



LAKE WORTH BEACH

Electric
UtilitiesSM

CITIZEN OWNED ENERGY

Electric Reliability

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CAIDI - Customer Average Interruption Duration Index

The average time to restore service to interrupted customers within a specified area of service over a given period of time.

SAIDI – System Average Interruption Duration Index

The average minutes of service interruption duration per customer served within a specified area of service over a given period of time.

SAIFI – System Average Interruption Frequency Index

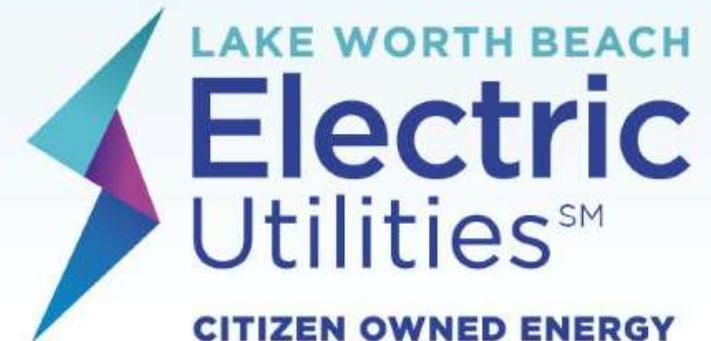
The average number of Service Interruptions per customer within a specified area of service over a given period of time.

MAIFI – Momentary Average Interruption Event Frequency Index

The average number of Momentary Interruption Events recorded on primary circuits for a specified area of service over a given period of time.

L-Bar – Average Duration of Outage Events

The sum of each outage event duration for all outage events occurring during a given time period, divided by number of outage events over the same time period within a specific area of service.

