

# PARR Dashboards

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14<sup>th</sup> December 2021

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:

- ↑ 3.83% - Monthly change
- ↑ 15.43% - Annual change

### Monthly changes:

- ↑ 9.61% Mogadishu    ↓ 4.17% Rome
- ↑ 18.61% Valletta    ↓ 7.22% Thimphu
- ↑ 46.67% Canberra    ↓ 48.44% Luanda

### Observations:

- Estimated reads have increased for both PC1 and PC2 over the course of the year, though the PC2 average appears to be declining. Estimated reads for PC1 appear to be on an upward trend, with new market participants entering the market and skewing the average.
- The number of uncompleted check reads appears to be on the rise for PC1

## PC2

### Industry movement:

- ↓ 3.10% Monthly change
- ↑ 1.48% Annual change

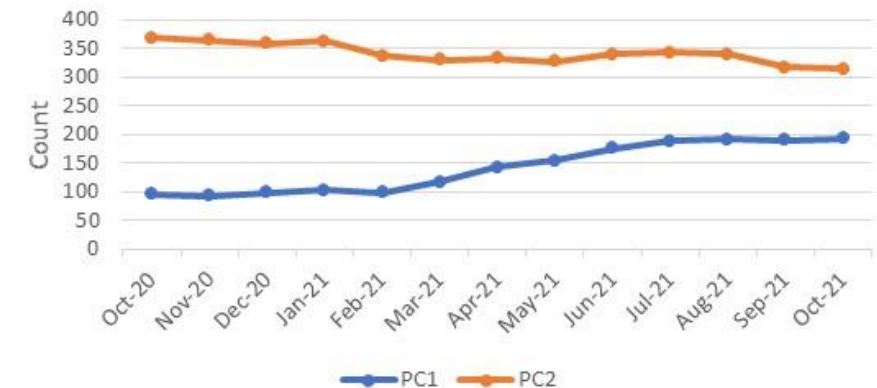
### Monthly changes:

- ↑ 3.69% Saipan                    ↓ 4.38% Reykjavik
- ↑ 3.98% Rome                     ↓ 13.33% Washington
- ↑ 14.12% Thimphu                ↓ 45.28% Praia

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



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



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



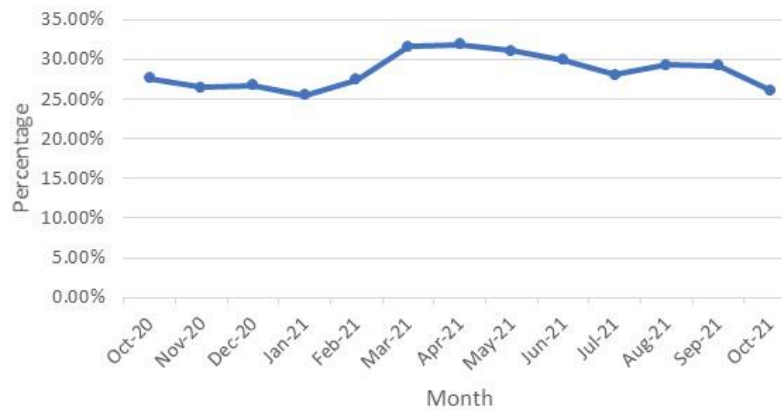
2A.1 PC1 Estimated Read Totals



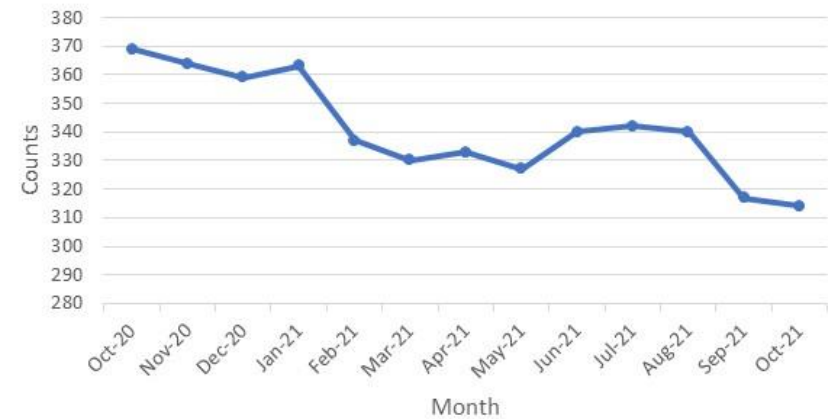
2A.1 PC1 Check Reads Total



2A.1 PC2 Estimated Read Totals



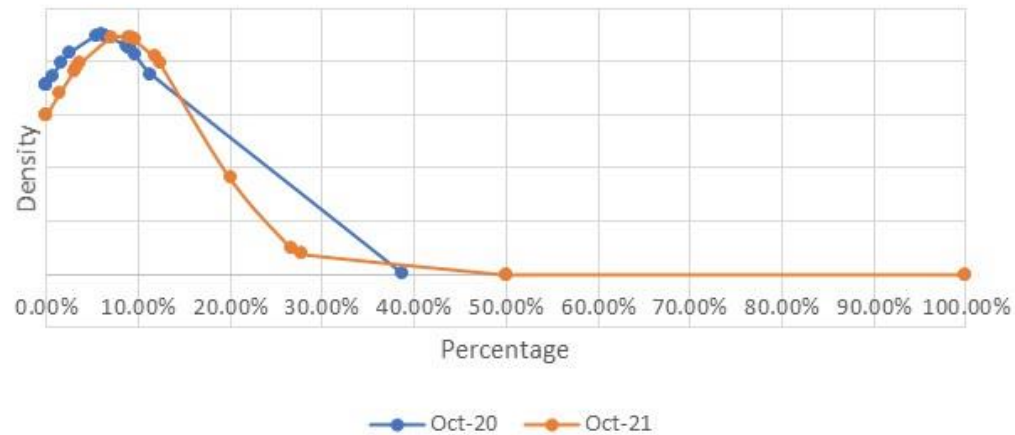
2A.1 PC2 Check Read Totals



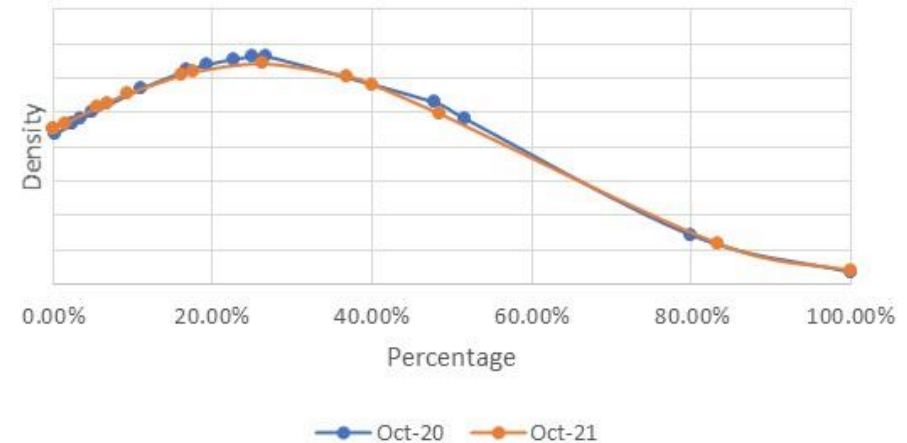
# 2A.1 Estimated & Check Reads - Product Classes 1 & 2



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:**

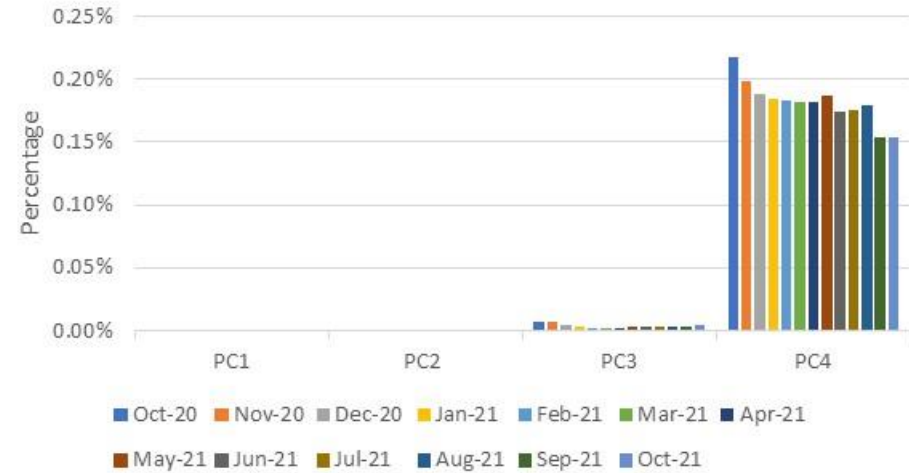
- Dili 0.02%
- Luanda 0.02%
- Praia 0.54%

### PC4

**Highest shippers:**

- Bratislava 1.39%
- Belmopan 3.42%
- Luxembourg 15.12%

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



**Observations:**

- The % of no meter recorded in PC4 continues to decline from the highs seen in 2020
- The PAC, PAFA and CAMs 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 & PC2**  
0% for both product classes

**PC3**

**Highest shippers:**

Luanda **0.02%**

Praia **0.13%**

**PC4**

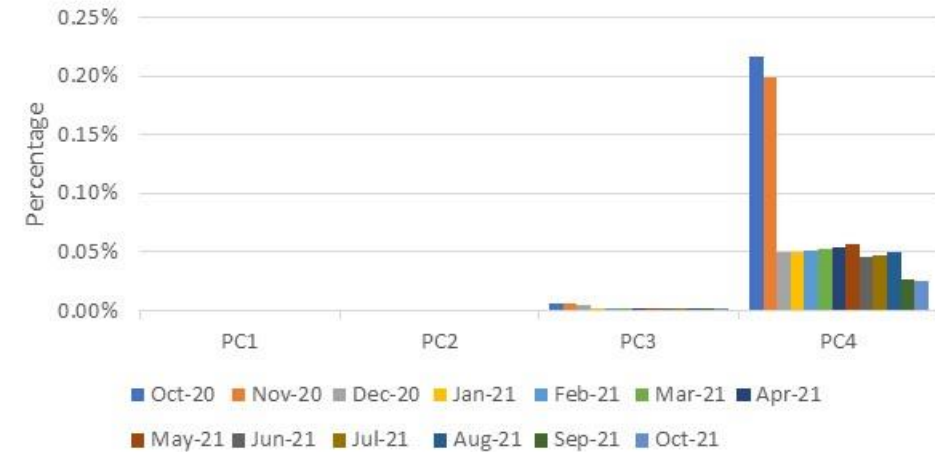
**Highest shippers:**

Belmopan **1.06%**

Luxembourg **1.16%**

Saipan **1.19%**

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:**

↓ 3.65% Monthly change

↓ 10.30% Annual change

**Observations:**

- The number of transfer reads being submitted within the relevant window are still well below the requirements of the UNC

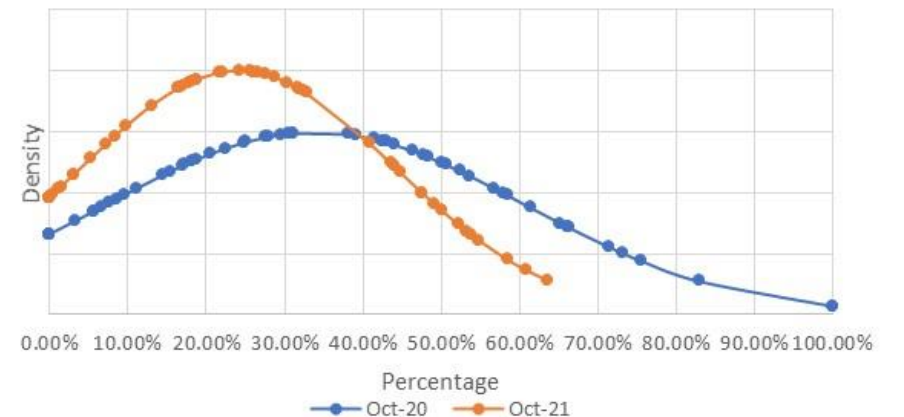
**Recommendations:**

- Continued industry education on obligation to provide opening meter readings following confirmation
- Continue to ask CAMs to maintain focus on this area when speaking to Shippers
- PAC will continue to monitor but will be considering focused Shipper targeting in the coming months

