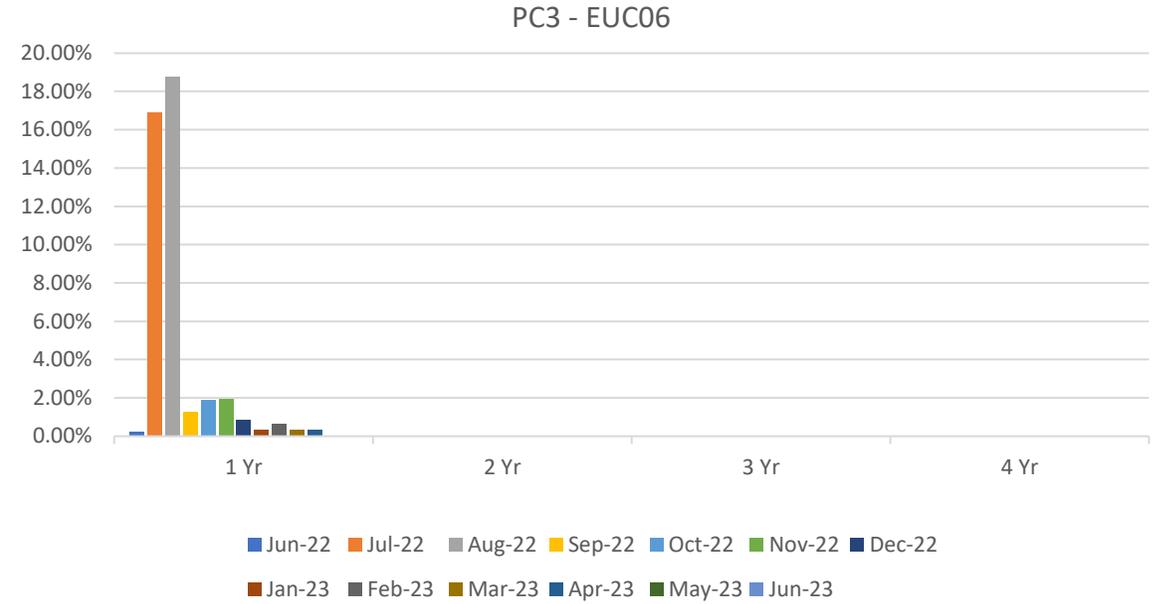
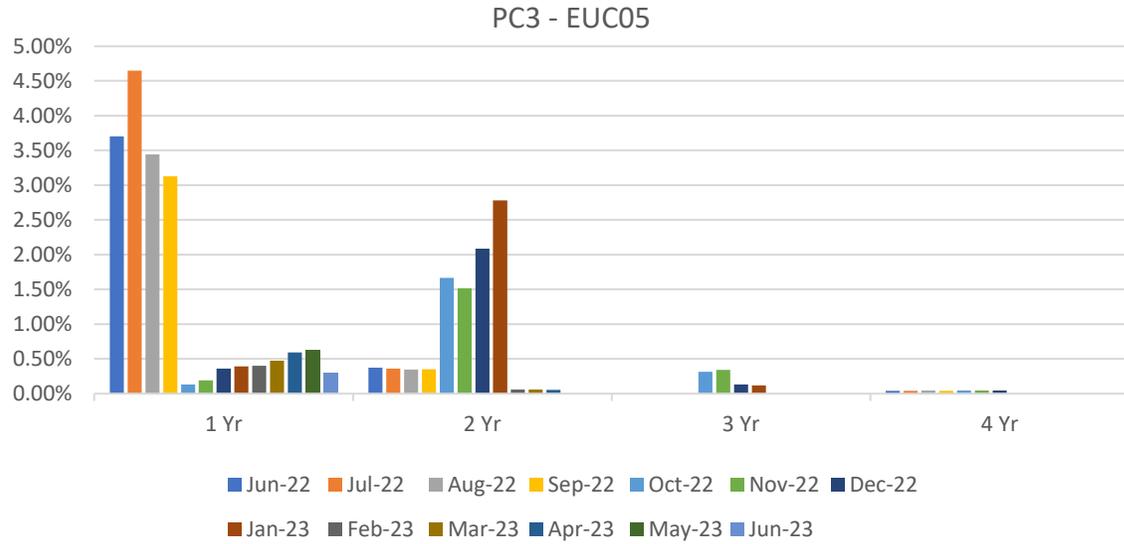
2A.7 NO READS RECEIVED FOR 1, 2, 3 OR 4 YEARS - PRODUCT CLASS 1



