THUMB ELECTRIC COOPERATIVE

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April 1, 2026

Lisa Felice
Executive Secretary
Michigan Public Service Commission
7109 West Saginaw Highway
3rd Floor
Lansing, MI 48917

Subject: Case No. U-12270
Thumb Electric Cooperative
2025 Annual Performance Standards Report

Dear Ms. Felice:

In accordance with Michigan Public Service Commission Order, in Case No. U-12270, please find Thumb Electric Cooperative's 2025 Annual Performance Standards Report, which has been electronically filed.

If there are any questions or comments, please do not hesitate to contact me.

Sincerely,

Brad Essenmacher
General Manager

pc John Kran - MECA
Richard Aaron – Dykema, Gossett
File

MPSC Service Quality and Reliability Standards for Electric Utilities
R460.731 Annual Report

Utility or Cooperative:	**THUMB ELECTRIC COOPERATIVE**
Year:	**2025**

SUMMARY TABLE R460.732(s)

	Meter Reading Factor R460.732 (a)	New Service Installation Factor R460.732(b)	Wire Down Relief Factor R460.732 (c)		Outage Restoration				CEMI4	
					All Conditions R460.732 (d)	Normal Conditions R460.732 (e)	Gray-Sky Conditions R460.732 (f)	Catastrophic Conditions R460.732 (g)	Sustained Interruptions R460.732 (h)(i)	
	Meter Reading Factor (Percentage)	*New Services Installed in 15 Business Days or Less (Percentage)*	*The percentage of the first responder guarded downed wires that are relieved by an electric utility representative within 120 minutes after notification in MSAs.*	*The percentage of the first responder guarded downed wires that are relieved by an electric utility representative within 180 minutes after notification in non-MSAs.*	*Percentage of Customers Restored in 36 Hours or Less*	*Percentage of Customers Restored in 8 Hours or Less*	*Percentage of Customers Restored in 24 Hours or Less*	*Percentage of Customers Restored in 48 Hours or Less*	*Percentage of Customers Served Experiencing 4 or More Sustained Interruptions*	*Number of Customers Experiencing 4 or More Sustained Interruptions*
Utility or cooperative performance during year	100%	100%	**No MSAs**	Temp Waiver U-21509	100.00%	100.00%	99.44%	100%	0.42%	52
MPSC Annual Performance Standard	95% or more	90% or more completed within 15 business days	90% or more within 120 minutes in MSAs	90% or more within 180 minutes in non-MSAs	90% or more customers restored in 36 hours or less	90% or more customers restored in 8 hours or less	90% or more customers restored in 24 hours or less	90% or more customers restored in 48 hours or less	6% or less before 2030; 5% or less in 2030 or later	
Did utility or cooperative comply with performance standard (Yes/No)	Yes	Yes	N/A	N/A	Yes	Yes	Yes	Yes	Yes	

A detailed explanation of the steps the electric utility or cooperative is taking to bring its performance to an acceptable level. If more than 6% of customers experienced 4 or more sustained interruptions within the year and that year was 2029 or a prior year, or if more than 5% of customers experienced 4 or more sustained interruptions within the year and that year was 2030 or a future year, a description of all catastrophic conditions experienced during the year is also required. (Can be put on a separate page.) R 460.732 (h)(ii) and R 460.732 (h)(iii).	CEMI4 is .42% of members. April 29-30, 2025 - TEC experienced a high wind storm which caused a major outage event. 1,390 members throughout TEC's service territory were affected.

CUSTOMER CREDITS PROVIDED DURING THE YEAR

Item	Sector	Number of credits provided	Total Customer Credits ($) (1)
Customer Credits Provided for Failure to Restore Service within 96 Hours of the Start of Sustained Interruption during Catastrophic Conditions R460.732(i)	***Residential***	Exempt per Order U-21414	
	Commercial		
	Industrial		
Customer Credits Provided for Failure to Restore Service within 48 Hours of the Start of Sustained Interruption during Gray Sky Conditions R460.732(j)	***Residential***		
	Commercial		
	Industrial		
Customer Credits Provided for Failure to Restore Service within 16 Hours of the Start of Sustained Interruption during Normal Conditions R460.732(k)	***Residential***		
	Commercial		
	Industrial		
Customer Credits Provided to Individual Customers Who Experienced 6 or more Sustained Interruptions. R460.732(l)	***Residential***		
	Commercial		

WORST PERFORMING CIRCUITS DURING THE YEAR

1. For each electric utility with 1,000,000 or more customers, a list of its 10 worst performing circuits for the prior year in terms of SAIDI and SAIFI. For each listed circuit, provide the following information below. R460.732(m) and R 460.732 (o). Please see the definition of "circuit" below in (8).

2. For each electric utility or cooperative with less than 1,000,000 customers, a list of the worst performing 1% of circuits for the prior year in terms of SAIDI and SAIFI. For each listed circuit, provide the following information below. R460.732(n) and R 460.732 (o). Please see the definition of "circuit" below in (8).

Worst performing circuit(s) by SAIDI excluding major event days (MEDs) (7), (8), (11)

	Circuit 1	Circuit 2	Circuit 3	Circuit 4	Circuit 5	Circuit 6	Circuit 7	Circuit 8	Circuit 9	Circuit 10
Circuit Name	**Kingston Ckt 2**	**1% of circuits is <1 circuit**								
Circuit Number	**2**									
Location of Circuit - zip codes (2)	48741, 48729									
Circuit Length (miles)	**71**									
SAIDI excluding MEDs	353.565									
SAIFI excluding MEDs	1.286									
SAIDI all conditions	353.565									
SAIFI all conditions	1.286									
Number of Customers Served	686									
Substation Name	Kingston									
Last Circuit Trim (year) (3)	2019									
List of Outages and Causes (can be put on a separate page) (4)	No major interruptions									
Corrective action to improve performance (can be put on a separate page)	Tree Trimming circuit this year. Several miles of distribution line are scheduled for rebuild, with portions converted to underground. Problematic OCRS were replaced in 2025.									