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



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

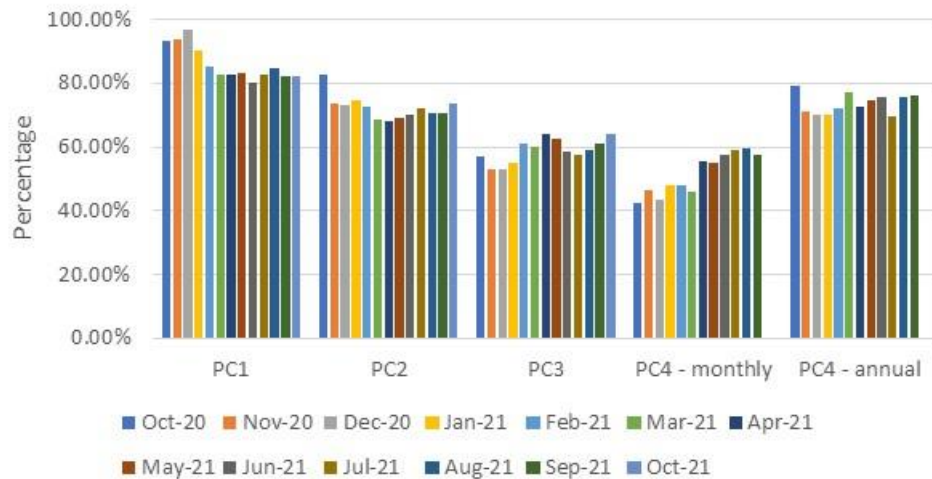


# 2A.5- Read Performance

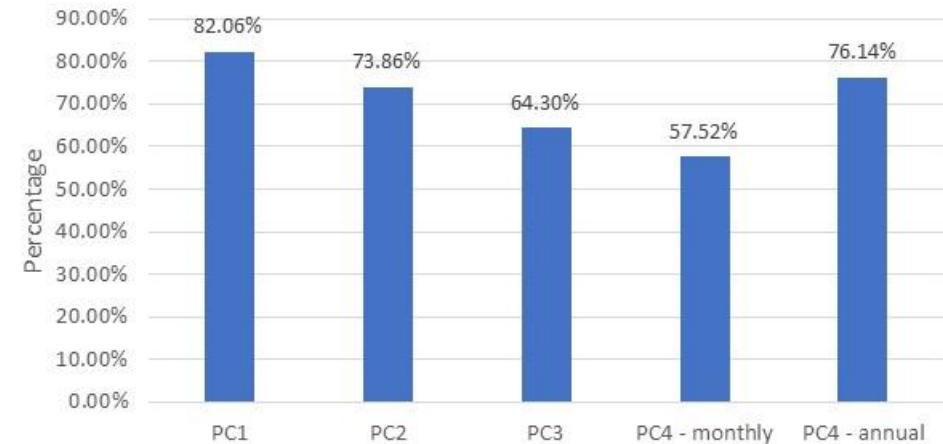
Report measures the average percentage of Shipper portfolio submitting reads in October 2021

PC4 Monthly and Annually read measures the average percentage of Shipper portfolio submitting reads in September 2021

2A.5 Percentage of Product Class read submissions



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



## Poorest performing Shippers:

### PC1

- 0.00% Khartoum
- 50.00% Praia
- 50.00% Monaco
- 50.00% Canberra

### PC2

- 0.00% Tehran
- 16.67% Manama
- 51.47% Praia

### PC3

- 0% Berlin
- 0% Castries
- 0% Oranjestad
- 0% Paramaribo
- 0% Yerevan

### PC4 (Monthly)

- 0% Baghdad
- 0% Maputo
- 0% Monaco
- 0% Tripoli

### PC4 (Annual)

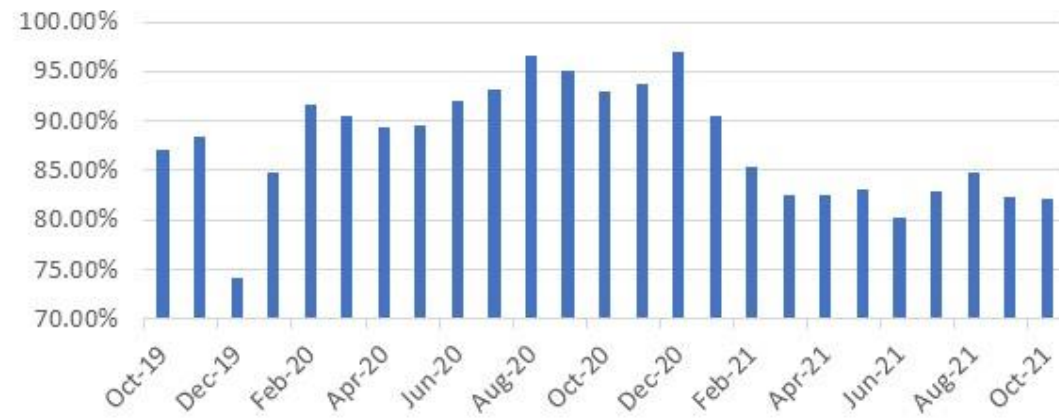
- 0% Alofi
- 0% Marigot
- 0% Quito
- 0% Bamako
- 0% Nairobi



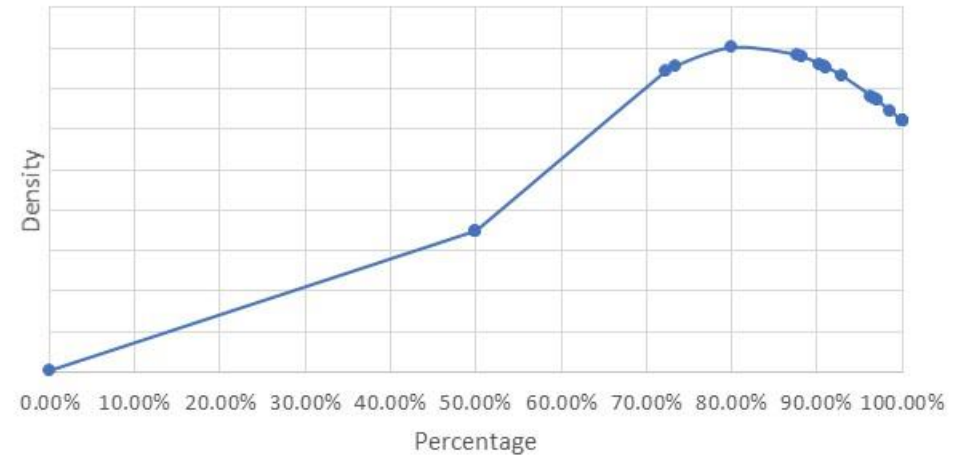
# 2A.5- Read Performance (PC1)



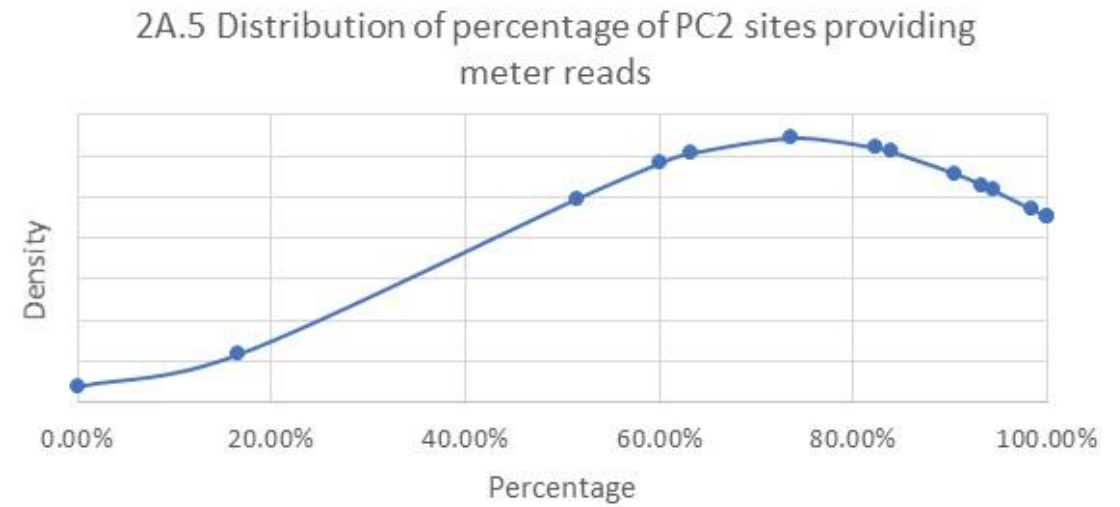
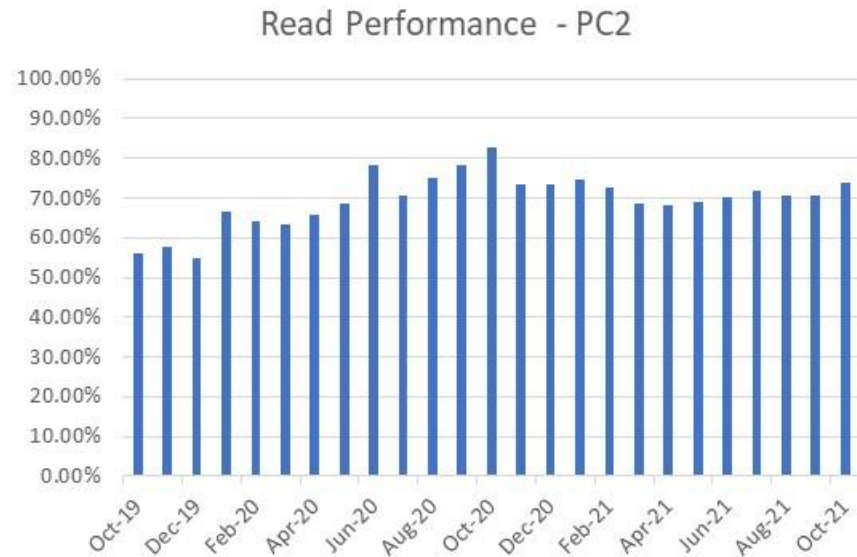
Read Performance - PC1



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



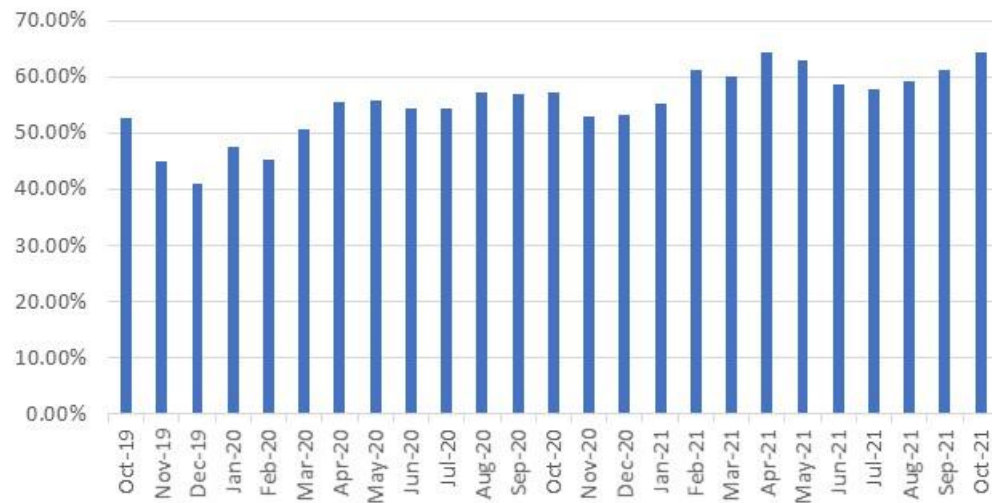
# 2A.5- Read Performance (PC2)