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



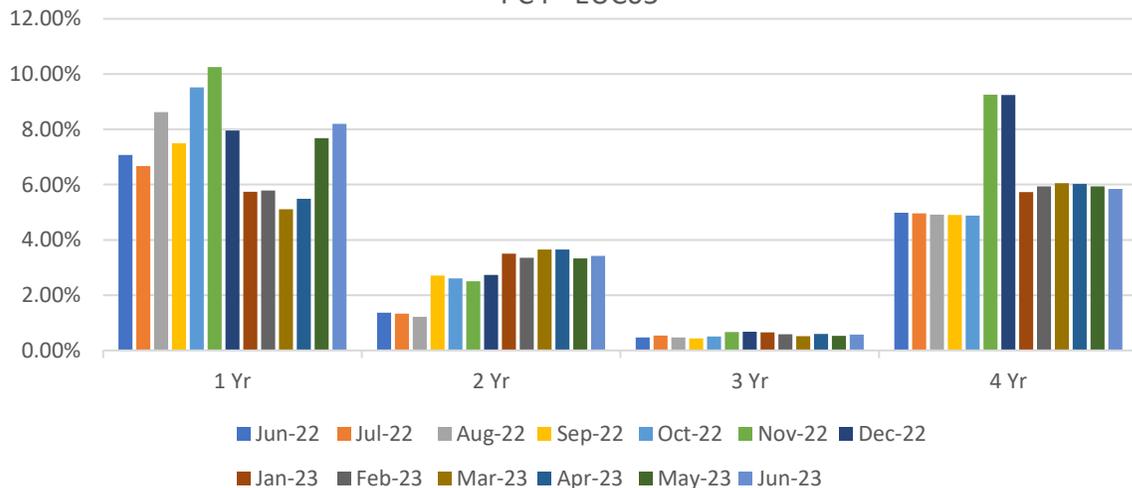
2A.7 NO READS RECEIVED FOR 1, 2, 3 OR 4 YEARS - PRODUCT CLASS 3



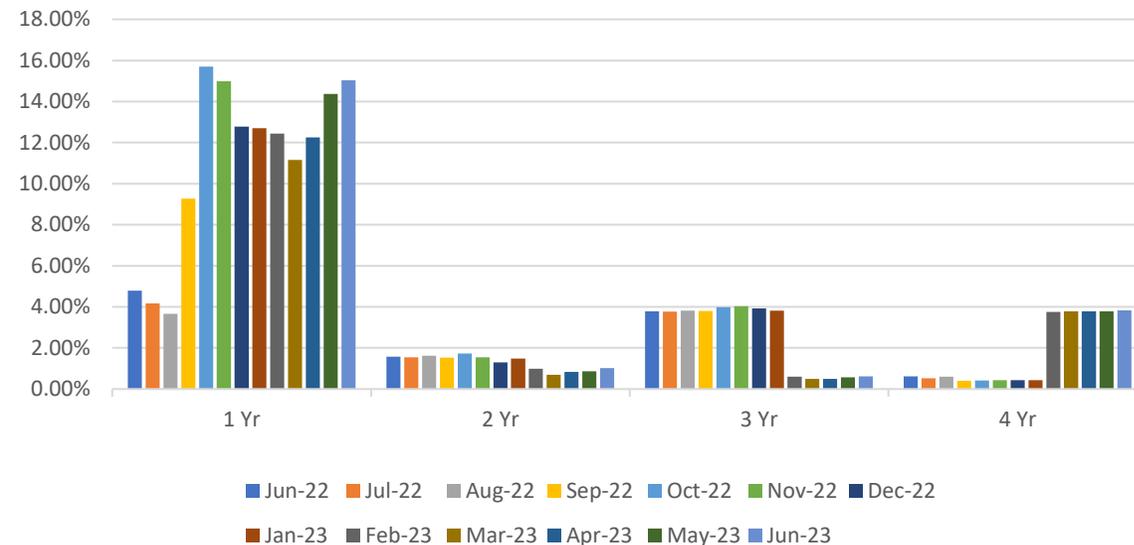
2A.7 NO READS RECEIVED FOR 1, 2, 3 OR 4 YEARS - PRODUCT CLASS 4