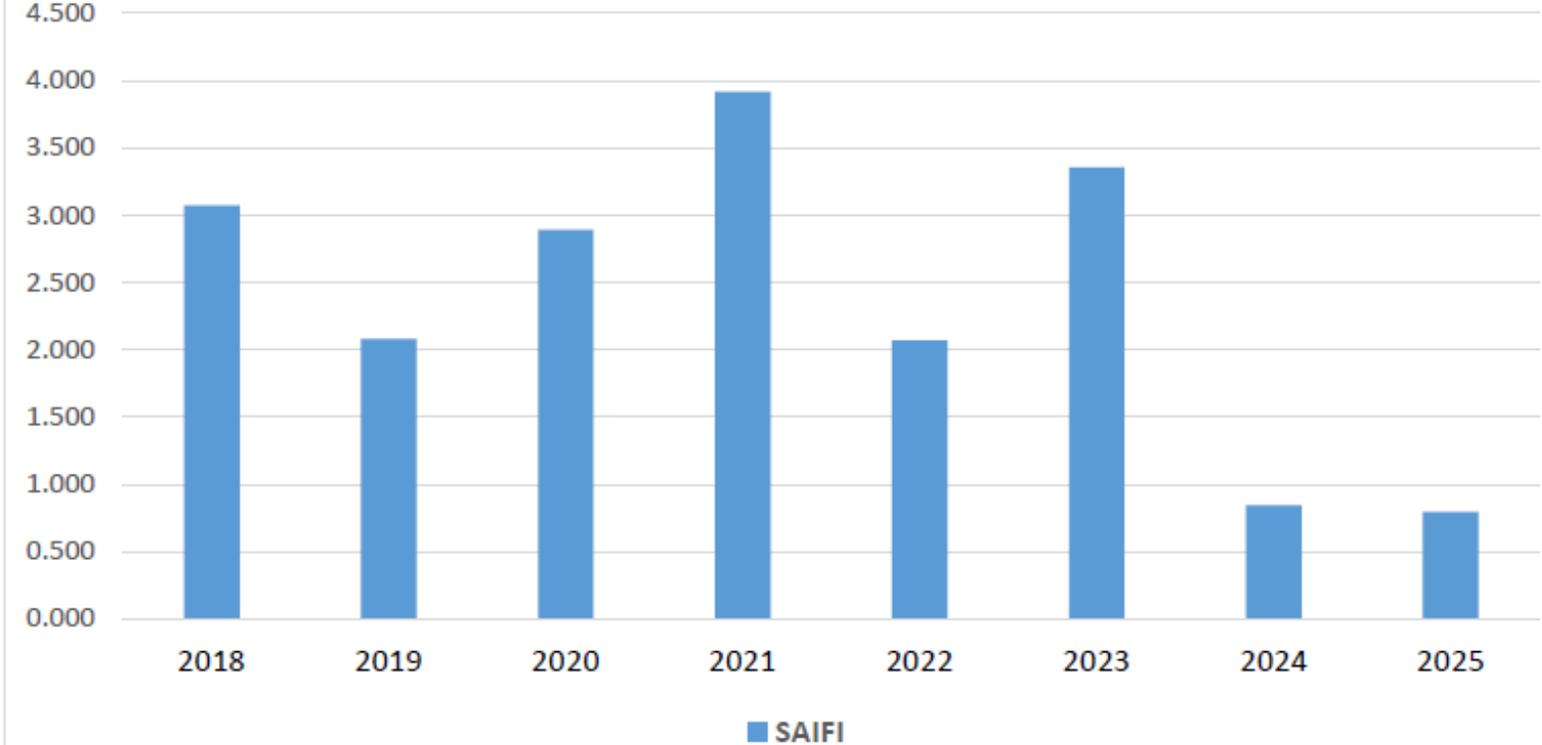


SAIFI – Measures the average frequency of interruptions for the average customer.

END OF THE YEAR RELIABILITY NUMBERS - SAIFI (FREQUENCY)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
SAIFI	3.073	2.078	2.889	3.917	2.070	3.355	0.845	0.794
% Change		-32.4%	39.0%	35.6%	-47.2%	62.1%	-74.8%	-6.0%