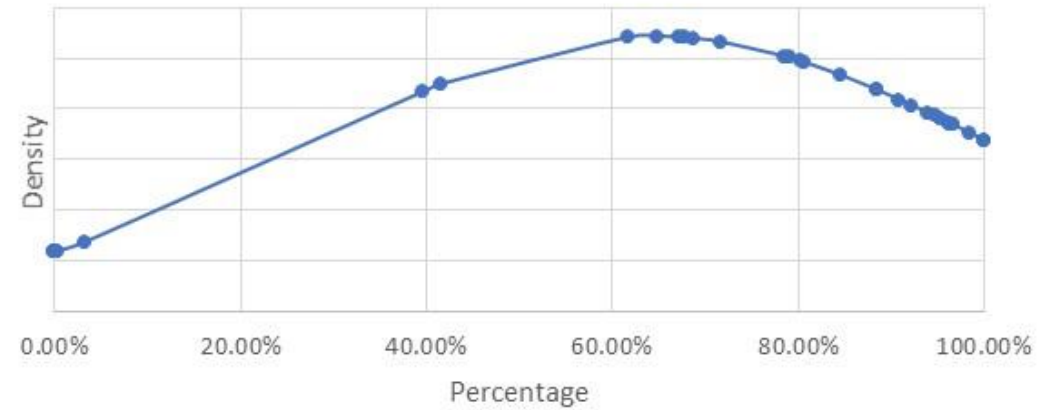
# 2A.5- Read Performance (PC3)



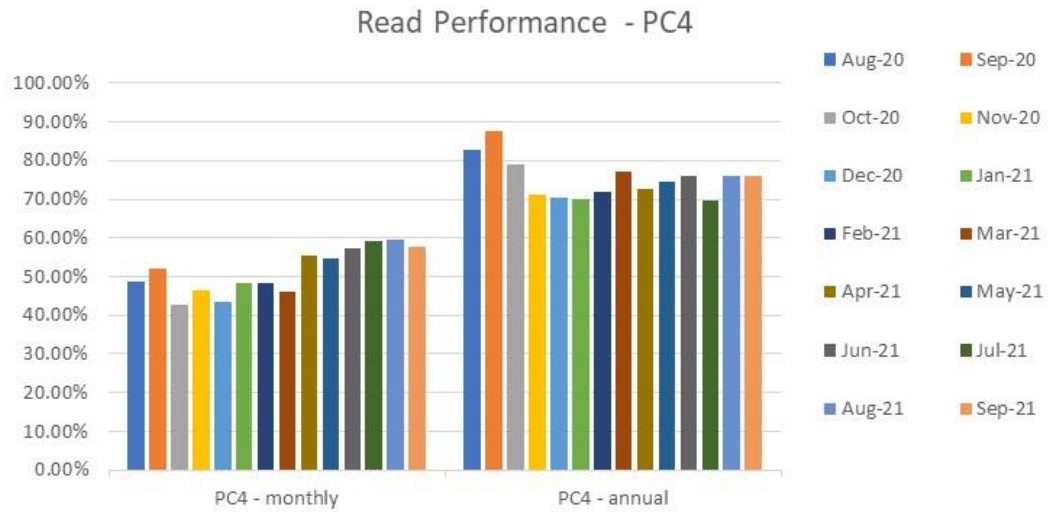
Read Performance - PC3



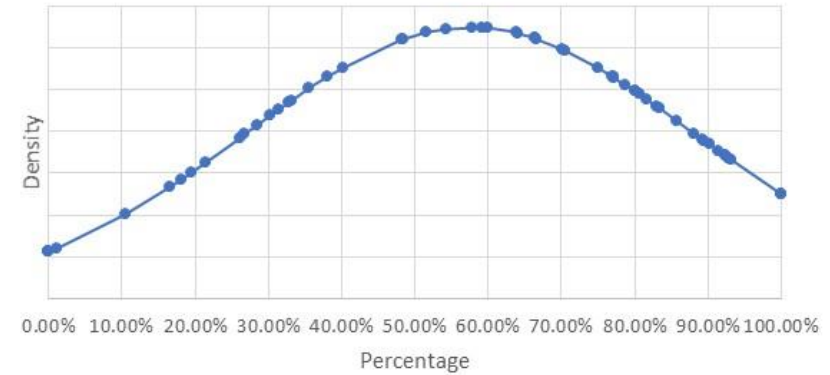
2A.5 Distribution of percentage of PC3 sites providing meter reads



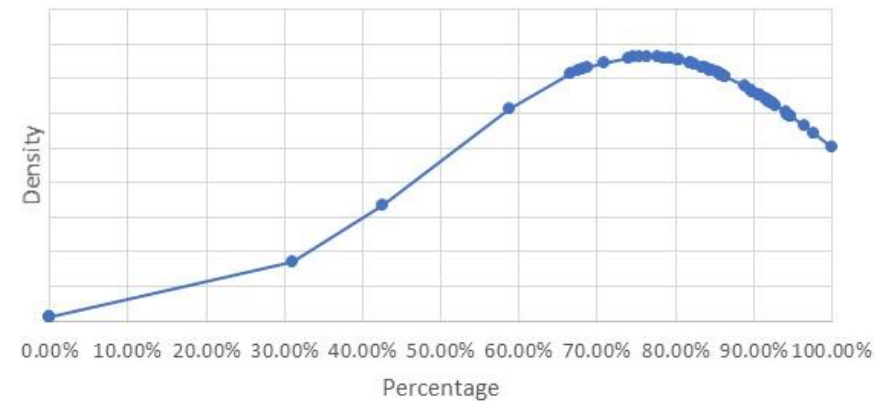
# 2A.5- Read Performance (PC4)



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



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

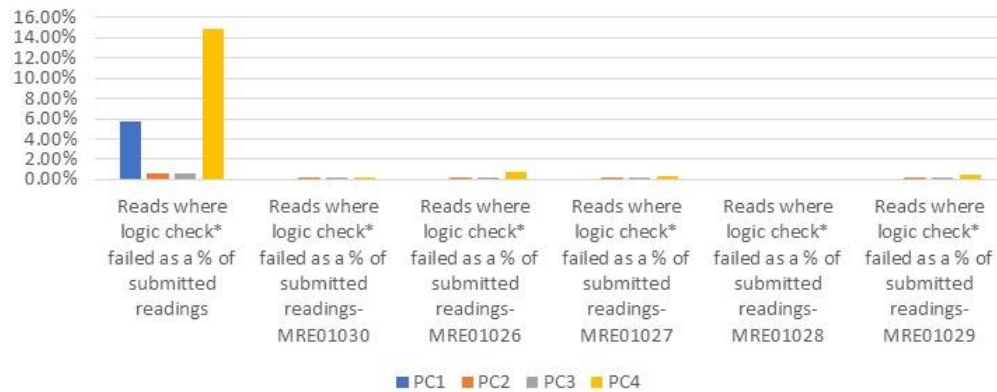


# 2A.6 Meter Read Validity Monitoring



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 - October 2021



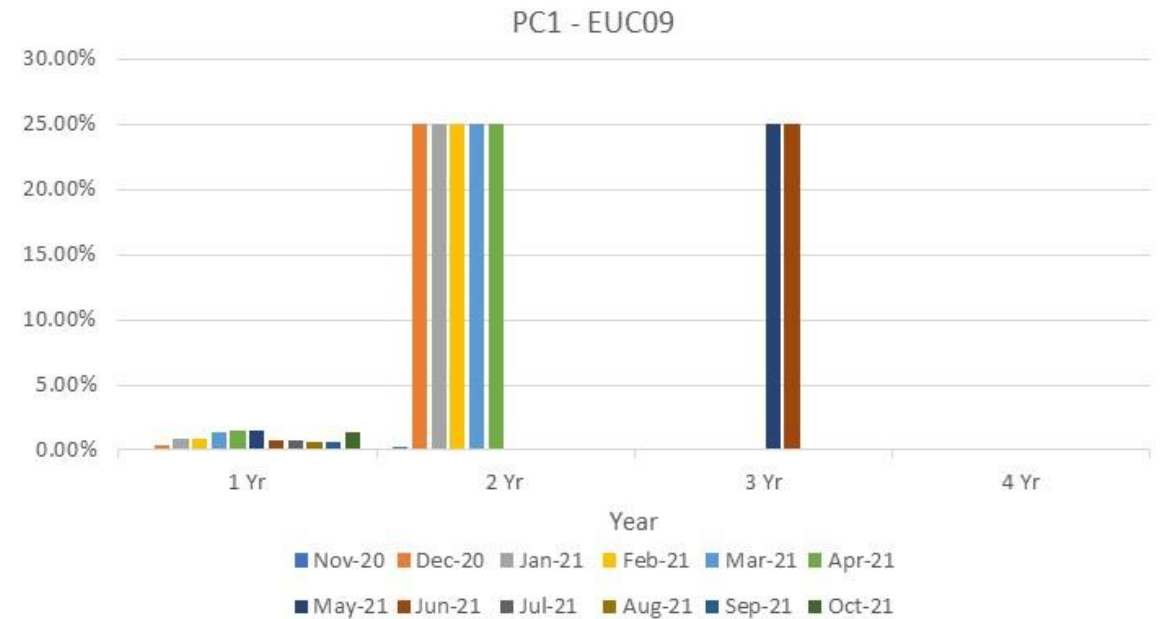
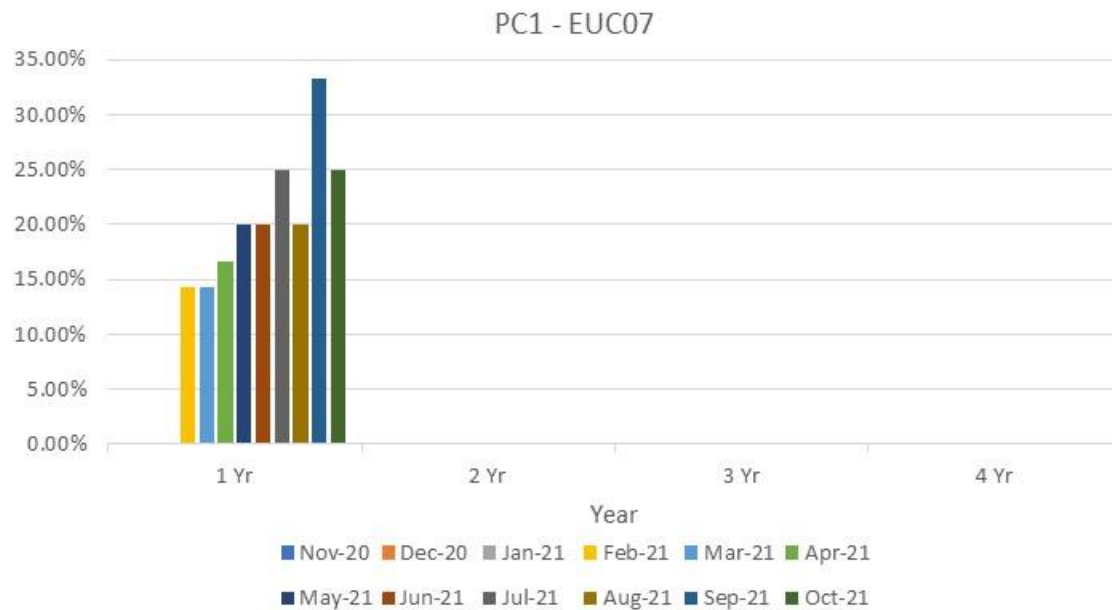
Product Class	Reads where logic check failed as a % of submitted readings	MRE01030	MRE01026	MRE01027	MRE01028	MRE01029
1	Kigali – 66.30%					
2	Washington – 25.00%	Thimphu – 2.23%	Tiraspol – 3.70%	Praia – 1.95%		Reykjavik – 3.43%
3	Bishek – 99.50%	Khartoum – 1.77%	Manama – 0.05%	Monaco – 12.02%		Monaco – 13.03%
4	Avarua – 100%	Canberra – 17.95%	Bratislava – 7.98%	Kampala – 5.41%		Sarajevo – 14.29%