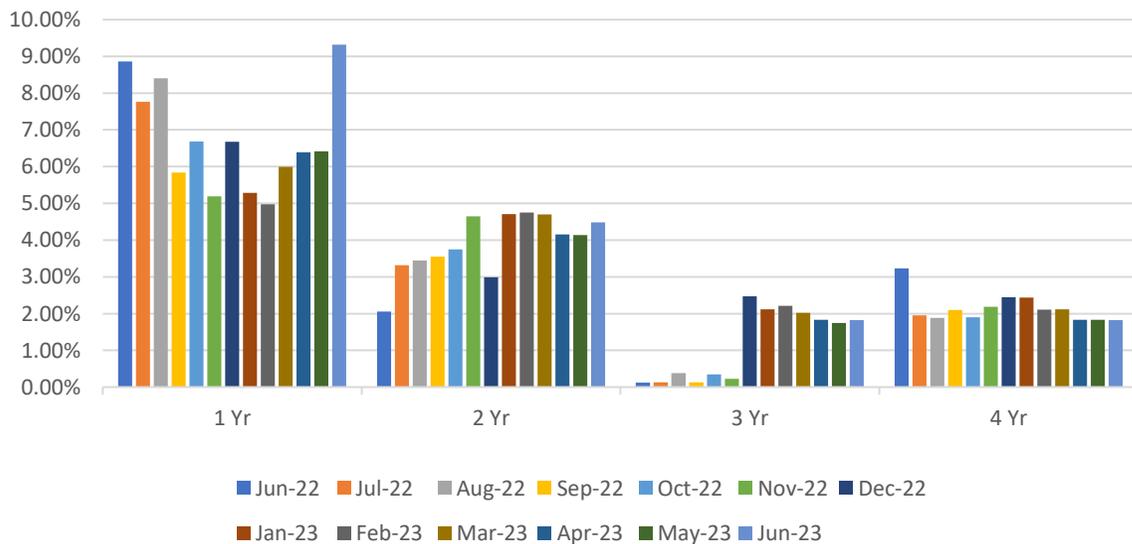
PC4 - EUC05



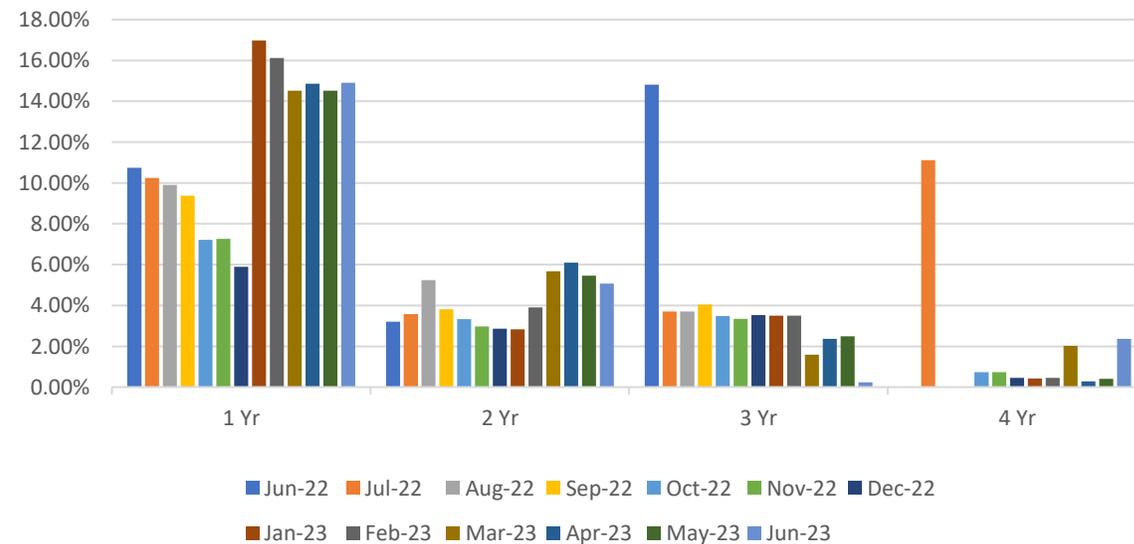
PC4 - EUC06



PC4 - EUC07



PC4 - EUC08





2A.8 AQ CORRECTION BY REASON CODE

Report measures the count of Shipper Portfolio of MPRNs where successful AQ Correction(s) has been submitted

Changes in total number of AQ corrections used

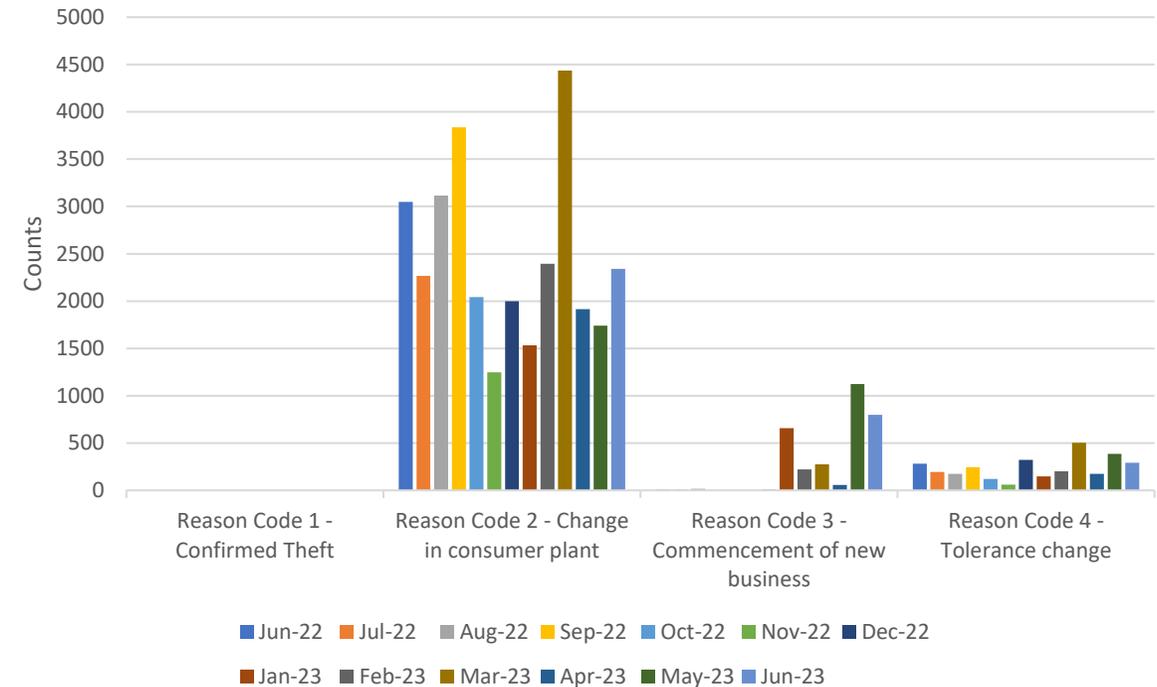
Reason Code 01- Confirmed Theft
No Monthly or Annual Change