END OF THE YEAR RELIABILITY NUMBERS - SAIFI (FREQUENCY)



Customers that experienced an outage
Number of customers served

$$\frac{22,387}{28,206} = 0.794$$

Last year was 23,524 impacted.
 2025 was a reduction of -6.0%



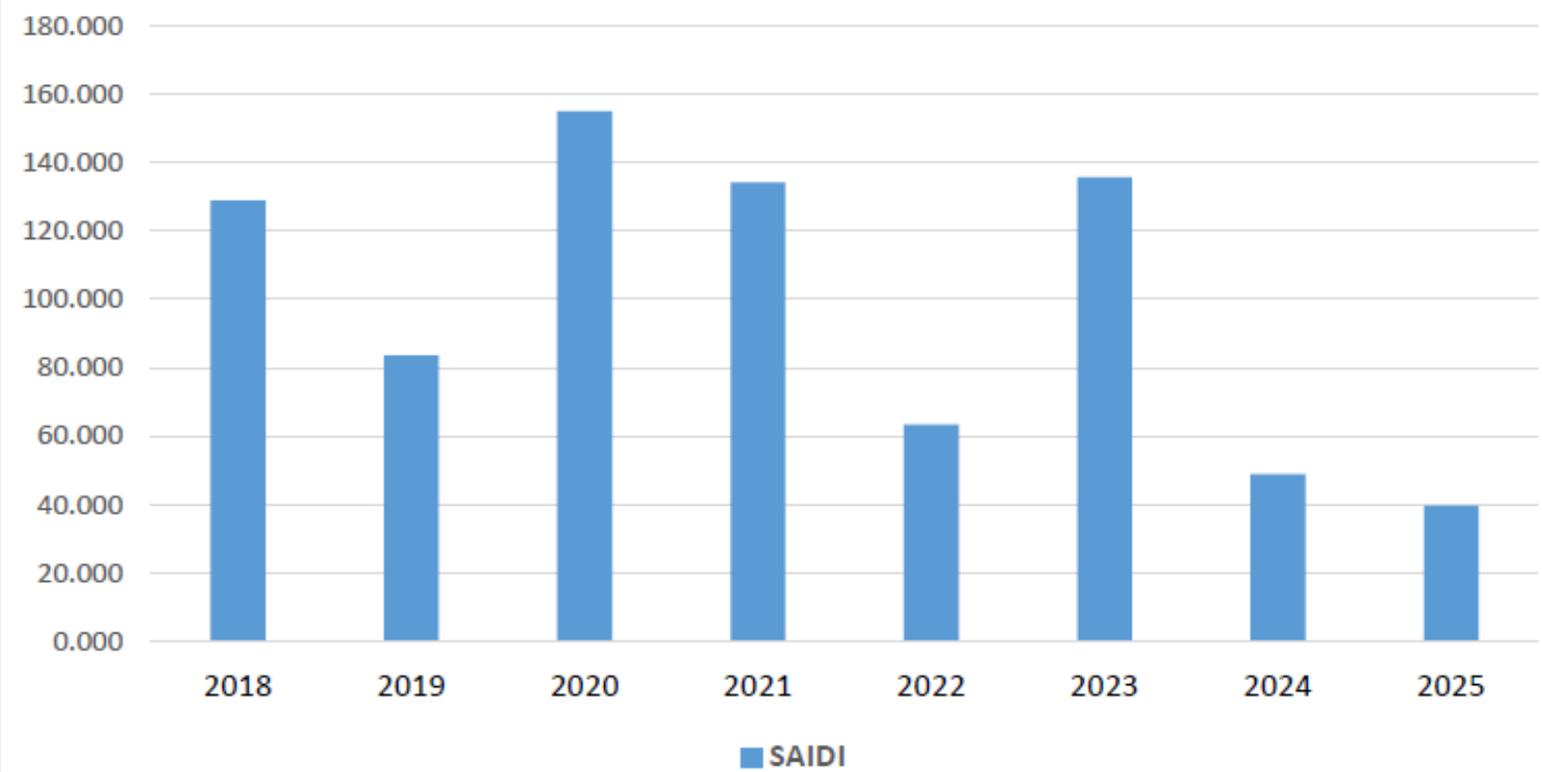
SAIDI – Measures the average duration of interruptions for the average customer.