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

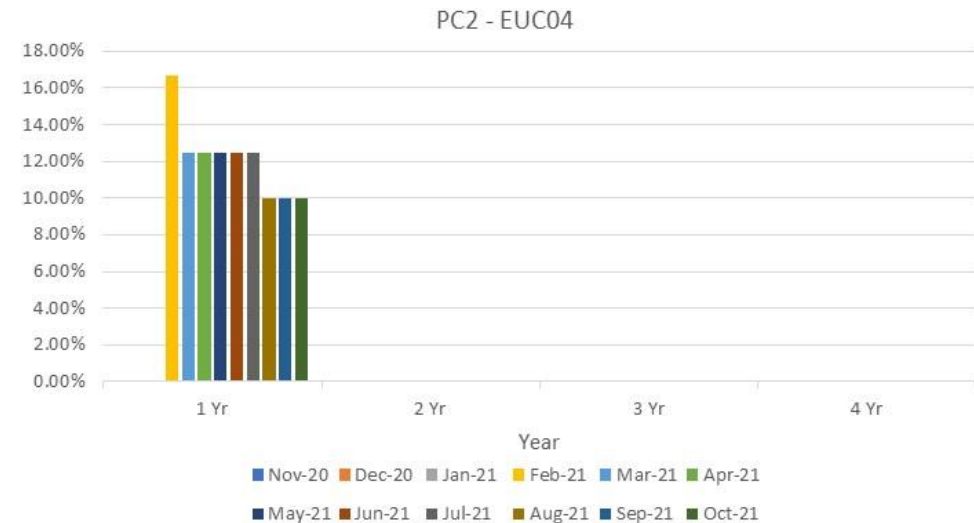
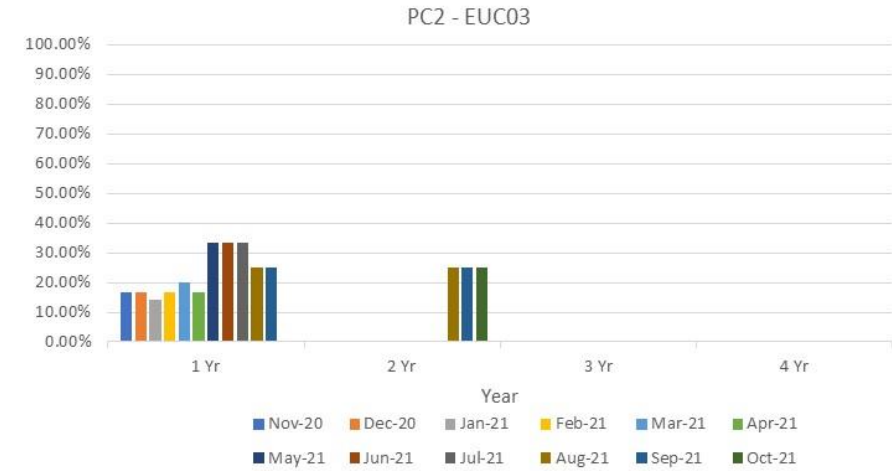
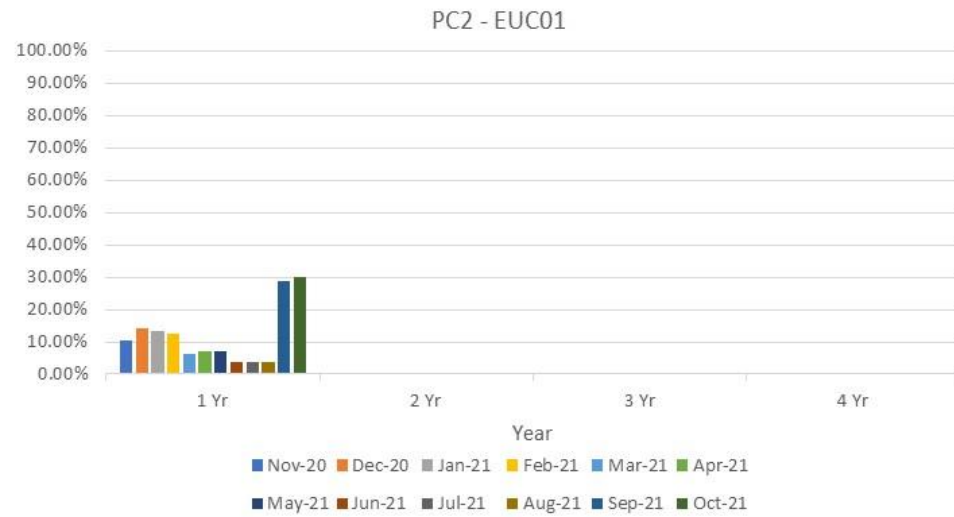


Report measures the percentage of Shipper portfolio in the specified AQ band without a meter reading for the specified period

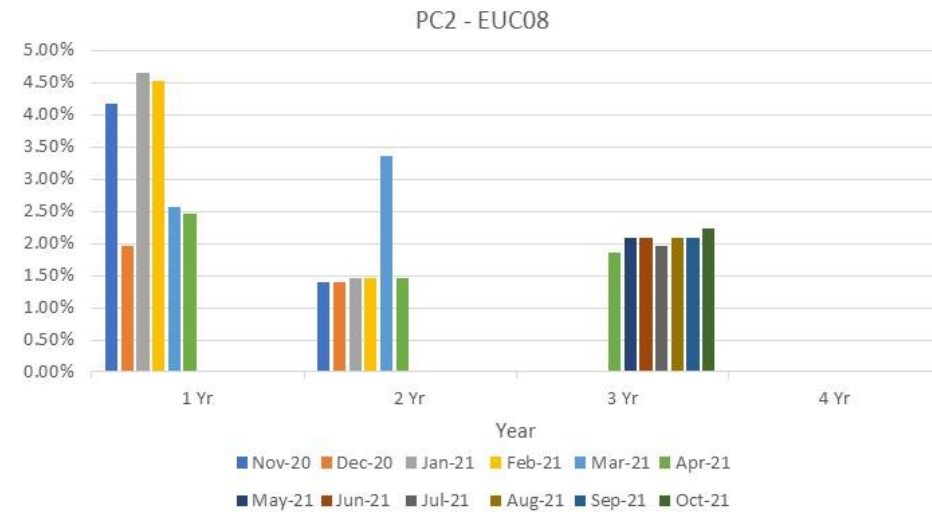
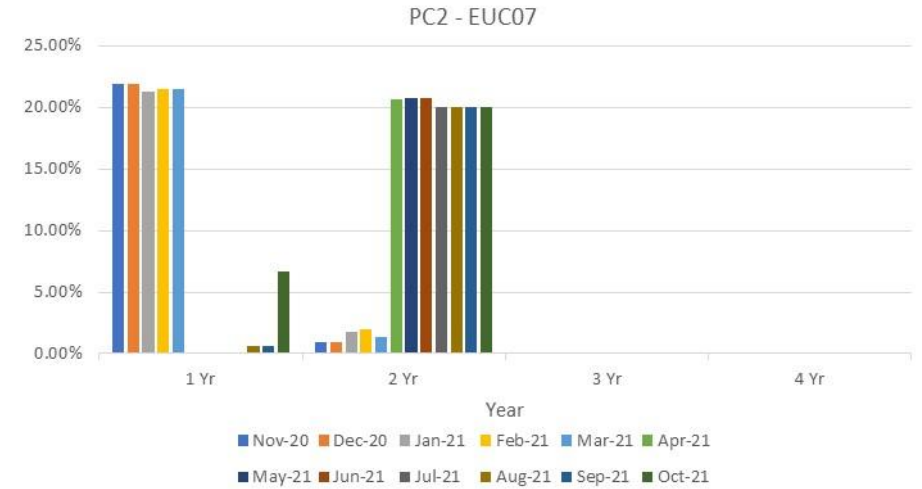
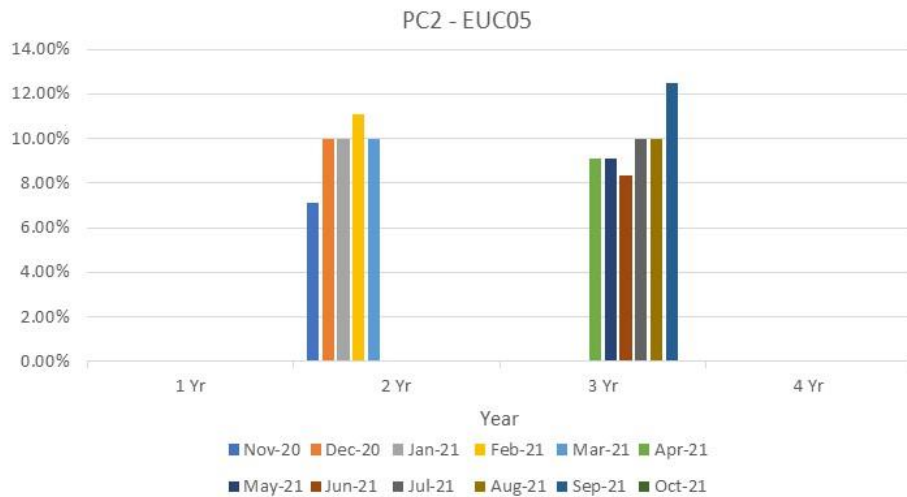
EUC01 – EUC06, EUC08 have no meters which have not been unread for a period less than one year in recent months



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



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

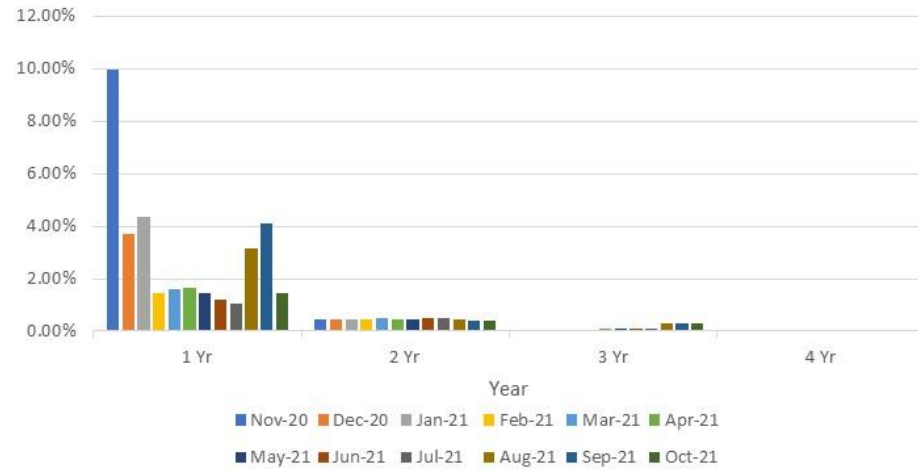




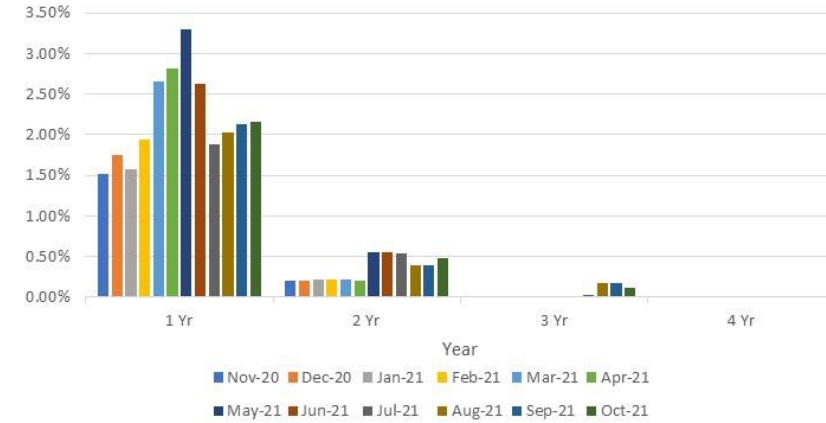
# 2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 3