Reason Code 02- Change in Consumer Plant
↑ 598 Monthly Change
↓ 709 Annual Change

Reason Code 03- Commencement of New Business Activity
↓ 324 Monthly Change
↑ 792 Annual Change

Reason Code 04- Tolerance Change
↓ 95 Monthly Change
↑ 9 Annual Change

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



Observations:

- There have been no Theft of Gas (Reason Code '01') instances since August 2021, expectation is that a small volume of cases would have been raised within this period
- PAFA will continue to closely monitor this subject matter with due consideration to the agreed implementation of 'Modification 0816S – Updates to AQ Correction Processes' (implementation date TBC)

2A.9 STANDARD CF AQ > 732,000 KWH



Report measures the count of sites with an AQ >732,000 kWh whereby a standard correction factor (1.02264) is associated with the relevant SP yet an individual (bespoke) correction factor is required

EUC04

↓ 13 Monthly Change
↓ 109 Annual Change

EUC07

↓ 1 Monthly Change
↓ 5 Annual Change

EUC05

↓ 6 Monthly Change
↑ 19 Annual Change

EUC08

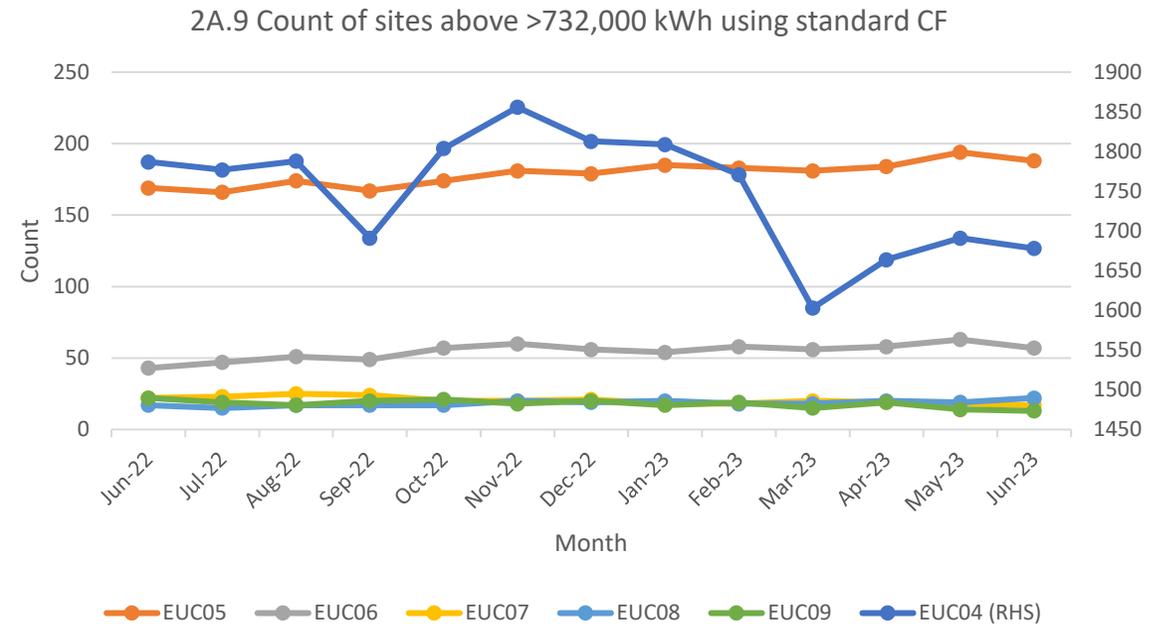
↑ 3 Monthly Change
↑ 5 Annual Change

EUC06

↓ 6 Monthly Change
↑ 14 Annual Change

EUC09

↓ 1 Monthly Change
↓ 9 Annual Change



Observations:

- Volumes within EUC04 have generally reduced within the last 6 calendar months however remain at circa 1,700 SPs across this period
- PAFA is continuing to liaise with the CDSP to further understand the impact of UNC681S. PAFA is seeking to identify instances whereby a Shipper has yet to submit a bespoke CF and the CDSP is unable to automatically update the CF as no history of a non-standard CF is available to utilise

