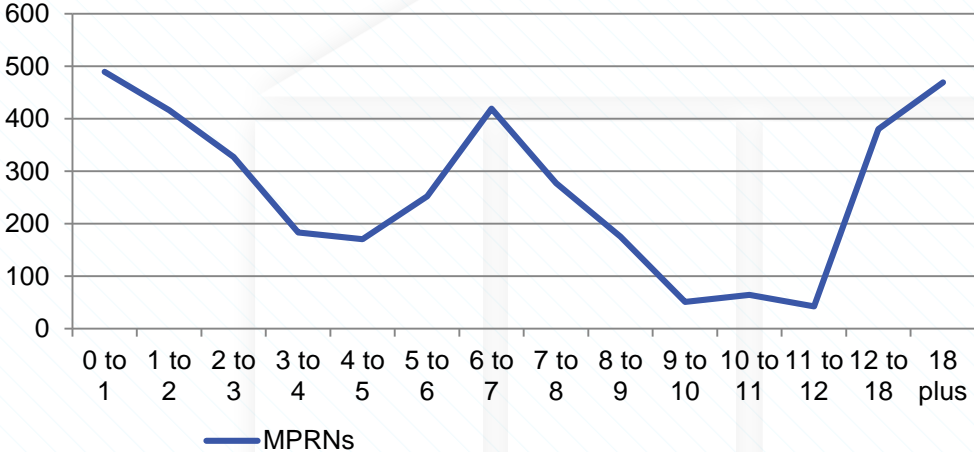# Faulty Meters Analysis

10th September 2019 Update

Class Breakdown (MPRNs)
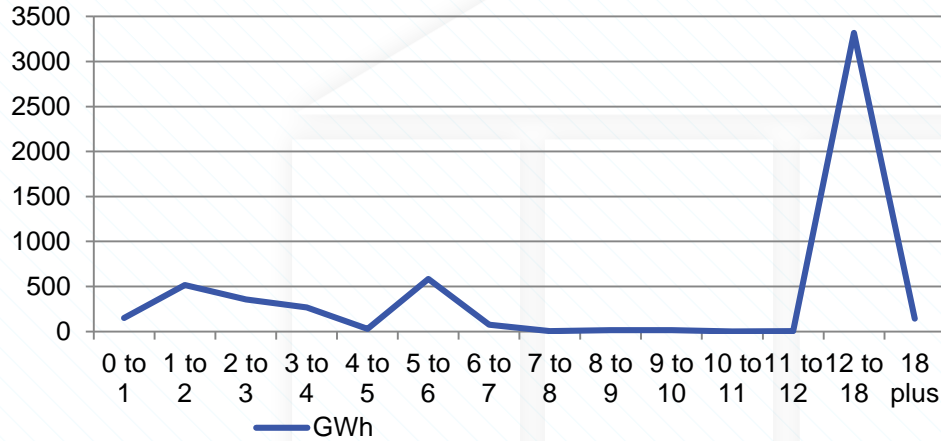
Total Faulty MPRNs Age Profile

Legend: —— MPRNs

One shipper with 49% of C4 MPRNs 12-18 Months and 24% of MPRNs in 18 plus

Count of MPRNs	Age Profile													
Class	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 18	18 plus
1		1	2	1	1		2						1	1
2	1	5	2		1	2	3		1		1		36	3
3	5	6											1	1
4	482	403	324	182	169	248	416	277	174	50	64	42	342	464

Class Breakdown (GWh AQ Volume)

Total GWh AQ Vol Age Profile

One shipper with 80% of C2 vol and 100% of C1 vol

1 shipper with 57% of C4 Volume (9 MPRNs)

2 shippers with equal volume in C2 (3 MPRNs)

GWh AQ Vol	Age Profile													
Class	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 18	18 plus
1	136	322	273	264	0	537	0	0	0	0	0	0	2455	24
2	9	178	77	0	26	30	51	0	9	12	0	0	848	70
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	6	13	3	2	2	17	24	3	7	2	1	2	14	48

Associated AQ volume / meter type split

Meter Type	Total GWH	% Of Total	CAM Activity Commentary
			1 shipper has 72% of total AQ Volume (4 meters in C1 with associated 3076 GWH AQ volume and 32 meters in C4 with combined associated 719 GWH)
Traditional / AMR	**5449**	99.70%	
SMART	**16**	0.30%	

- Further work underway to determine traditional / AMR split

- Recommend to re-run analysis after implementation of XRN 4991 to detail how C3 GWh changes with further class uptake?

MPRN share and average days faulty

Total Number of Faulty Meter MPRNs	Average Days Faulty	Potential CAM Activity?
		> CAMs to approach shipper with largest share (46%) of MPRNs (av number of days 154, associated 21 GWh)
3714	242	> CAMs to approach shipper with 2nd largest (15%) of MPRNs (av number of days 360, associated 6 GWh)

Summary

- As per action/s outlying shippers have been identified based on:

  > Number of MPRNs flagged as being faulty
  > Associated AQ Volume
  > Age profile of Faulty Meter Flag
  > Average time taken to resolve

Next steps

- CAMs to continue discussions with shippers and report back to October PAC with update
- Add further meter type (AMR split from traditional) reporting and re-run (to include post-XRN4991 implementation) for October committee