

# Reliability Statistics

## Electric

Yearly Reliability Report		2022
Outage Statistics	ASAI (%)	99.9937
	CAIDI (Long) (min)	50.658
	SAIDI (Long) (min)	33.012
	SAIFI (Long) (ints/total cust)	0.652



ASAI - Average Service Availability Index (customer minutes available/total customer minutes, as a %)

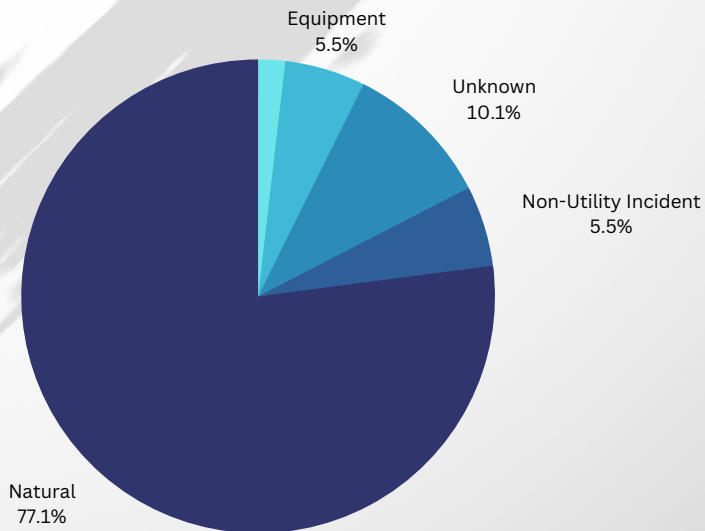
CAIDI - Customer Average Interruption Duration Index (average minutes interrupted per interrupted customer)

SAIDI - System Average Interruption Duration Index (average minutes interrupted per customer for all customers)

SAIFI (Long) - System Average Interruption Frequency Index (# of long interruptions per customer for all customers)

SAIFI (All-in) - System Average Interruption Frequency Index (# of interruptions per customer for all customers)

Outage Causes	'18	'19	'20	'21	'22
Power Supply	3	0	0	0	2
Equipment	17	19	14	19	6
Natural	47	66	23	42	84
Utility Human Error	0	0	1	1	0
Non-Utility Incident	9	9	1	1	6
Unknown	20	15	28	19	11
Totals	96	109	67	75	109



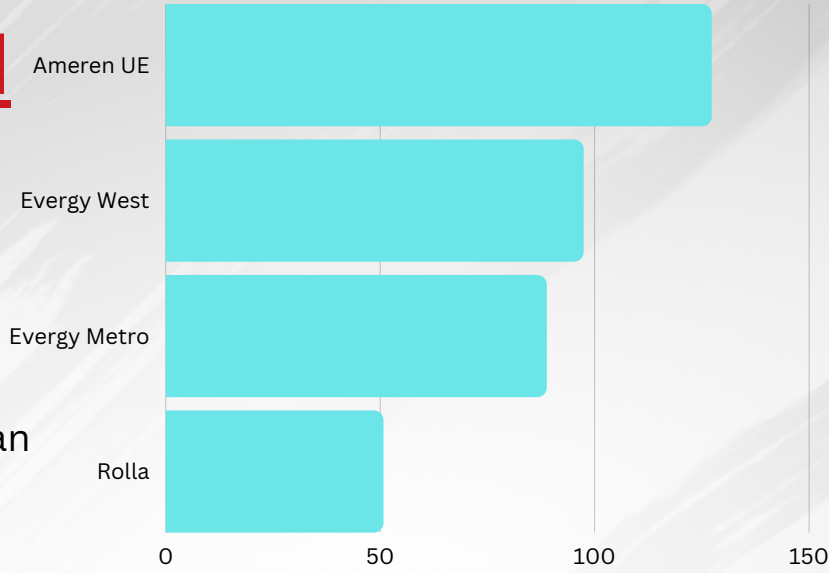


# Electric Continued

## Average Outage Length for Customers

Customer Average Interruption Index (CAIDI):  
As reported by MoPSC and RMU

Rolla Customers wait in the dark less than investor-owned systems.



# Reliability Statistics

WATER OUTAGE CAUSES	2018	2019	2020	2021	2022
Water main Break	14	7	3	7	9
Hole in Water Main	20	16	34	16	19
Split in Water Main	4	2	2	2	1
Fitting Failure	5	3	2	3	1
Service Line Break	8	4	3	4	1
Service Line Replacement	0	1	2	1	0
Fire Line Break	1	0	0	0	0
Valve repair/Replacement	2	0	0	0	3
Installation Fitting	1	0	0	0	6

## Water