2A.10 REPLACED METER READ



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

EUC01

↓ 5,360 Monthly Change
↓ 30,304 Annual Change

EUC02

↓ 142 Monthly Change
↑ 128 Annual Change

EUC03

↓ 35 Monthly Change
↑ 51 Annual Change

EUC04

↓ 8 Monthly Change
↑ 29 Annual Change

EUC05

↑ 2 Monthly Change
↑ 7 Annual Change

EUC06

↑ 2 Monthly Change
↓ 1 Annual Change

EUC07

↑ 2 Monthly Change
↑ 4 Annual Change

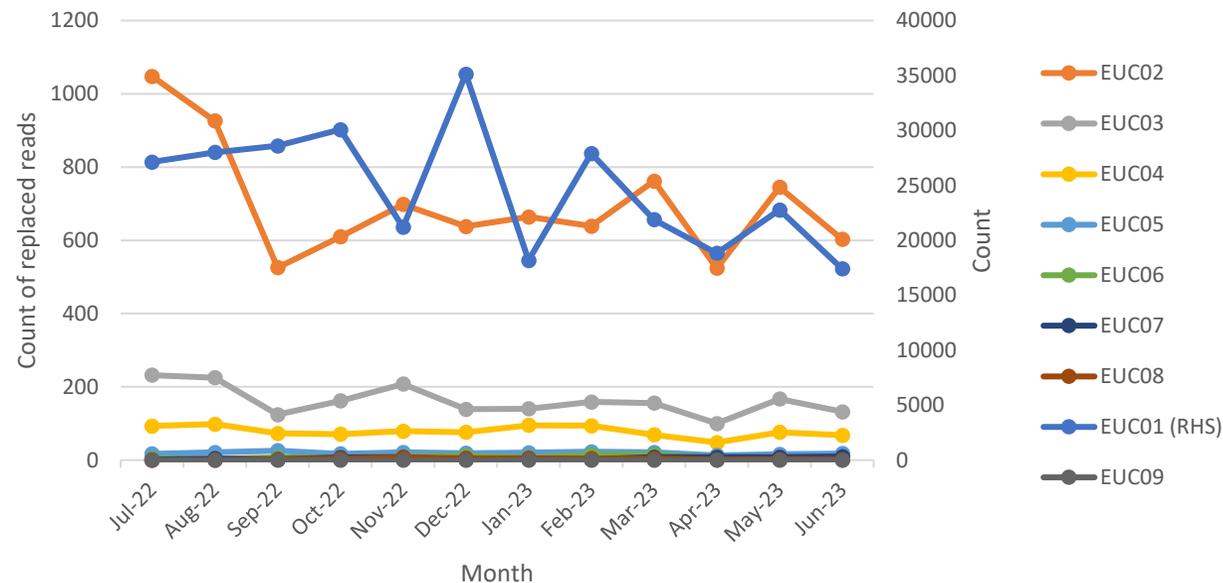
EUC08

↓ 1 Monthly Change
No Annual Change

EUC09

No Monthly Change
No Annual Change

2A.10 Count of meter reading replaced by EUC



Observations:

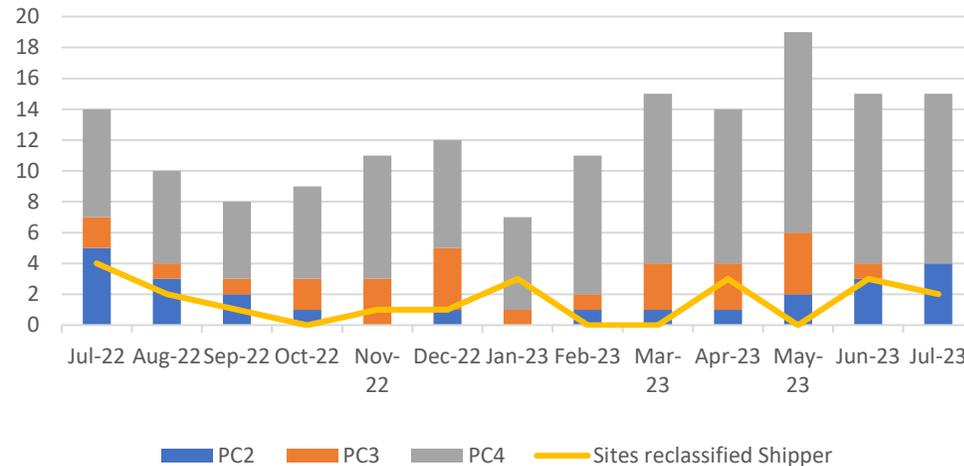
- Read replacement activity within EUC01 is driven by the volume of SPs within this particular End User Category and volumes continue to fluctuate month by month
- Read replacement volumes for SPs within EUC01 is at its lowest (17,409) across the reporting period (June 2022 – June 2023)
- PAFA will continue to monitor this subject matter



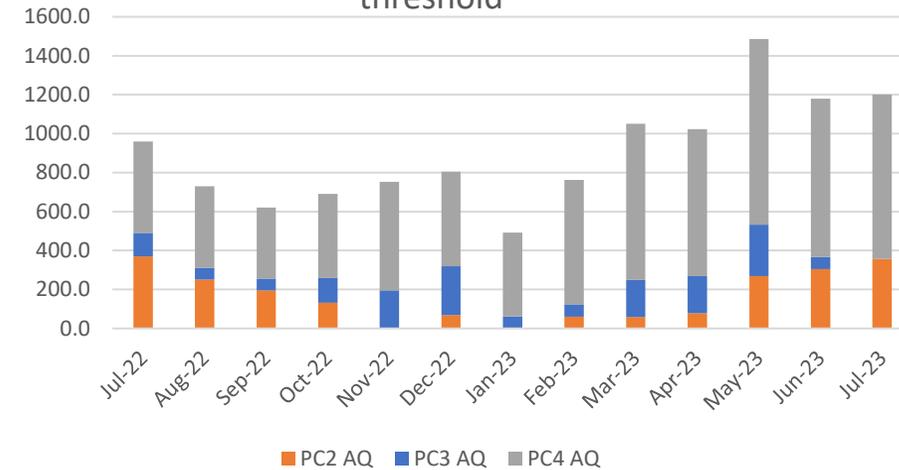
2A.11 SITES ABOVE CLASS 1 THRESHOLD NOT IN CLASS 1