Worst performing circuit(s) by SAIFI excluding MEDs (7), (8), (11)

	Circuit 1	Circuit 2	Circuit 3	Circuit 4	Circuit 5	Circuit 6	Circuit 7	Circuit 8	Circuit 9	Circuit 10
Circuit Name	**Vassar Ckt 3**	**1% of circuits is <1 circuit**								
Circuit Number	**3**									
Location of Circuit - zip codes (2)	48744, 48768, 48723									
Circuit Length (miles)	53									
SAIFI excluding MEDs	1.647									
SAIDI excluding MEDs	292.91									
SAIFI all conditions	1.647									
SAIDI all conditions	292.91									
Number of Customers Served	646									
Substation Name	Vassar									
Last Circuit Trim (year) (3)	2021									
List of Outages and Causes (can be put on a separate page) (4)	No major interruptions									
Corrective action to improve performance (can be put on a separate page)	Review of coordination scheme on circuit will be conducted this year to improve performance.									

	CEMI0	CEMI1	CEMI2	CEMI3	CEMI4	CEMI5	CEMI6	CEMI7	CEMI8	CEMI9	CEMI10
CEMI Reporting for Indices CEMI0 through CEMI10+ R460.732(p) (5)	80.36%	19.64%	7.81%	3.21%	0.42%	0.13%	0.05%	0.00%	0.00%	0.00%	0.00%

CELID

CELID Reporting R460.732(q) (6)	**CELID8hours**	2.160%
	CELID24hours	0.010%
	CELID48hours	0%

MOMENTARY INTERRUPTIONS	
Number of Non-Residential Customers Experiencing Momentary Interruptions R460.732(r)	Temp Waiver U-21509

System-wide SAIDI, SAIFI, and CAIDI (9)

	All conditions						Excludes MEDs (11)					
	SAIDI		SAIFI		CAIDI		SAIDI		SAIFI		CAIDI	
Year	Annual	5 year average	Annual	5 year average	Annual	5 year average	Annual	5 year average	Annual	5 year average	Annual	5 year average
2025	149.931	223.506	0.866	1.068	173.213	204.347	132.115	177.434	0.738	0.953	178.996	183.334
2024	294.832	253.599	1.337	1.206	220.464	208.369	263.107	190.905	1.224	1.069	214.91	177.704
2023	122.582	304.375	0.666	1.343	184.5	218.391	122.582	192.089	0.666	1.113	184.05	171.998
2022	240.933	374.809	1.18	1.519	204.26	243.169	240.933	210.863	1.18	1.222	204.26	171.023
2021	309.254	521.801	1.292	1.679	239.296	300.785	128.431	197.686	0.955	1.195	134.456	163.633

Power Quality information (10)

Power quality information shall contain data on: **a) all power quality investigations conducted in the past year for industrial customers who have requested a power quality investigation as a result of an event originating from utility equipment; and** **b) power quality investigations conducted in the past year into any power quality event. For purposes of this form, a power quality event is defined as an event that affected customers on a single circuit or substation; resulted in damage to customer appliances, equipment, or wiring; and occurred within a 24-hour period. (Can be put on a separate page or pages.)**	a) No power quality investigations requested by industrial members. b) Individual member concerns over power quality are investigated promptly and the proper operation of utility equipment is verified. TEC had no residential power quality investigations..

DEFINITIONS AND NOTES

(1)	"Total customer credits" means the dollar amount of customer credits provided on customer bills during the year.
(2)	"Location of Circuit - zip codes" refers to the zip codes where spans of the circuit are located.
(3)	"Last circuit trim (year)" is the last year there was trimming on the circuit as part of a normal tree trim cycle (not reactive trimming)
(4)	"List of outages and causes" - please discuss outages that meet the definition of a "major interrupton" as defined by R 460.3102(j)
(5)	For CEMI0 through CEMI10+ reporting, please provide percentages. Reporting should be all conditions.
(6)	For CELID reporting, please provide percentages. Reporting should be all conditions and follow the definition of CELID Single Interruption Duration per IEEE 1366-2022 section 4.2.8. Do not double count multiple outages of that fall within the same time bracket. For example, a customer experiencing two nine-hour outages should only be reported once in CELID8hrs. Longer outages may qualify for inclusion in multiple CELID metrics. For example, a customer experiencing a 30-hour outage may be reported in CELID8hrs and CELID24hrs.
(7)	For the worst performing circuits sections, SAIDI and SAIFI should be calculated on a system basis. Worst performing circuits operated by utilities and cooperatives with less 1,000,000 customers should not be compared to worst performing circuits that are operated by utilities with 1,000,000 or more customers.
(8)	For the worst performing circuits sections, a circuit is defined as a substation feeder or line exit from a substation serving at least 10 metered customers.
(9)	The system-wide SAIDI, SAIFI, and CAIDI data is requested pursuant to MCL 460.55 and the July 7, 2023 order in Case No. U-12270.
(10)	Power quality information is being requested pursuant to the July 7, 2023 order in Case No. U-12270.
(11)	Major event day, or MED, is defined according to IEEE 1366-2022.
*	A customer shall be defined as a "metered electric service."
**	Interruptions that occur as a result of outages on customer-owned facilities, or loss of supply from another utility, should not be included in IEEE reliability index calculations.