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March 31, 2020

Ms. Renee J. Jenkins
Director, Administration Department
Secretary to the Commission
Docketing Division
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, Ohio 43215-3793

**Re: *In the Matter of the FirstEnergy Companies Report Filed Pursuant to
Rule 10 of the Electric Service and Safety Standards, Ohio
Administrative Code 4901:1-10-10
Case No. 20-993-EL-ESS***

Dear Ms. Jenkins:

Enclosed for filing please find the FirstEnergy Companies' Annual Report in the above referenced proceeding filed pursuant to Rule 10 of the Electric Service and Safety Standards, Ohio Administrative Code 4901:1-10-10.

Thank you for your assistance in this matter. Please contact me if you have any questions concerning this matter.

Respectfully,

A handwritten signature in black ink, appearing to read "Robert M. Endris". The signature is fluid and cursive, with a long horizontal stroke at the end.

Robert M. Endris

Enc.

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the matter of the Annual Report of	)	
Electric Distribution System Reliability	)	Case No: 20-993-EL-ESS
Pursuant to Rule 4901:1-10(C)	)	

Pursuant to Rule 4901:1-10(C) of the Ohio Administrative Code,
The Ohio Edison Company
herby submits the attached annual report for the year 2019.

I certify that the following report accurately and completely reflects the annual report requirements pursuant to Rule 4901:1-10 of the Ohio Administrative Code.

Edward L. Shuttleworth (signature on file)

Signature

Edward L. Shuttleworth

Printed Name

President, Ohio Edison

Title

March 25, 2020

Date

The Ohio Edison Company
Rule 10 Report for 2019

1. 4901:1-10-10(C)(1): CAIDI (Customer Average Interruption Duration Index)

<u>Performance Standard</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>
114.37	116.64	176.29

2. 4901:1-10-10(C)(1): SAIFI (System Average Interruption Frequency Index)

<u>Performance Standard</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>
1.11	0.90	1.50

3. 4901:1-10-10(C)(1): Supporting Data

Customers	CI	CI	CMI	CMI
<u>Served</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>
1,042,023	936,491	1,564,608	109,231,577	275,771,503

Notes:

CI = Customer Interruptions

CMI = Customer Minutes Interrupted

The Ohio Edison Company
Rule 10 Report for 2019

4. 4901:1-10-10(C)(2): Major Event Outages

Date	Description	CI	CMI	CAIDI	SAIFI
02/24/2019	High Winds	166,250	77,184,804	464.27	0.16
02/25/2019	High Winds	12,403	3,963,644	319.57	0.01
04/14/2019	Thunderstorms	34,913	18,505,026	530.03	0.03
07/11/2019	Thunderstorms	14,874	5,107,988	343.42	0.01
08/18/2019	Thunderstorms	44,326	20,512,673	462.77	0.04
10/31/2019	High Winds	31,743	4,760,927	149.98	0.03
11/27/2019	High Winds	40,310	7,961,818	197.51	0.04
12/30/2019	Thunderstorms	37,316	12,102,623	324.33	0.04
Totals:		382,135	150,099,503		

Notes:

**The Ohio Edison Company
Rule 10 Report for 2019**

5a. 4901:1-10-10(C)(2): Transmission Outages

Outage Start Date	Transmission Circuit Impacted	Outage Start Time	Circuit kV	Outage Cause	Outage Length (minutes)
1/1/2019	2217	12:31 AM	69	Conductor Failure	5,255
1/1/2019	2022	1:05 AM	138	Guy Wire	875
1/1/2019	2225	1:08 AM	69	Fall-ins (outside ROW) (not due to Nat Dis or Human Error)	3,939
1/20/2019	2331	3:49 PM	69	Fall-ins (outside ROW) (not due to Nat Dis or Human Error)	724
2/7/2019	3122-2	10:11 AM	69	Human Error	15
2/7/2019	2418	3:26 PM	69	Wind	1
2/7/2019	2410	4:39 PM	69	Failed AC Circuit Equipment	80
2/8/2019	2324	7:36 AM	69	Insulator Failure	749
2/24/2019	2434	9:44 AM	69	Weather, excluding lightning	201
2/24/2019	2419	6:31 PM	69	Failed AC Circuit Equipment	1,241
2/24/2019	2315	8:24 PM	69	Weather, excluding lightning	4,026
2/24/2019	2209	8:59 PM	69	Weather, excluding lightning	921
3/5/2019	2023	2:47 AM	138	Hardware	838
3/11/2019	2434	5:22 PM	69	Fall-ins (outside ROW) (not due to Nat Dis or Human Error)	2,714
3/12/2019	2415-2	10:03 AM	69	Failed AC Circuit Equipment	504
3/17/2019	2429	5:40 PM	69	Airplane	6,981
3/20/2019	2314	8:33 PM	69	Insulator Failure	819
3/20/2019	2201-1	9:53 PM	69	Fall-ins (outside ROW) (not due to Nat Dis or Human Error)	1,259
3/22/2019	2215	6:01 PM	69	Fall-ins (outside ROW) (not due to Nat Dis or Human Error)	239
4/14/2019	2001-2	5:27 PM	138	Weather induced fall-in (outside ROW)	1,158
4/19/2019	2022	4:57 PM	138	Switch Flashover, Switch Failure	395
5/4/2019	2412	3:58 PM	69	Unknown After Exhaustive Patrol or Investigation	23
5/6/2019	2422	8:26 AM	69	Insulator Failure	434
5/19/2019	2424	11:11 AM	69	Insulator Failure	68
5/22/2019	2310	1:15 PM	69	Relay Design Incorrect (Human Error - Eng)	13
5/22/2019	2307	1:15 PM	69	Relay Design Incorrect (Human Error - Eng)	15
5/24/2019	2426-1	1:37 PM	69	Failed AC Circuit Equipment	1
5/26/2019	2429	7:23 AM	69	Wind	4,671
5/26/2019	2324	9:54 AM	69	Cross Arm Brace Failure	3,106
6/2/2019		5:24 AM	23	Loss of Supply	633
6/2/2019	2006	5:24 AM	138	Failed AC Substation Equipment	578

**The Ohio Edison Company
Rule 10 Report for 2019**

5a. 4901:1-10-10(C)(2): Transmission Outages

Outage Start Date	Transmission Circuit Impacted	Outage Start Time	Circuit kV	Outage Cause	Outage Length (minutes)
6/16/2019	2231-1	4:58 PM	69	Weather, excluding lightning	1,715
6/16/2019	2000	4:59 PM	69	Weather, excluding lightning	2,405
7/2/2019	3122-2	4:07 PM	69	Weather induced fall-in (outside ROW)	1,210
7/18/2019	2429	5:21 PM	69	Wind	17,396
8/6/2019	3221	2:56 PM	69	Failed AC Circuit Equipment	4,082
8/8/2019	2403	6:30 PM	69	Weather induced fall-in (outside ROW)	191
8/8/2019	2109-2	6:30 PM	138	Weather induced fall-in (outside ROW)	1,595
9/12/2019	2335	12:19 AM	69	Static Wire	10
9/28/2019	2213	5:55 PM	69	Cross Arm Brace Failure	205
10/3/2019	2305	6:30 AM	69	Insulator Failure	2,087
10/3/2019	2409-1	1:03 PM	69	Fall-ins (outside ROW) (not due to Nat Dis or Human Error)	269
10/4/2019	2426-1	1:06 PM	69	Human Error During Maintenance	82
10/30/2019	2208-1	9:41 AM	69	Logging Activities	1,457
11/13/2019	2213	7:30 PM	69	Emergency Forced	18
12/17/2019	2429	3:49 AM	69	Galloping Conductors	14
12/20/2019	2313-2	10:39 AM	69	Insulator Failure	371
12/29/2019	3201	7:44 AM	69	Insulator Failure	0
12/29/2019	2112	11:34 AM	138	Insulator Failure	496
12/30/2019	3122-1	5:45 AM	69	Wind	728
12/30/2019	3140	5:52 AM	69	Wind	3,593

Notes:

**The Ohio Edison Company
Rule 10 Report for 2019**

5b. 4901:1-10-10(C)(2): Distribution Circuits Impacted by Transmission Outages

Outage Start Date	CI per Outage	CMI per Outage	# of Impacted Circuits	IDs for Impacted Circuits	CI per Circuit	CMI per Circuit
1/1/2019	2,131	85,240	2	208440014	1,137	45,480
1/1/2019	2,131	85,240	2	208440007	994	39,760
1/1/2019	4,827	439,257	3	208010016	2,217	201,747
1/1/2019	4,827	439,257	3	208010025	599	54,509
1/1/2019	4,827	439,257	3	208010044	2,011	183,001
1/1/2019	5,077	1,594,842	4	201500055	1,515	527,220
1/1/2019	5,077	1,594,842	4	201500052	1,465	509,820
1/1/2019	5,077	1,594,842	4	201680015	1,116	296,856
1/1/2019	5,077	1,594,842	4	201680021	981	260,946
1/20/2019	5,174	39,014	4	200230007	443	3,987
1/20/2019	5,174	39,014	4	200230013	955	8,595
1/20/2019	5,174	39,014	4	200520014	1,346	9,422
1/20/2019	5,174	39,014	4	200520026	2,430	17,010
2/7/2019	7,310	109,650	5	205310057	2,291	34,365
2/7/2019	7,310	109,650	5	205310018	1,348	20,220
2/7/2019	7,310	109,650	5	205310039	1,392	20,880
2/7/2019	7,310	109,650	5	205310030	629	9,435
2/7/2019	7,310	109,650	5	205310048	1,650	24,750
2/7/2019	1,131	87,087	3	202010014	201	15,477
2/7/2019	1,131	87,087	3	202010023	902	69,454
2/7/2019	1,131	87,087	3	202010033	28	2,156
2/7/2019	6,717	779,172	6	202200126	1,335	154,860
2/7/2019	6,717	779,172	6	202070049	943	109,388
2/7/2019	6,717	779,172	6	202070063	844	97,904
2/7/2019	6,717	779,172	6	202200159	1,525	176,900
2/7/2019	6,717	779,172	6	202200117	892	103,472
2/7/2019	6,717	779,172	6	202200150	1,178	136,648
2/8/2019	7,232	43,392	6	200430014	1,050	6,300
2/8/2019	7,232	43,392	6	200430097	1,642	9,852
2/8/2019	7,232	43,392	6	200430011	1,525	9,150
2/8/2019	7,232	43,392	6	200430017	1,113	6,678
2/8/2019	7,232	43,392	6	200430020	1,143	6,858
2/8/2019	7,232	43,392	6	200430105	759	4,554
2/24/2019	2,652	344,814	2	200200018	870	73,950
2/24/2019	2,652	344,814	2	200200034	1,782	270,864
2/24/2019	3,062	116,115	4	202360056	1,534	26,078
2/24/2019	3,062	116,115	4	202360027	165	2,805
2/24/2019	3,062	116,115	4	202260002	690	44,160
2/24/2019	3,062	116,115	4	202260003	673	43,072

**The Ohio Edison Company
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5b. 4901:1-10-10(C)(2): Distribution Circuits Impacted by Transmission Outages

Outage Start Date	CI per Outage	CMI per Outage	# of Impacted Circuits	IDs for Impacted Circuits	CI per Circuit	CMI per Circuit
2/24/2019	11,604	118,672	7	200640060	1,316	14,476
2/24/2019	11,604	118,672	7	200640009	1,468	16,148
2/24/2019	11,604	118,672	7	200490028	2,139	19,251
2/24/2019	11,604	118,672	7	200490025	1,124	10,116
2/24/2019	11,604	118,672	7	200490056	1,223	11,007
2/24/2019	11,604	118,672	7	200640038	2,692	29,612
2/24/2019	11,604	118,672	7	200640044	1,642	18,062
2/24/2019	1,379	81,361	2	201840013	779	45,961
2/24/2019	1,379	81,361	2	201840014	600	35,400
3/5/2019	4,497	287,808	3	208390049	2,164	138,496
3/5/2019	4,497	287,808	3	208390025	1,092	69,888
3/5/2019	4,497	287,808	3	208390034	1,241	79,424
3/11/2019	1,782	19,602	1	200200034	1,782	19,602
3/12/2019	4,274	162,412	3	206740033	1,321	50,198
3/12/2019	4,274	162,412	3	206740022	1,580	60,040
3/12/2019	4,274	162,412	3	206740009	1,373	52,174
3/17/2019	3,001	375,431	4	206120056	1,031	128,875
3/17/2019	3,001	375,431	4	206120006	1,217	152,125
3/17/2019	3,001	375,431	4	206120014	702	87,750
3/17/2019	3,001	375,431	4	202270020	51	6,681
3/20/2019	6,269	131,649	4	200470065	352	7,392
3/20/2019	6,269	131,649	4	200470010	1,346	28,266
3/20/2019	6,269	131,649	4	200470073	2,289	48,069
3/20/2019	6,269	131,649	4	200470013	2,282	47,922
3/20/2019	6,390	134,190	4	201120014	978	20,538
3/20/2019	6,390	134,190	4	201120015	691	14,511
3/20/2019	6,390	134,190	4	201120053	3,543	74,403
3/20/2019	6,390	134,190	4	201120013	1,178	24,738
3/22/2019	5,866	931,116	5	201660007	1,938	120,156
3/22/2019	5,866	931,116	5	201560013	446	120,420
3/22/2019	5,866	931,116	5	201660004	1,200	74,400
3/22/2019	5,866	931,116	5	201560012	1,102	297,540
3/22/2019	5,866	931,116	5	201560014	1,180	318,600
4/14/2019	3,132	60,664	2	210680013	1,855	38,955
4/14/2019	3,132	60,664	2	210680014	1,277	21,709
4/19/2019	4,836	1,015,821	3	208010025	595	118,405
4/19/2019	4,836	1,015,821	3	208010044	2,006	302,906
4/19/2019	4,836	1,015,821	3	208010016	2,235	594,510
5/4/2019	5,610	129,030	4	202180004	1,067	24,541