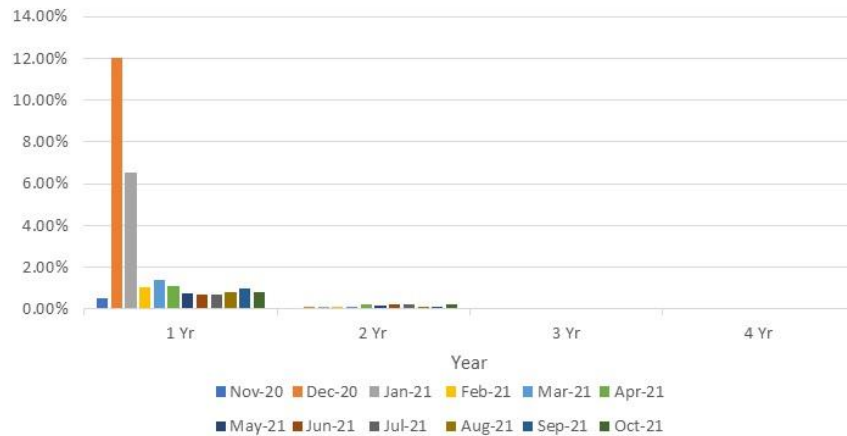
PC3 - EUC01



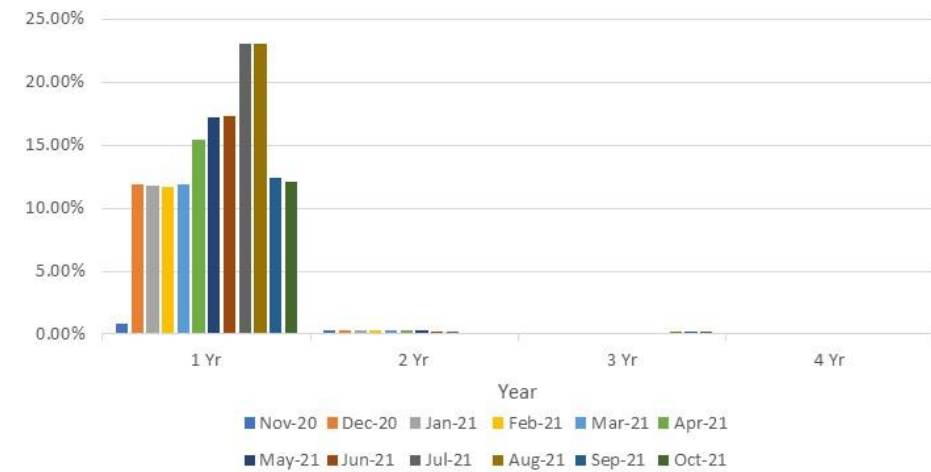
PC3 - EUC02



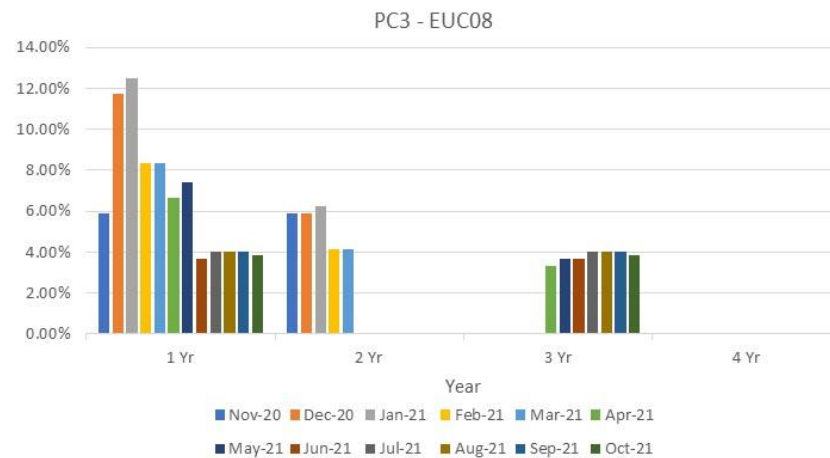
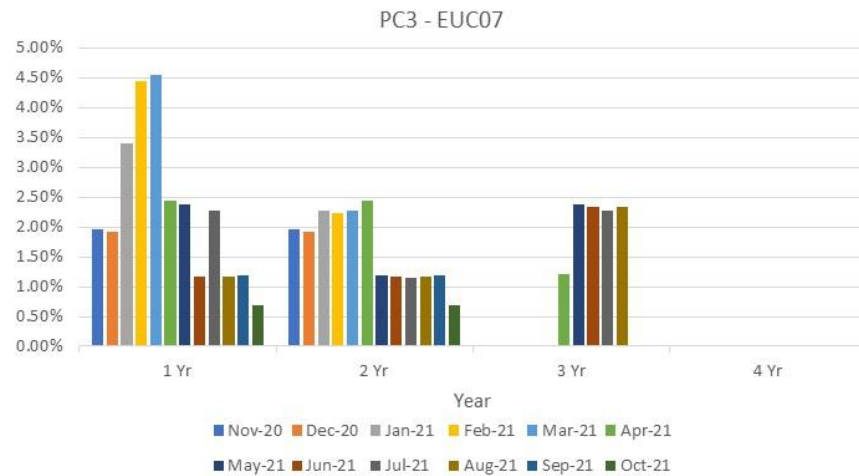
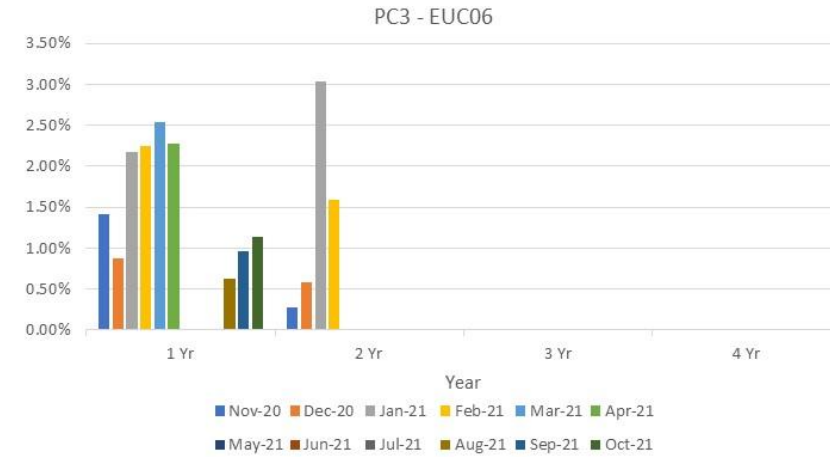
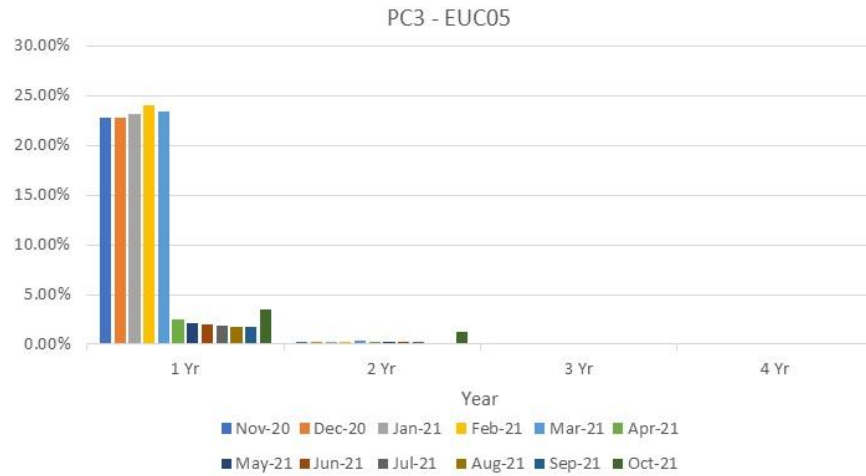
PC3 - EUC03



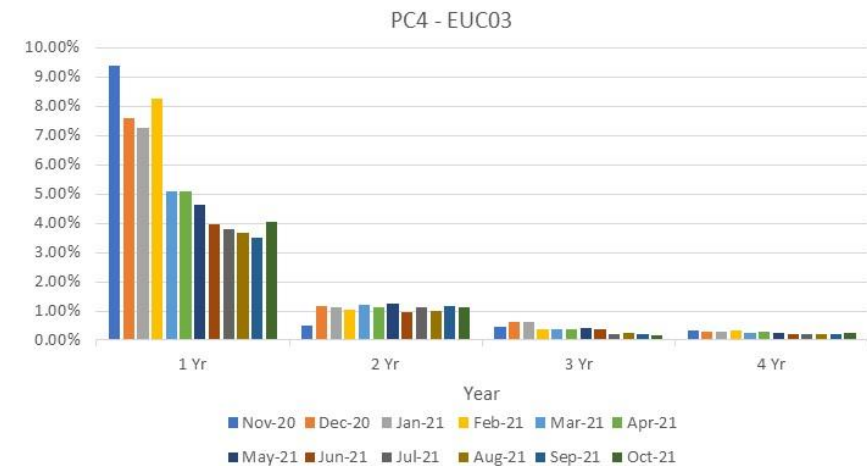
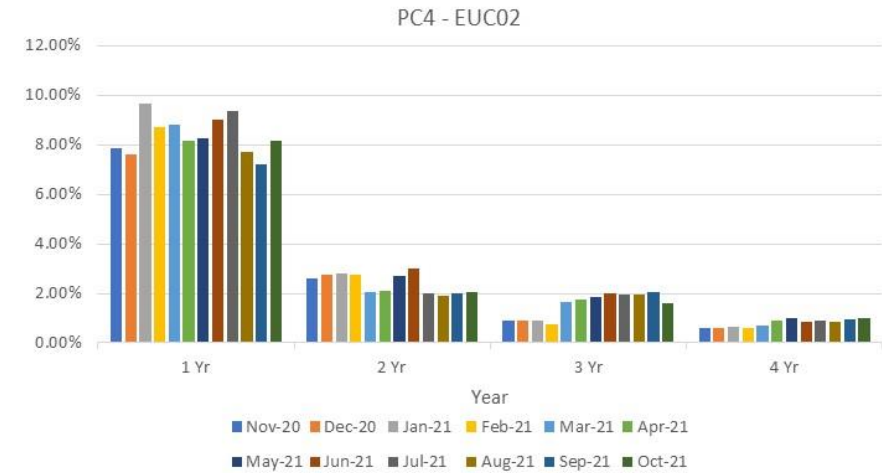
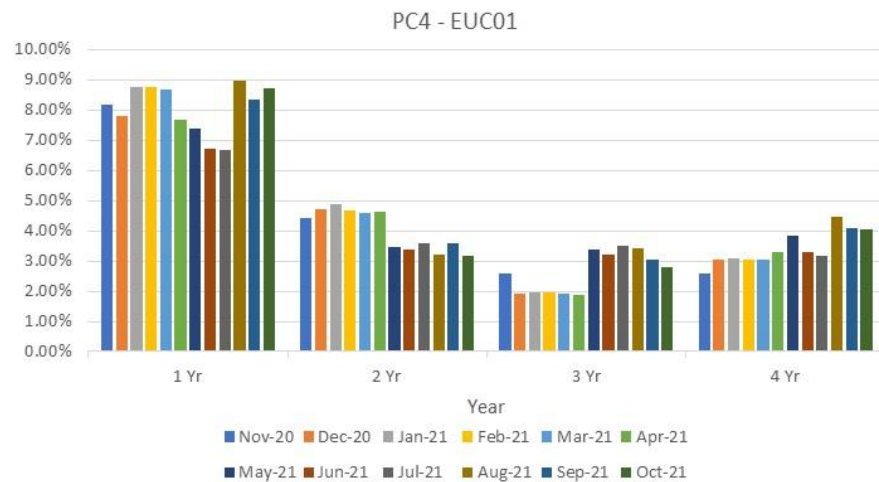
PC3 - EUC04