Customer minutes of interruption (CMI) equals the number of customers out times the duration of the outage in minutes.
 1 customer out of 100 minutes = 100 CMI
 10 customers out for 10 minutes = 100 CMI

END OF THE YEAR RELIABILITY NUMBERS - SAIDI (DURATION)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
SAIDI	128.861	83.601	154.835	134.068	63.384	135.684	48.913	39.649
% Change		-35.1%	85.2%	-13.4%	-52.7%	114.1%	-64.0%	-18.9%

END OF THE YEAR RELIABILITY NUMBERS - SAIDI (DURATION)



Customer minutes of interruption
 Number of customers served

$$\frac{1,118,350}{28,206} = 39.649$$

Last year our CMI was 1,361,842.
 2025 resulted in reduction of -18.9% or
 124,492 less minutes of interruption



CAIDI – Measures the average repair time experienced by the average interrupted customer.

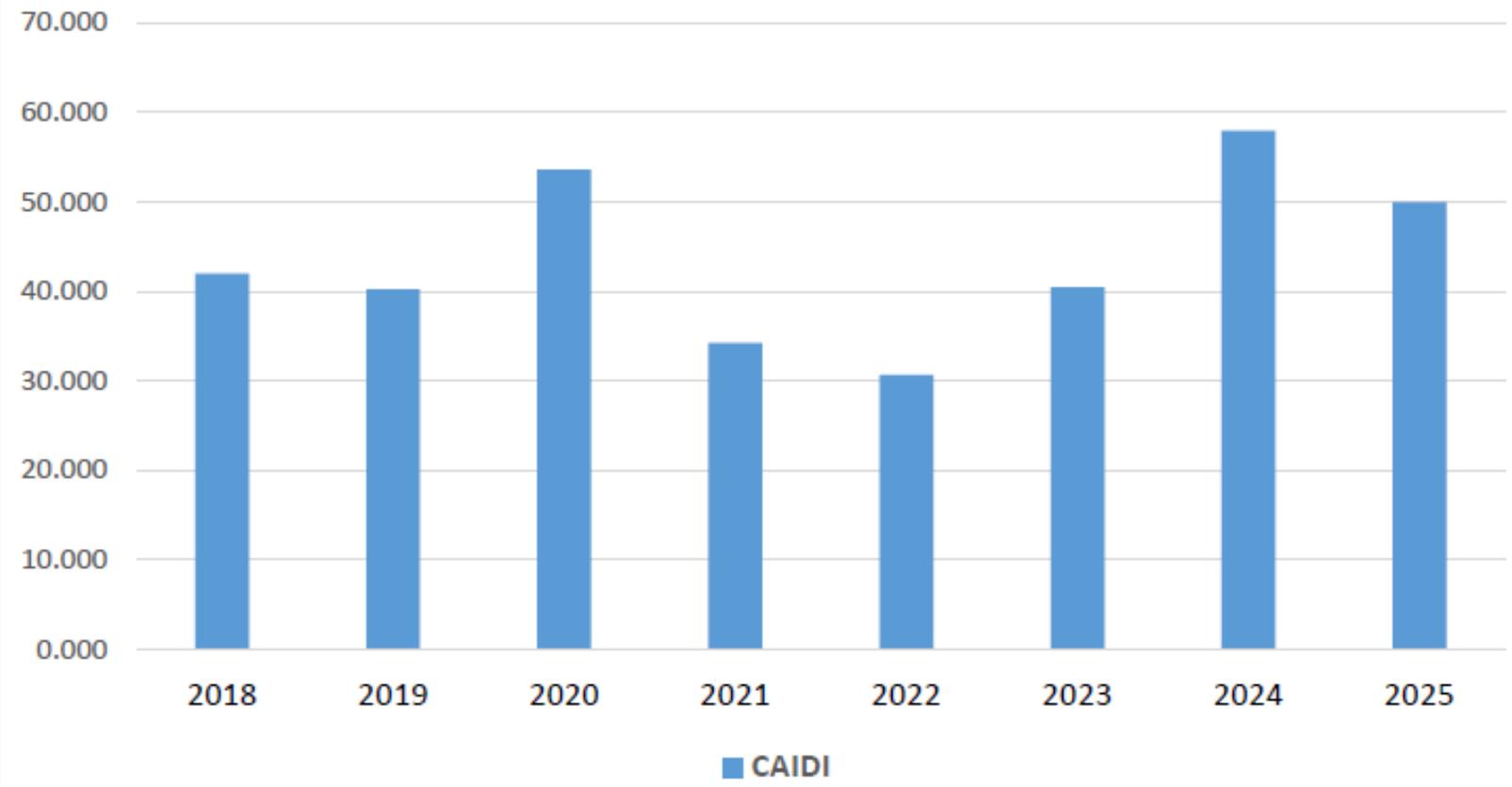
END OF THE YEAR RELIABILITY NUMBERS - CAIDI

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
CAIDI	41.939	40.226	53.590	34.224	30.623	40.441	57.892	49.955
% Change		-4.1%	33.2%	-36.1%	-10.5%	32.1%	43.2%	-13.7%