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

Supply points above the Class 1 threshold



Total AQ (GWh) of supply points above Class 1 threshold



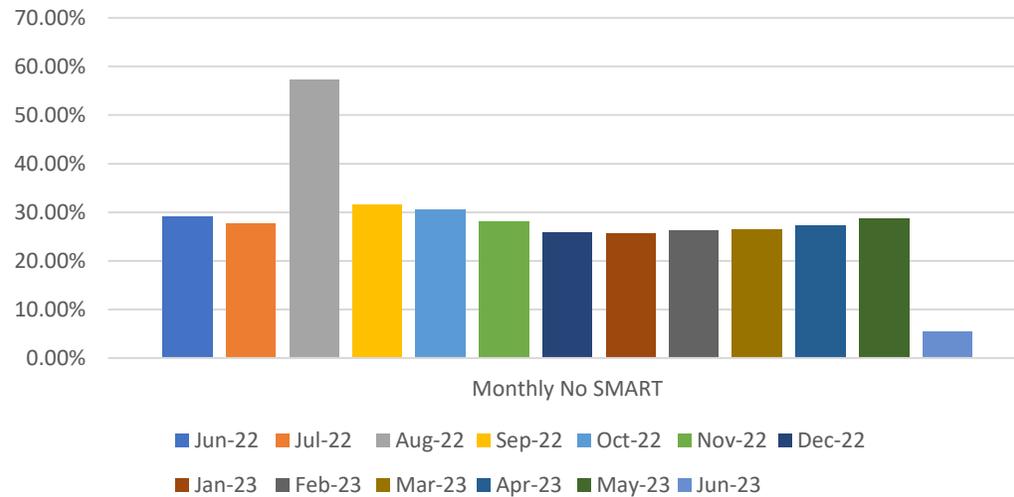
Observations:

- There are currently 11 SPs within the PC4 sector of which meet PC1 threshold requirements (RAQ = 58.6m kWh)
- There are currently no SPs within the PC3 sector of which meet PC1 threshold requirements (RAQ = 58.6m kWh)
- There are currently 4 SPs within the PC2 sector of which meets PC1 threshold requirements (RAQ = 58.6m kWh)
- 2 SPs were reclassified by a Shipper party in the month of June 2023

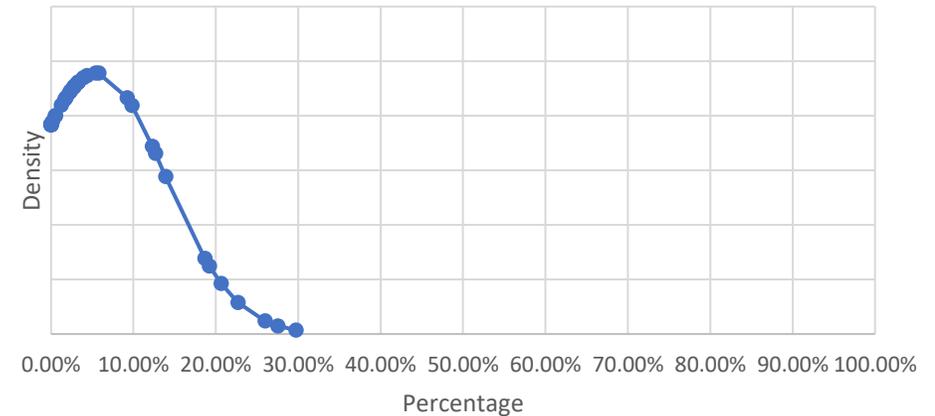
2A.12A AQ READ PERFORMANCE – PC4 MONTHLY ‘NO SMART’

Report measures the percentage of PC4 monthly read performance at AQ level for sites without a SMART meter with an AQ >= 293,000 kWh

2A.12 AQ at Risk - Monthly no SMART industry average



2A.12a Distribution of AQ read performance for PC4 Monthly sites no SMART - 12 month average



Observations:

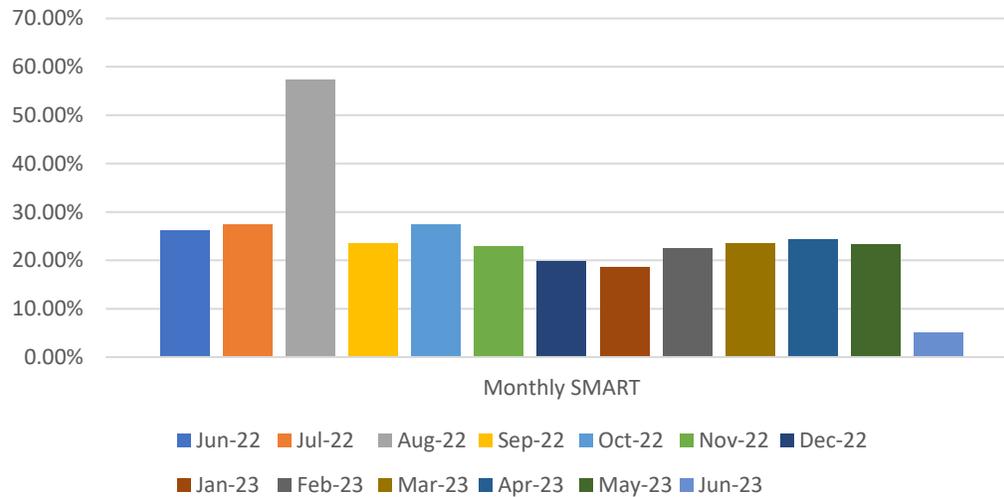
- PAFA will continue to review and monitor this subject matter however it is clear that required UNC industry performance levels are not being achieved on a consistent basis
- June 2023 AQ Read Performance reporting statistics for PC4 Monthly ‘No Smart’ SPs are subject to xoserve and Correla investigation pending resolution