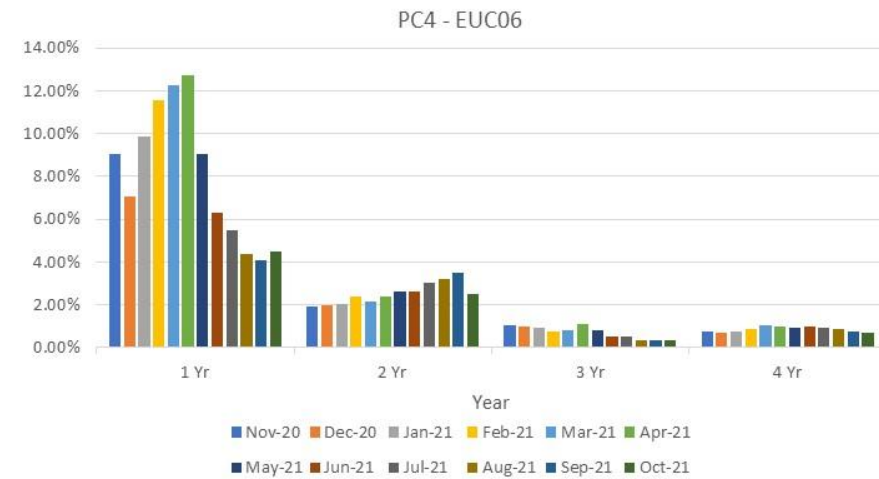
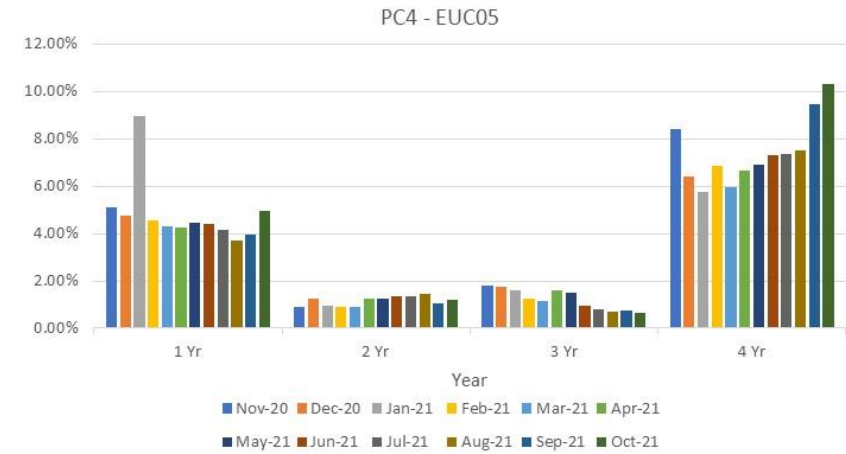
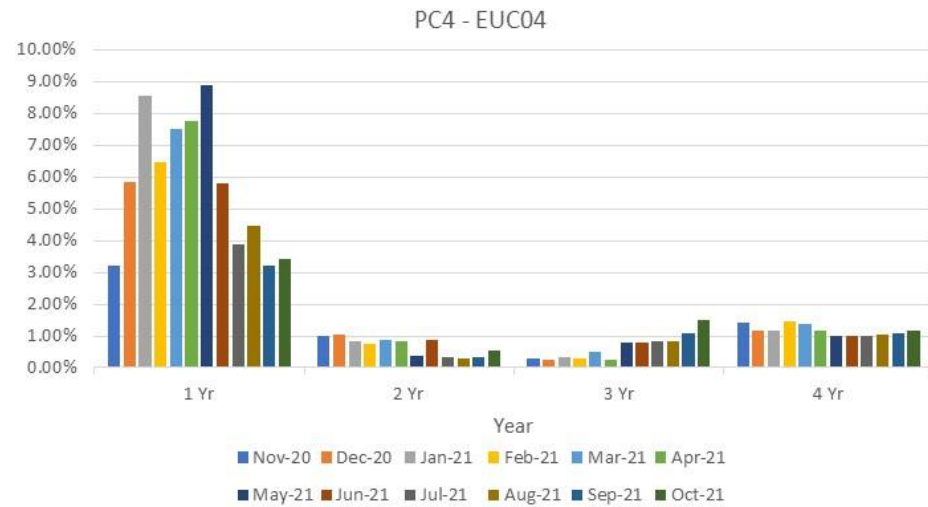
# 2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 3



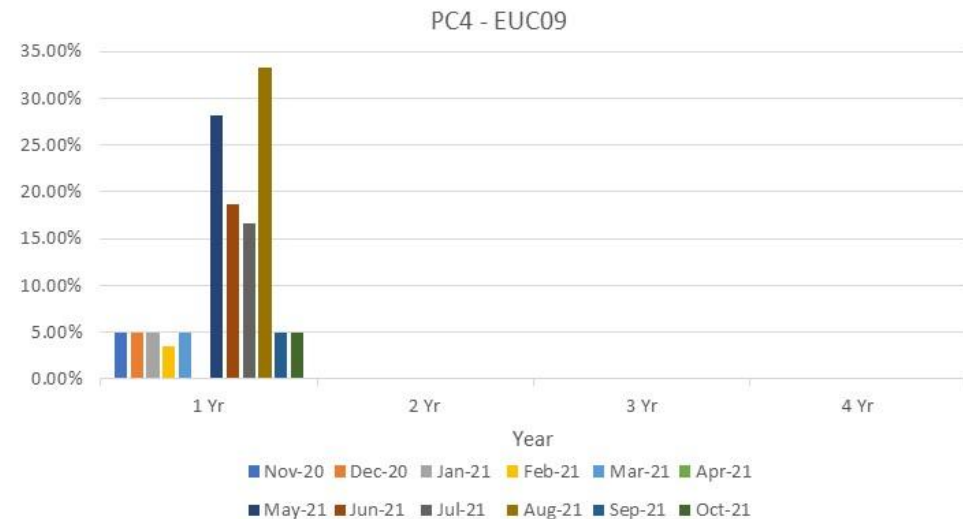
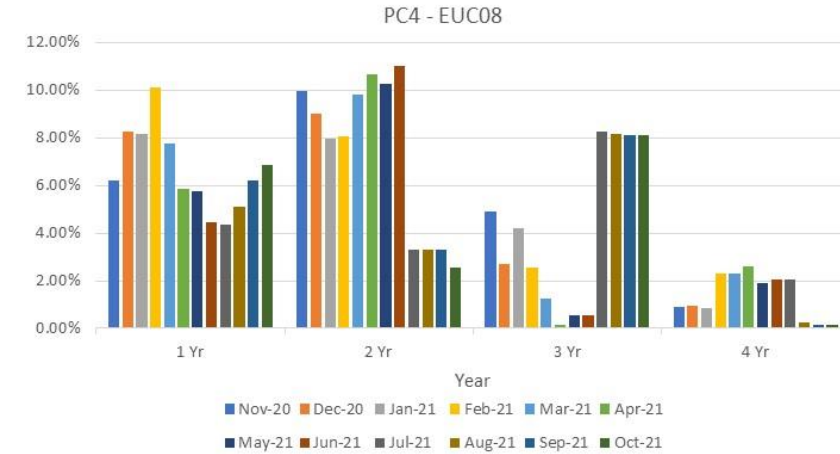
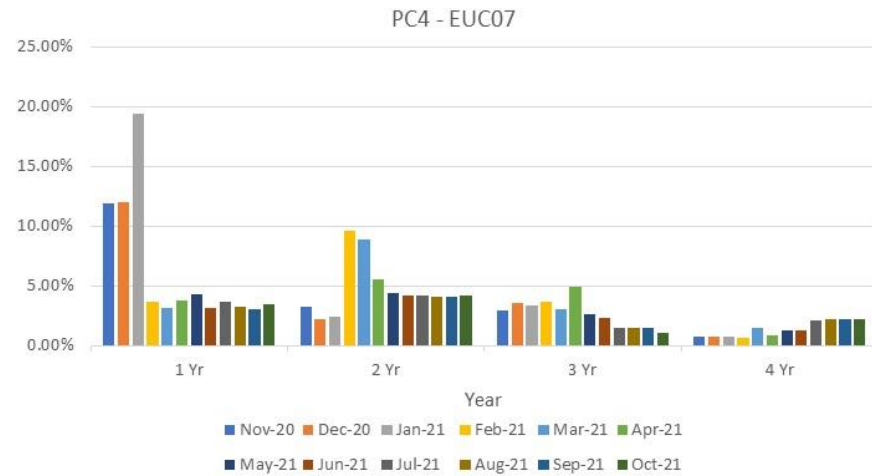
# 2A.7 No Reads Received for 1, 2, 3 or 4 years – Product Class 4



# 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

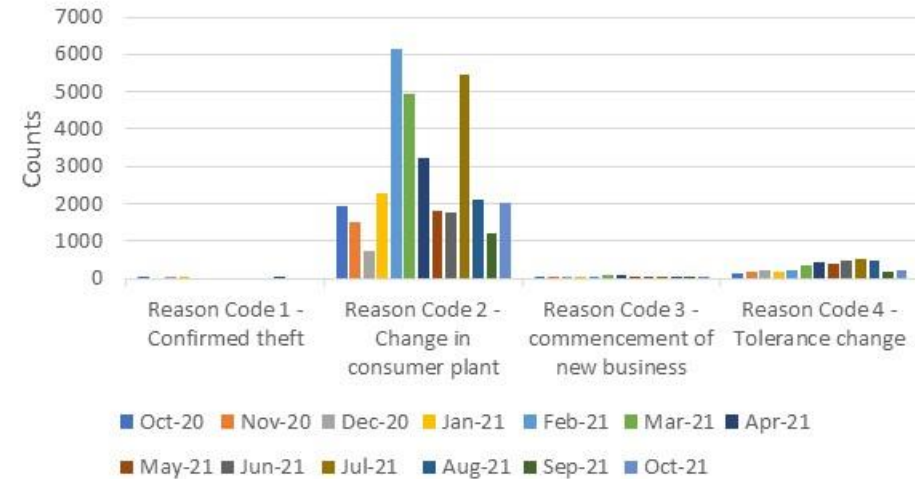
**Reason Code 01- Confirmed Theft**  
 No Monthly Change  
 ↓ 1 Annual Change

**Reason Code 02- Change in Consumer Plant**  
 ↑ 813 Monthly Change  
 ↑ 72 Annual Change

**Reason Code 03- Commencement of New Business**  
 ↑ 43 Monthly Change  
 ↑ 50 Annual Change

**Reason Code 04- Tolerance Change**  
 ↑ 48 Monthly Change  
 ↑ 103 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 but a sharp increase occurred in July 2021 – a result of two Shippers performing increased numbers of AQ Corrections. Since then, AQ corrections have been declining
  - October 2021 saw an increase in AQ corrections under three of the four reason codes, driven by individual Shipper behaviour
- The PAC and 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

