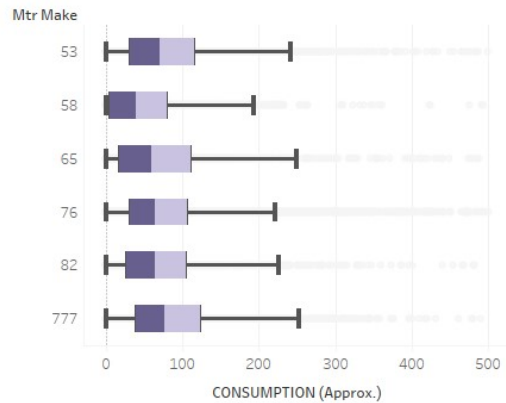


analysis of
reading data

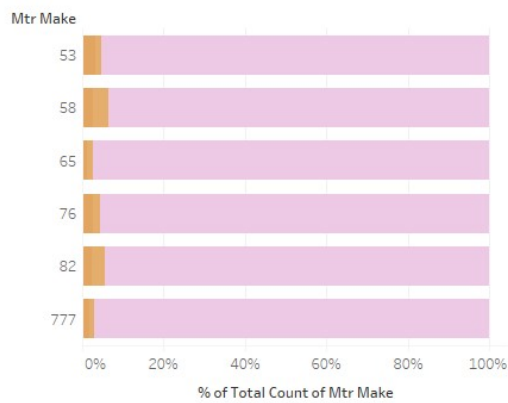
Objective: Post lockdowns, the electricity consumption has increased considerably but the electricity sale has not increased proportionately thus leading to a rise in AT&C loss. Monthly meter reading data for the month of September is analyzed to ascertain the causes leading to rising losses and predict possible remedies

METER PERFORMANCE

Box Plot: Consumption vs Meter Make



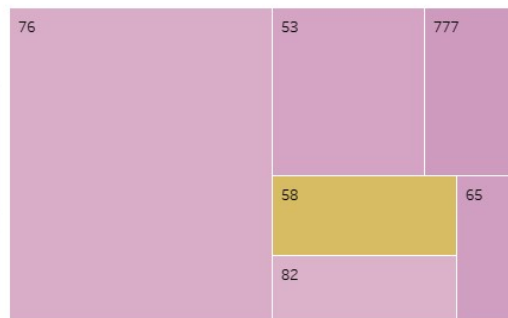
Percentage of faulty meters by brand code



Median consumption by brand code and meter status

MS	Mtr Make					
	53	58	65	76	82	777
0	70.0	40.0	58.0	66.0	66.0	76.0
1	85.0	39.5	51.5	54.0	47.5	40.0
2	49.0	29.0	88.0	100.0	10.0	92.5
4	100.0	56.0	2.0	96.5	18.0	111.5
5	42.0	12.0	24.0	33.0	45.5	32.0

Count of Meters



Mtr Make

- ☐ (All)
- ☐ 2
- ☐ 4
- ☐ 8
- ☐ 10
- ☐ 15
- ☐ 16
- ☐ 18
- ☐ 20
- ☐ 22
- ☐ 23
- ☐ 24
- ☐ 26
- ☐ 28
- ☐ 30
- ☐ 34
- ☐ 36
- ☐ 38
- ☐ 39
- ☐ 43
- ☐ 46
- ☐ 50
- ☐ 52
- ☒ 53
- ☐ 55
- ☐ 56
- ☒ 58
- ☐ 59
- ☐ 61
- ☒ 65
- ☐ 66
- ☐ 67
- ☐ 69
- ☐ 71
- ☐ 72
- ☐ 74
- ☐ 75

READER PERFORMANCE

Boxplot indicating readerwise consumption statistic



Meter Reader wise meter status wise consumption average



Reader ID

- ☐ (All)
- ☐ 02125595
- ☐ 02163152
- ☐ 02213460
- ☐ 02530228
- ☐ 02759381
- ☐ akashrite
- ☐ atulc
- ☐ barge
- ☐ chikane
- ☐ chorge
- ☐ czurekar
- ☐ gholapr
- ☐ kangade
- ☐ krishanas
- ☐ kunjir
- ☒ lagade
- ☐ MB1990
- ☐ phanse
- ☐ riten
- ☐ sunilp
- ☐ sypawar
- ☐ tanpure
- ☐ todkar

Sheet 10



Readerwise count of consumers read & their average consumption

sunilp 79.8	sypawar 81.7	riten 86.0 1,531 71.0	lagade 79.1 1,443 62.0	
phanse 78.8	kangade 86.2			
kunjir 75.0	gholapr 78.3	czurekar	MB1990 88.7 1,166	
atulc 79.4	chorge 76.2	krishanas	chikane 82.6	
		tanpure		

Group

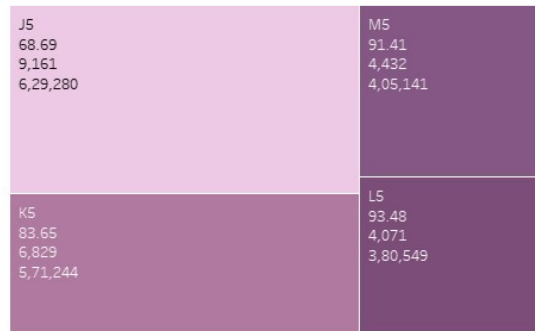
- J5
- K5
- L5
- M5

Median CONSUMPTION (..)

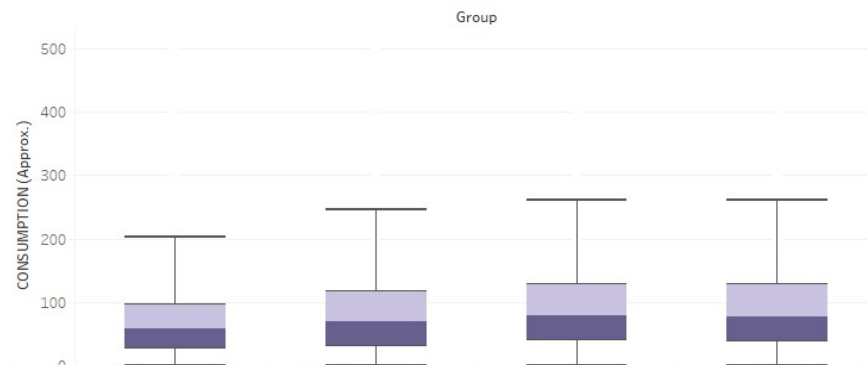
27.0 ■ 142.5

LOCALITY WISE DATA

GROUPWISE NUMBER OF CONSUMERS , THEIR
AVERAGE CONSUMPTION & THEIR TOTAL
CONSUMPTION



BOXPLOT FOR GROUPWISE CONSUMER CONSUMPTION



Remidies:

- 1.) The average and median consumption of meter brand 58 is signifanctly lower then other brands. The consumption of consumers must be crosschecked with the meter and if abnormality found meter must be replaced.
- 2.) Median consumption of meter status which are not normal and are below 60 units must be verified physically.
- 3.) Meter readers who have average consumption and median consumption on lower side must be invited to share their suggestions to increase consumption.
- 4.) J5 group has a low median consumption and low average consumption causes of this needs to be verified