2A.12B AQ READ PERFORMANCE – PC4 MONTHLY ‘SMART’

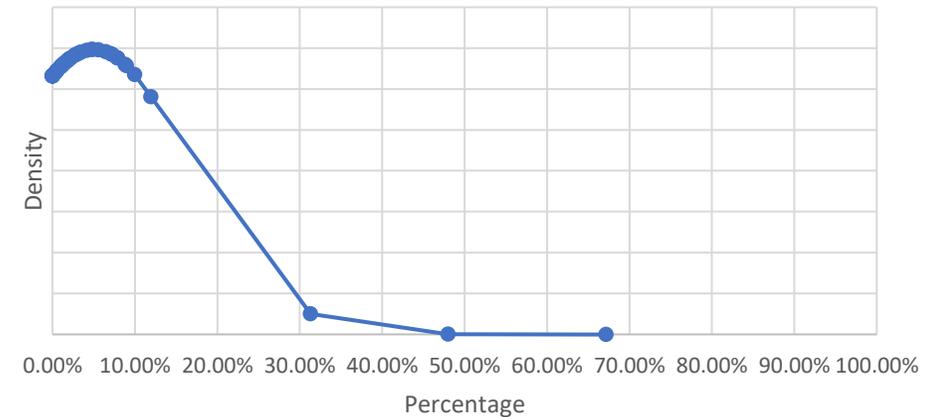


Report measures the percentage of PC4 monthly read performance at AQ level for sites with a SMART meter with an AQ $\geq 293,000$ kWh

2A.12 AQ at Risk - Monthly SMART industry average



2A.12b Distribution of AQ read performance for PC4 Monthly sites $\geq 293,000$ kWh SMART - 12 month average



Observations:

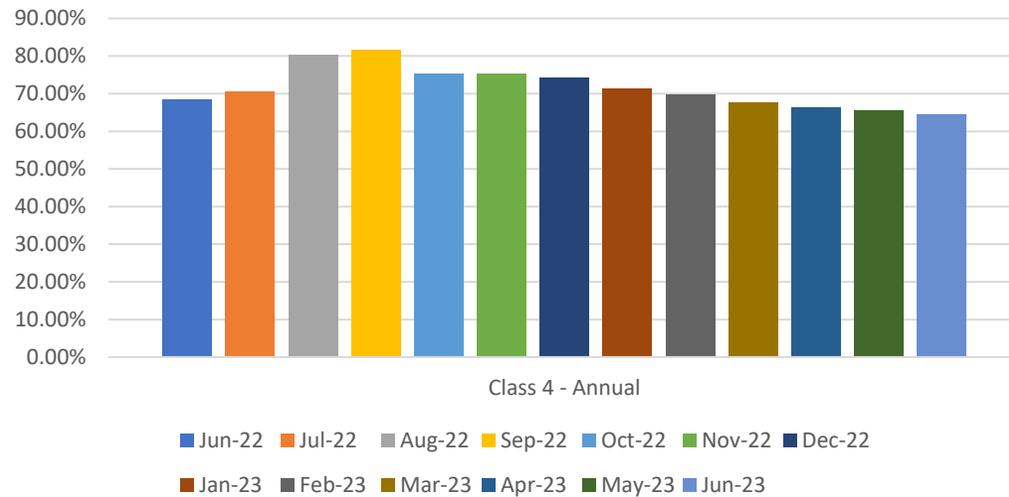
- PAFA will continue to review and monitor this subject matter however it is clear that required UNC industry performance levels are not being achieved on a consistent basis
- June 2023 AQ Read Performance reporting statistics for PC4 Monthly ‘Smart’ SPs are subject to xoserve and Correla investigation pending resolution
- PAFA is continuing to investigate potential root causes that are impacting smart meter reading performance levels. Work is ongoing in respect of this task and updates will be provided to PAC going forward

2A.12C AQ READ PERFORMANCE – PC4 ANNUAL

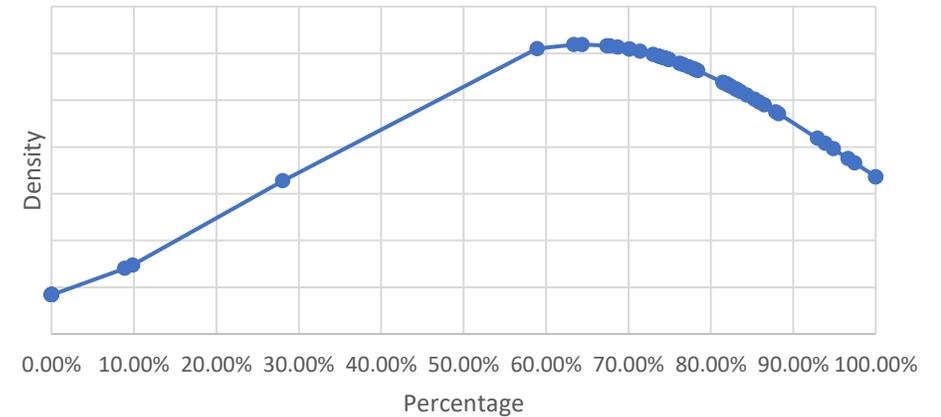


Report measures the percentage of PC4 annual read performance at AQ level for sites <293,000 kWh with no SMART/AMR