↓ 96 Monthly Change  
 ↑ 277 Annual Change

## EUC07

↓ 2 Monthly Change  
 ↑ 1 Annual Change

## EUC05

↓ 17 Monthly Change  
 ↓ 30 Annual Change

## EUC08

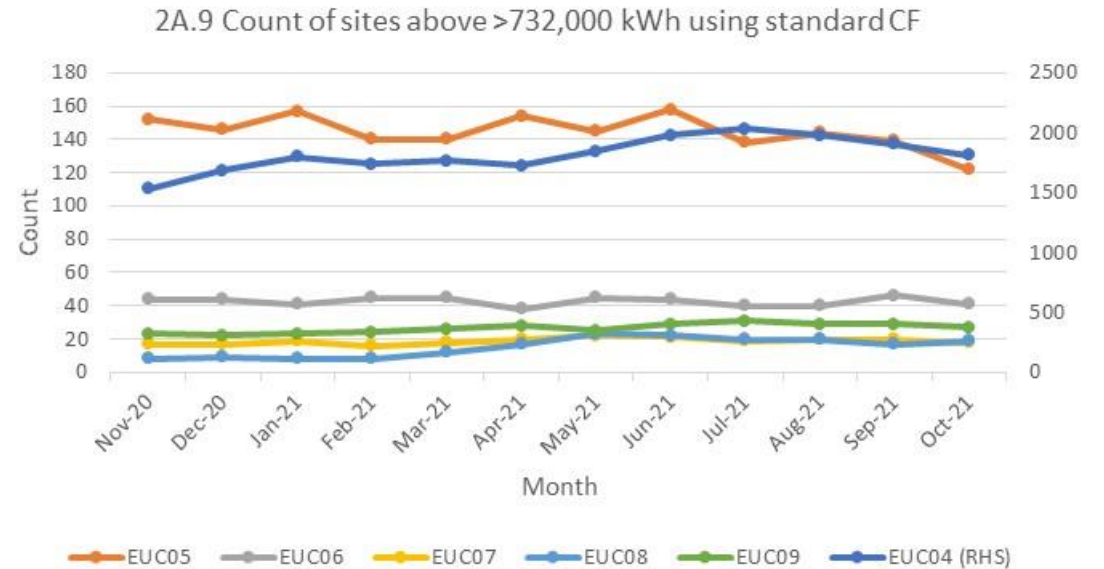
↑ 2 Monthly Change  
 ↑ 11 Annual Change

## EUC06

↓ 5 Monthly Change  
 ↓ 3 Annual Change

## EUC09

↓ 2 Monthly Change  
 ↑ 4 Annual Change



### Observations:

- EUC04 continues to have a significantly higher number of standard correction factors incorrectly used compared to other EUC bands
- Work with the CAMs 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 Reads

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

## EUC01

↑ 16404 Monthly Change  
 ↑ 17911 Annual Change

## EUC02

↑ 221 Monthly Change  
 ↑ 229 Annual Change

## EUC03

↑ 58 Monthly Change  
 ↑ 46 Annual Change

## EUC04

↑ 2 Monthly Change  
 ↓ 3 Annual Change

## EUC05

↑ 1 Monthly Change  
 ↑ 2 Annual Change

## EUC06

↑ 2 Monthly Change  
 ↓ 2 Annual Change

## EUC07

↑ 2 Monthly Change  
 ↓ 1 Annual Change

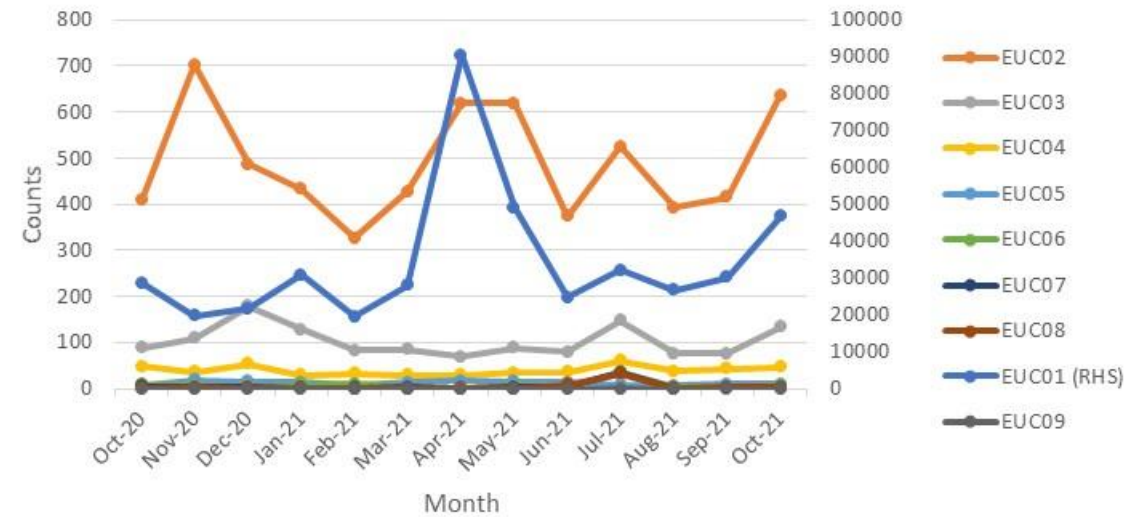
## EUC08

No Monthly Change  
 ↑ 2 Annual Change

## EUC09

No Monthly or Annual Change

2B.10 Count of meter reading replaced by EUC



### Observations:

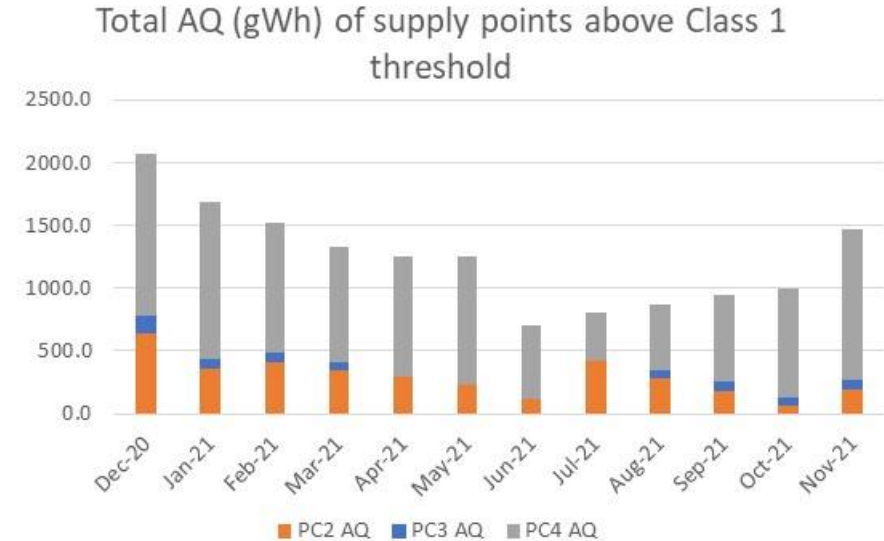
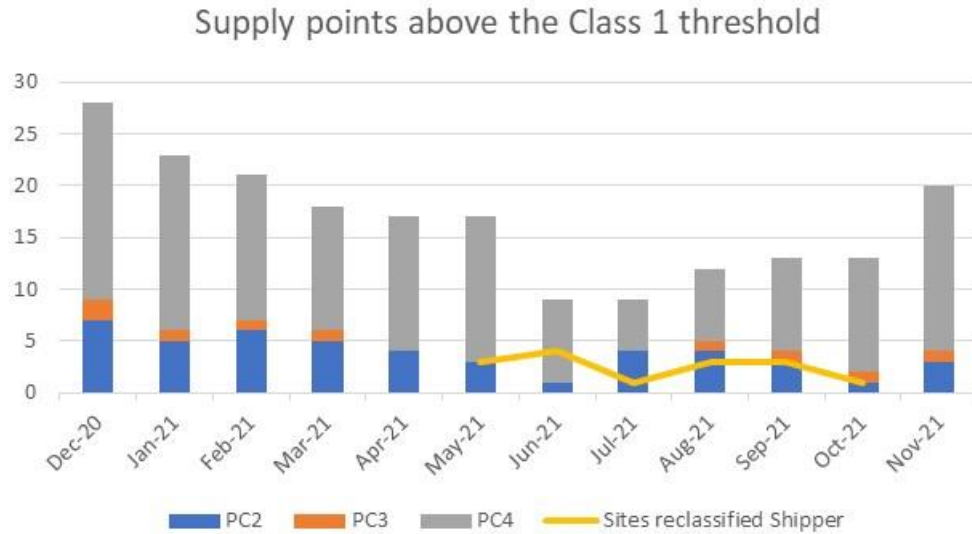
- Work with the CAMs has enabled the PAC to identify that in general, the spikes are due to Shipper’s cleansing their portfolio.
- The number of replaced meter reads has generally been trending downwards across all EUC bands over the last few months.





# 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



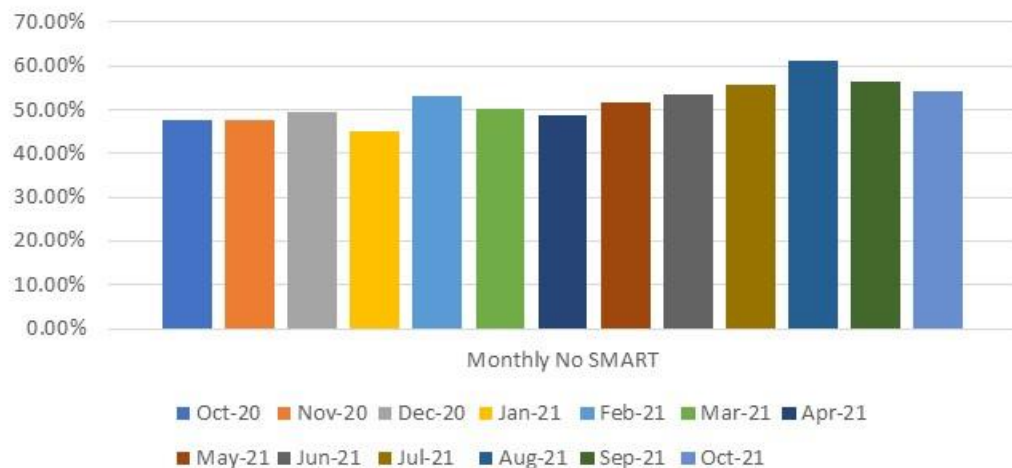
### Observations:

- Number of sites above the class 1 threshold has halved since the beginning of the reporting period – PC4 has the largest number of sites that require reclassifying. Only Shipper has been reclassifying sites, none have been completed by CDSP.
- Total AQ of these supply points has declined as a result.

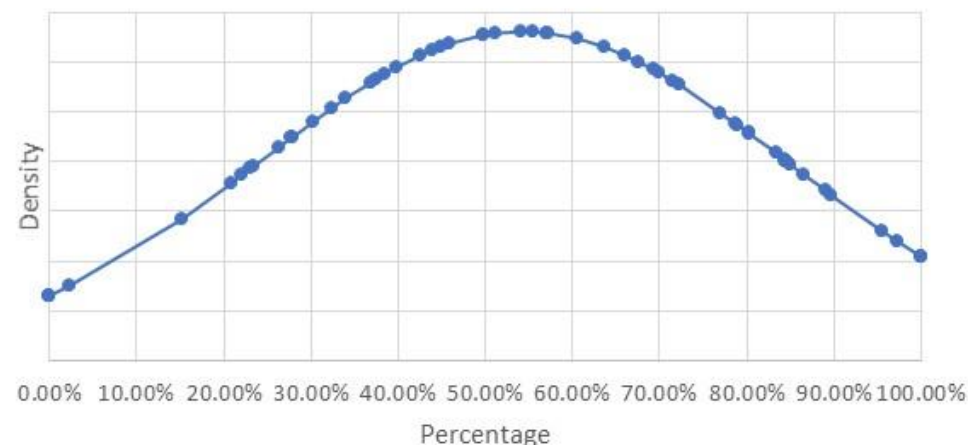
# 2A.12a AQ Read performance – PC4 Monthly no SMART

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

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:

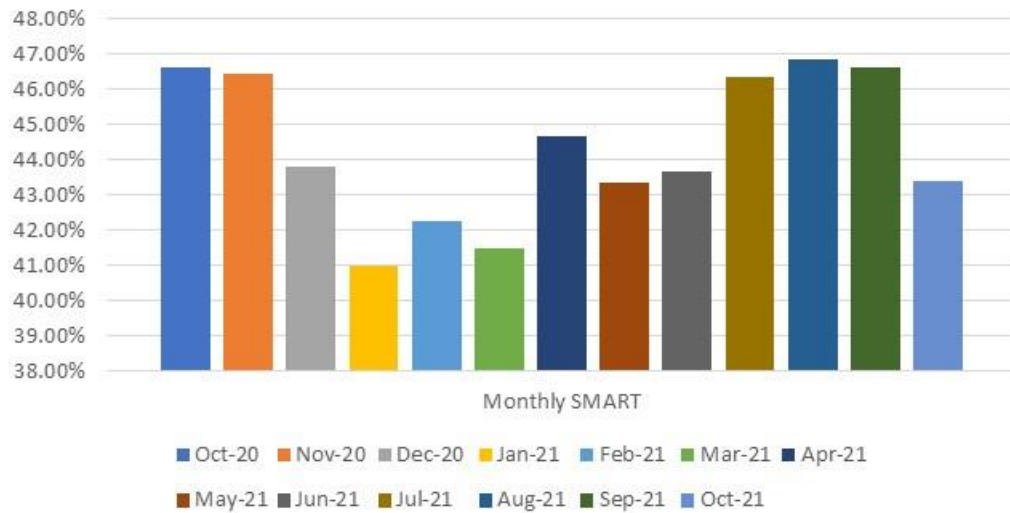
- Industry average remains below target of 90%
  - A number of Shippers are operating below target (based on 12 month average).
- Following the issue of performance improvement letters in the PC4 monthly market, the expectation is that the measure will improve over the coming months. PAFA will continue to work with Shippers and CAMs in this area.