$$\frac{\text{SAIDI}}{\text{SAIFI}} = \text{CAIDI}$$

$$\frac{39.649}{0.794} = 49.955$$

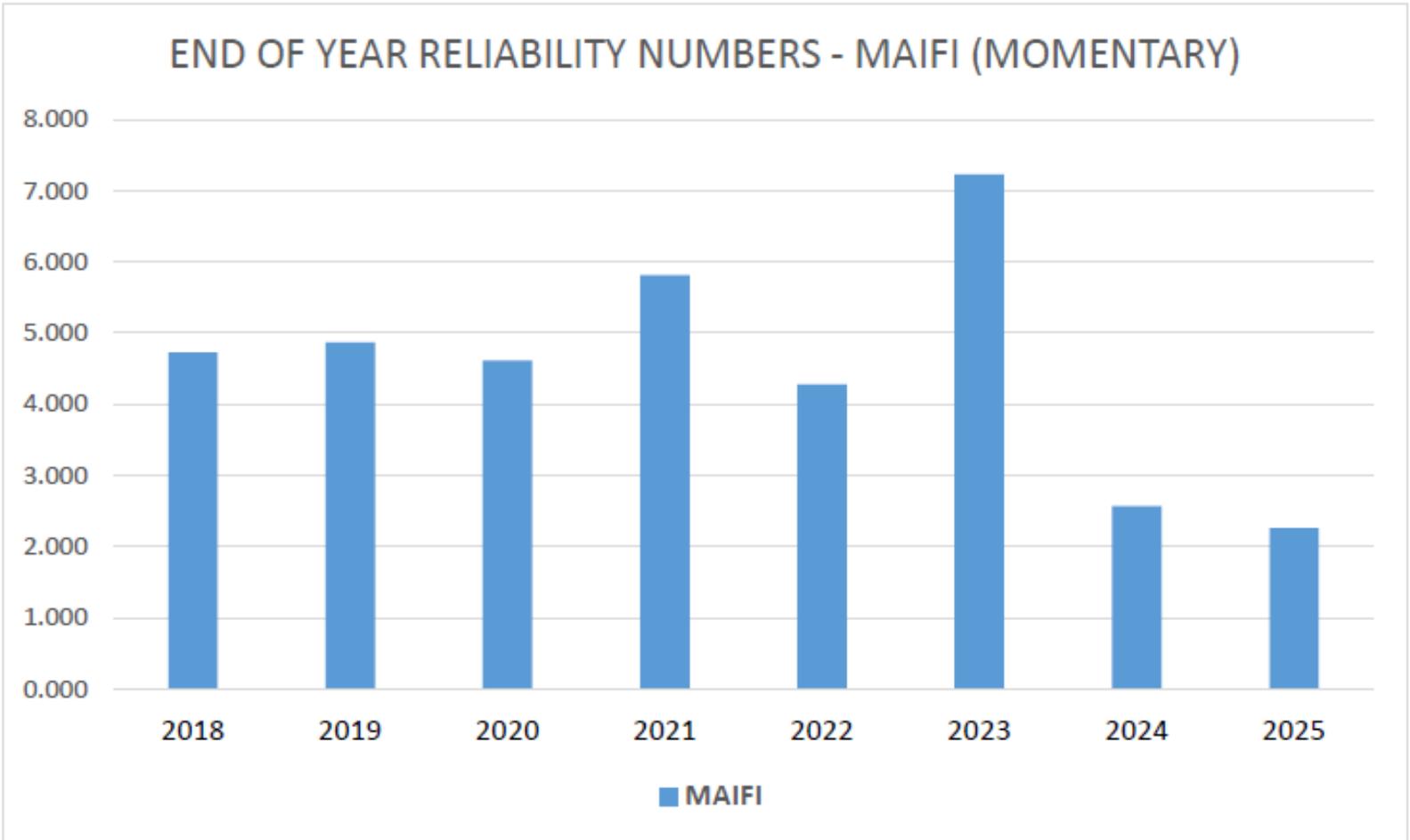
END OF THE YEAR RELIABILITY NUMBERS - CAIDI



MAIFI – measures the average frequency of momentary interruption events for the average customer.

END OF YEAR RELIABILITY NUMBERS - MAIFI (MOMENTARY)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
MAIFI	4.733	4.871	4.616	5.820	4.280	7.235	2.572	2.259
% Change		2.9%	-5.2%	26.1%	-26.5%	69.0%	-64.5%	-12.1%



Customers that experienced a momentary
Number of customers served

$$\frac{62,723}{28,206} = 2.259$$

Last year was 71,598 customer momentary.
2025 saw a reduction of -12.1% or 8,875
less momentary interruptions.