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



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



Observations:

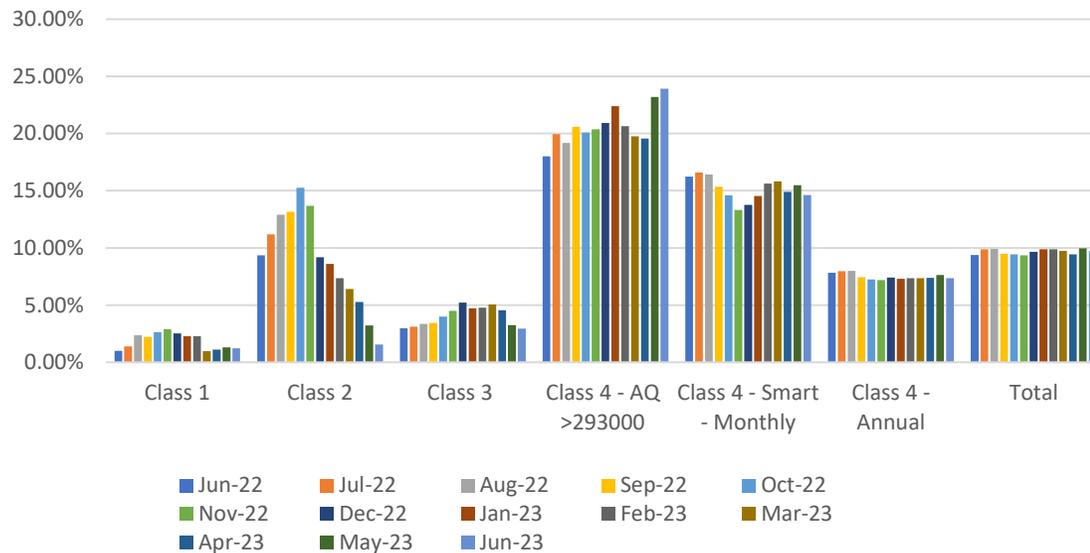
- PAFA will continue to review and monitor this subject matter however it is clear that required UNC industry performance levels are not being achieved on a consistent basis

2A.13 AQ AT RISK



Report measures the percentage of Annual Quantity within each product class without a meter reading within timescales as set out in the UNC

2A.13 AQ at Risk - Product Class split



Observations:

- The percentage of AQ at risk for the PC4 AQ>293000 kWh category is at its highest value (23.90%) since May 2021
- The percentage of AQ at risk for the PC2 category is at its lowest value (1.55%) since May 2021
- PAFA will review existing & future RFI response data received from Shipper parties to further understand factors affecting AQ at risk volumes
- PAFA will continue to monitor existing Performance Improvement Plans (PIPs) to determine the impact upon AQ at risk volumes

Shippers with the highest percentage of AQ at Risk within their portfolio in June 2023:

Product Class 1

Rome **2.36%**
Philipsburg **5.10%**

Product Class 2

Thimphu **3.81%**
Rome **5.34%**

Product Class 3

Roseau **12.08%**
Islamabad **13.10%**
Philipsburg **100%**

Product Class 4 – AQ >293000 kWh

Warsaw **83.30%**
Skopje **84.20%**
Gibraltar **100%**
Kampala **100%**
Maputo **100%**
Niamey **100%**

Product Class 4 – Monthly SMART

9 Shippers **100%**

Product Class 4 - Annual

8 Shippers **100%**

APPENDIX – PARR REPORT DETAILS



| Report ID | Topic | Details | Split By | 12 Rolling Months | Report Format | Report Period | 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 | June | 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 | June | 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 | June | M-1 |
| 2A.4 | Shipper Transfer Read Performance | Shipper provided an opening meter read within D+10 of transfer of ownership | Total | Annual | Percentage | June | 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 | June/ May (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 | June | M-1 |

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| 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 | June | 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 | June | 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 | June | 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 | June | 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 | June | 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 | June | M-1 |

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| 2A.12 | Class 4 read submission performance as a percentage of portfolio AQ | 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. 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. Sub-divided by Meter reading obligations, a = Monthly due to AQ, b = Smart/AMR fitted c = non-Monthly | Meter reading obligation | Annual | Percentage Read | June | M-1 |
| 2A.13 | Breakdown of AQ overdue for a Meter Reading | Reports on the total AQ by Shipper which is overdue for a meter reading. "Overdue" for the purposes of this report is UNC obligation plus 2 or 3 months, i.e. - 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 | June | M-1 |



GEMSERV

PAFA@GEMSERV.COM