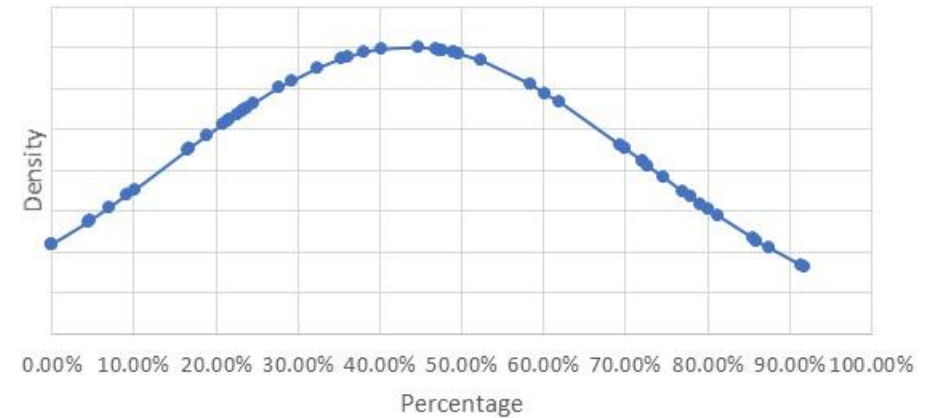
# 2A.12b AQ Read performance – PC4 Monthly SMART

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

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



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



## Observations:

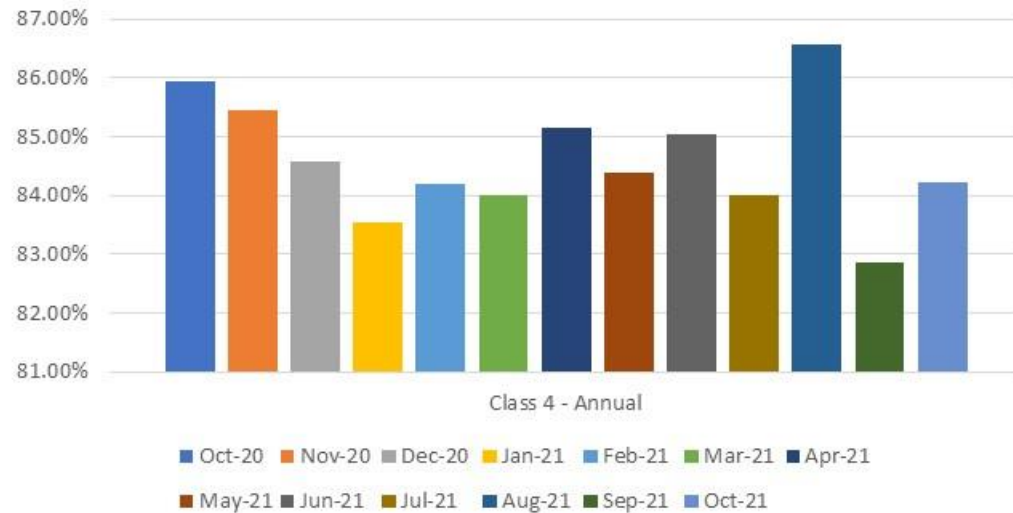
- Industry performance within the PC4 monthly SMART for sites with AQ>293000 kWh has improved over recent months, though the majority of Shippers are performing below industry requirement.
- PAFA will continue to work with Shippers and CAMs to improve performance within this area.



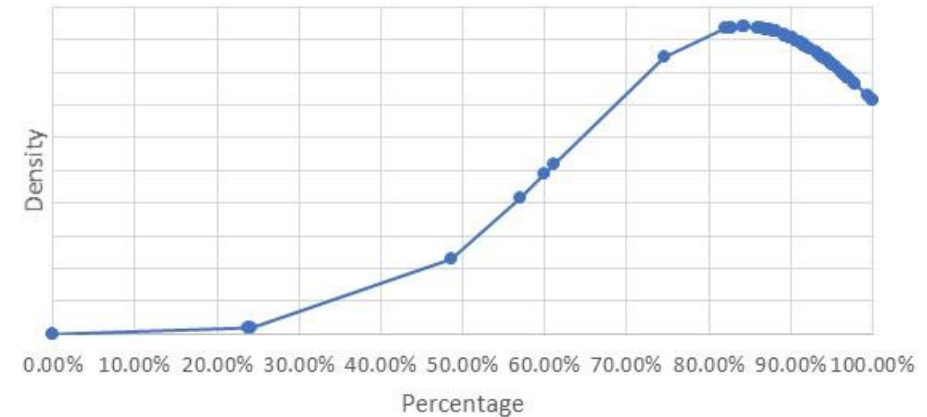
# 2A.12c AQ Read performance – PC4 Annual

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



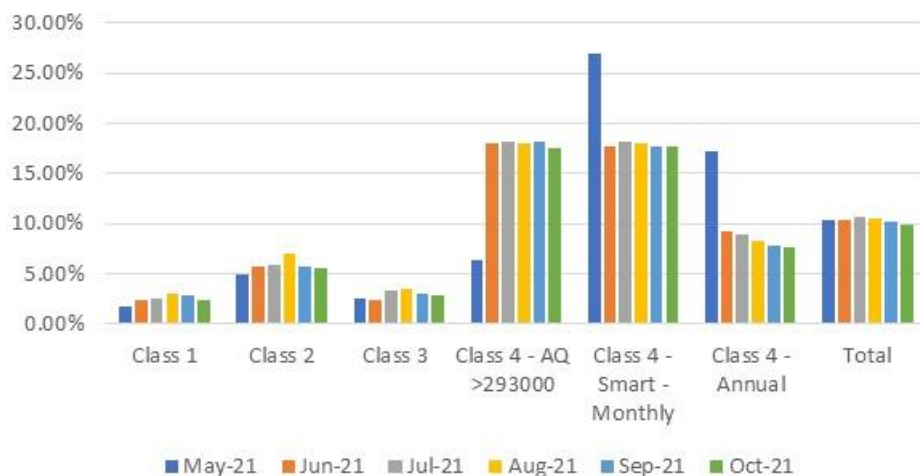
### Observations:

- Performance within this market over the last 12 months is on average (c. 85%) higher than the PC4 monthly SMART (c. 45%) and PC4 monthly no SMART (c. 51%).
- There are three Shippers which are performing outside of the industry average, with a significant number of Shippers operating above the 90% requirement.

## 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 the PC4 market.
  - Whilst there have been declines in the PC4 Monthly SMART and PC4 Annual market, Class 4 >293000 have seen increases.
- 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 October 2021:

### Product Class 1

Praia 51.51%  
Philipsburg 11.65%  
Papeete 5.97%

### Product Class 4 – AQ>293000

Maputo 100%  
Gaborone 61.38%  
Doha 53.00%

### Product Class 2

Tehran 100 %  
Reykjavik 16.48%  
Rome 15.43%

### Product Class 4 – Monthly SMART

Quito 100%  
Luxembourg 100%  
Berlin 61.69%

### Product Class 3

Oranjestad 100%  
Reykjavik 35.78%  
Yerevan 34.67%

### Product Class 4 - Annual

Bamako 100%  
Quito 82.10%  
Maputo 75.76%

# Appendix – PARR report details



Sr No	Topic	Details	Split By	12 Rolling Months	Format	e.g. For Nov Report	Condition	Comments
1	2A - Estimated & Check Reads used for Gas Allocation, and consumption adjustments for Product Classes 1 & 2	<p>Need to count everyday portfolio and count mprn where read has been estimated and no actual present on the same day .</p> <p>Check Read : For check reads we would need to check , as of reporting day how many class 1 &amp; 2 MPRNs are present with DRE/AMR.</p> <p>For those MPRNs we have site visit read &lt;=14 months and no subsequent site visit read . Those are outstanding ones per shipper.</p>	Class	Annual	Percentage	September	M-2	
2	2A - No Meter Recorded in the Supply Point Register	AQ Band wise , AQ band based on report run day . Class wise different table And AQ Band. Exclude NTS connected Sites & Telemeterd. Exiting SHPK - Topic - Confirmed No Asset Report	Class	Annual	Count & B - Percentage	Nov	M	
3	No Meter Recorded in the Supply Point Register and data flows received by Xoserve	Same as above but additionally need to check if for above MPRNs any Data Flow Means - > Asset Update , C & D Store & Reads received in that month	Class	Annual	Count & B - Percentage	Additional MPRNs		
4	2A - Shipper Transfer Read Performance	M-2 is considered – Open OPNT_REQ_FOLL_CON OPNT_RECEIVED_10	Class	Annual	Percentage	September	M-2	
5	Read Performance	As per frequency we need to check if we have received the read e.g. month read site will check if we have received the read in month .Class and shipper transfer are excluded .6 Monthly read site need to consider yearly ,it is not in UNC. It will be like MUR logic M-2 , exclude sites where class changes happened in M-2 , shipper changes	Class		Percentage	September	M-2	

# Appendix – PARR report details



Sr No	Topic	Details	Split By	12 Rolling Months	Format	e.g. For Nov Report	Condition	Comments
6	2A - Meter Read Validity Monitoring	<p>MRE01026 :Reading breached the lower Outer tolerance.                      MRE01027 :Reading breached the Upper Outer tolerance.                      MRE01028 :Reading breached the lower Inner tolerance value and no override flag provided.                      MRE01029 :Reading breached the upper Inner tolerance value and no override flag provided.                      MRE01030 :Override tolerance passed and override flag provided</p> <p>We can build this from DUK_ARSR , by checking failed reads . DUK_READ = We can get how many successfull reads received based on Status =U . Failed once are with status =F</p>	Reason Codes		Percentage	October	M-1	
7	No reads received for 1,2,3 or 4 years ( excludeds estimated	<p>Per class table , per AQ Band ,Need to ignore estimates for all classed Logic is similar to existing SHPK Logic - NO_READ_2Y_3Y_B73200                      Here we would need to create 4 counts No reads received for 1 , 2 , 3 , 4 years sepeartely as per layout</p>	AQ Band	Annual	Percentage	Nov	M	
8	2A - AQ Corrections	<p>AQ correction by reason code :                      Switch Type = 50 , Switch View = 50 , Switch status = LI                      Reason code per table , Reason code is new field added in ISU BW - DS                      OUC_SWTDOC Switch Document new field added in DS - ZZ_AQ_REASON</p>	AQ Band	Annual	count	October	M-1	
9	2A - Standard Correction Factors for sites with AQ > 732, MWH	<p>Standard correction factor by AQ Band                      Count of meter points where replacement reads received by AQ Band ,only for class 3&amp; 4 ,</p>	AQ Band	Annual		Nov	M	Report should only include AQs above 732000. Currently including >=732000
10	2A - Replaced Meter Reads	<p>Replaced meter reads are identified with DUK_READ where read reason = R , Upload Status = U , we would need to add AQ Band either in DUK_READ or consider while processing</p>	AQ Band	Annual		October	M-1	

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