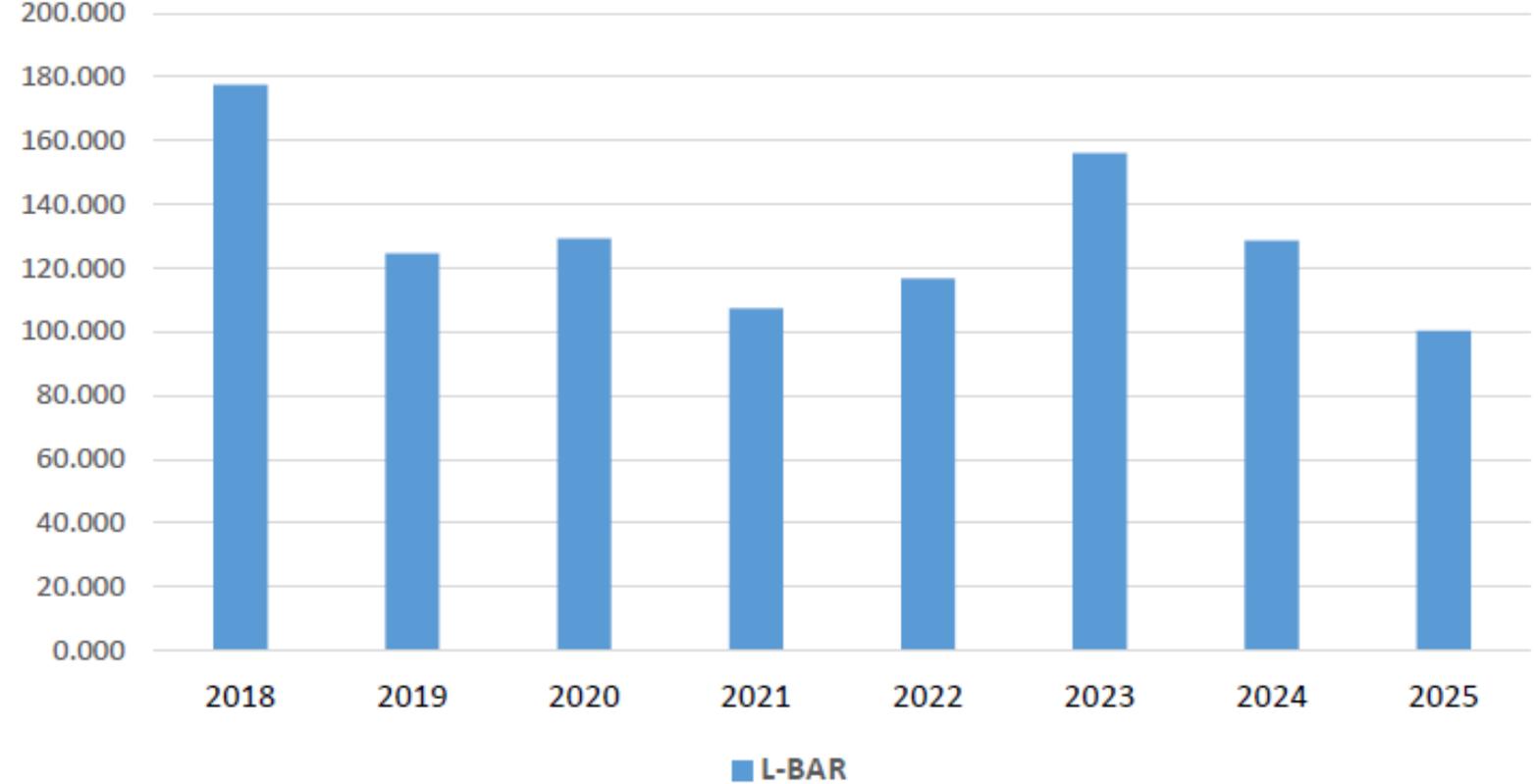


L-BAR – Measures the average length of a single outage.

END OF THE YEAR RELIABILITY NUMBERS - L-BAR

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
L-BAR	177.581	124.631	129.319	107.202	116.680	156.189	128.633	100.399
% Change		-29.8%	3.8%	-17.1%	8.8%	33.9%	-17.6%	-21.9%

END OF THE YEAR RELIABILITY NUMBERS - L-BAR



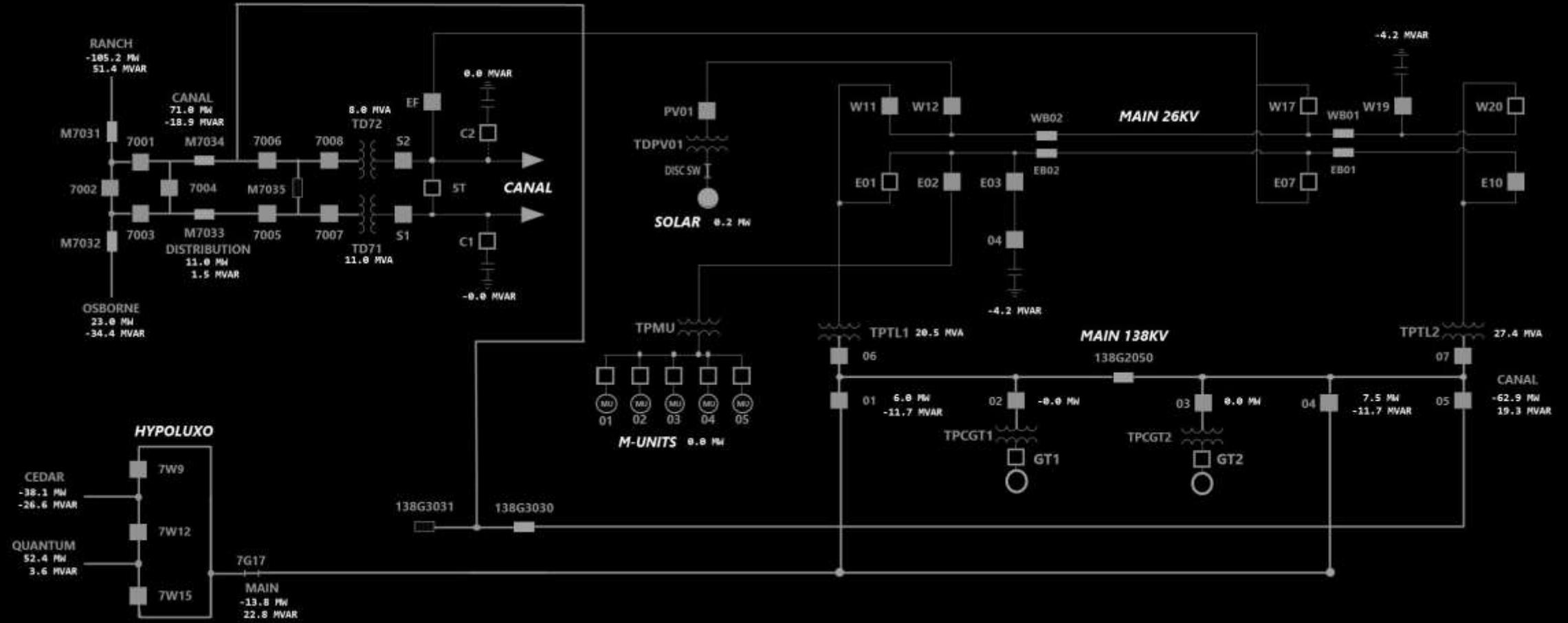
Sum of each outage in minutes
Number of outages

$$\frac{28,714}{286} = 100.399$$

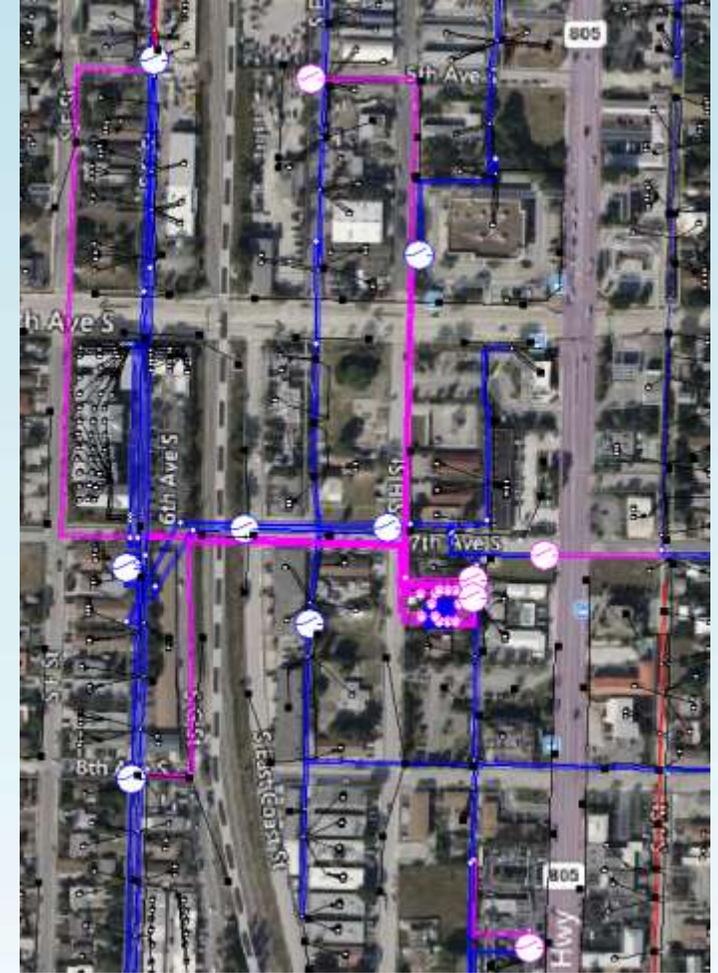


BES TRANSMISSION

SYSTEM LOAD
68.5 MW
6.5 MVAR



Projects underway that will continue to improve reliability.





Thank you... Questions?



<https://www.psc.state.fl.us/distribution-reliability-reports> Website for 2024 FPL Distribution Reliability Report