**The Ohio Edison Company
Rule 10 Report for 2019**

5b. 4901:1-10-10(C)(2): Distribution Circuits Impacted by Transmission Outages

Outage Start Date	CI per Outage	CMI per Outage	# of Impacted Circuits	IDs for Impacted Circuits	CI per Circuit	CMI per Circuit
5/4/2019	5,610	129,030	4	202120012	1,857	42,711
5/4/2019	5,610	129,030	4	202180019	1,894	43,562
5/4/2019	5,610	129,030	4	202120022	792	18,216
5/6/2019	3,919	166,478	6	207150017	720	20,160
5/6/2019	3,919	166,478	6	207150026	580	16,240
5/6/2019	3,919	166,478	6	207100040	335	20,770
5/6/2019	3,919	166,478	6	207100003	698	43,276
5/6/2019	3,919	166,478	6	207100002	636	39,432
5/6/2019	3,919	166,478	6	207150035	950	26,600
5/19/2019	4,334	291,245	3	206520010	1,421	96,628
5/19/2019	4,334	291,245	3	206520019	2,359	158,053
5/19/2019	4,334	291,245	3	206520028	554	36,564
5/22/2019	4,582	54,984	6	200760094	634	7,608
5/22/2019	4,582	54,984	6	200760065	72	864
5/22/2019	4,582	54,984	6	200760009	432	5,184
5/22/2019	4,582	54,984	6	200760053	1,424	17,088
5/22/2019	4,582	54,984	6	200760004	2,010	24,120
5/22/2019	4,582	54,984	6	200760083	10	120
5/22/2019	10,503	128,853	8	210290020	98	1,470
5/22/2019	10,503	128,853	8	210290028	666	9,990
5/22/2019	939	14,085	3	210290028	1,754	21,048
5/22/2019	2,693	35,133	4	210290028	3,260	39,120
5/22/2019	5,953	74,253	5	210290028	1,695	20,340
5/22/2019	7,648	94,593	6	210290028	418	5,016
5/22/2019	8,066	99,609	7	210290028	2,437	29,244
5/22/2019	10,503	128,853	8	210290036	175	2,625
5/24/2019	2,508	188,100	2	206710012	1,313	98,475
5/24/2019	2,508	188,100	2	206710015	1,195	89,625
5/26/2019	2,944	303,232	3	206120014	699	71,997
5/26/2019	2,944	303,232	3	206120006	1,213	124,939
5/26/2019	2,944	303,232	3	206120056	1,032	106,296
5/26/2019	16,554	142,089	10	200650102	1,988	13,916
5/26/2019	16,554	142,089	10	200430097	1,639	16,390
5/26/2019	16,554	142,089	10	200430105	756	7,560
5/26/2019	16,554	142,089	10	200430011	3,045	30,450
5/26/2019	16,554	142,089	10	200430017	1,109	11,090
5/26/2019	16,554	142,089	10	200430014	1,045	10,450
5/26/2019	16,554	142,089	10	200650149	1,809	12,663
5/26/2019	16,554	142,089	10	200650105	1,676	11,732

**The Ohio Edison Company
Rule 10 Report for 2019**

5b. 4901:1-10-10(C)(2): Distribution Circuits Impacted by Transmission Outages

Outage Start Date	CI per Outage	CMI per Outage	# of Impacted Circuits	IDs for Impacted Circuits	CI per Circuit	CMI per Circuit
5/26/2019	16,554	142,089	10	200650133	2,344	16,408
5/26/2019	16,554	142,089	10	200430020	1,143	11,430
6/2/2019	857	99,412	1	201480007	857	99,412
6/2/2019	8,915	614,718	13	201780004	1,303	27,363
6/2/2019	8,915	614,718	13	201550028	635	65,405
6/2/2019	8,915	614,718	13	201550026	81	8,343
6/2/2019	8,915	614,718	13	201550197	95	9,785
6/2/2019	8,915	614,718	13	201170005	397	8,337
6/2/2019	8,915	614,718	13	201170001	951	19,971
6/2/2019	8,915	614,718	13	201780005	1,193	25,053
6/2/2019	8,915	614,718	13	201550200	70	7,210
6/2/2019	8,915	614,718	13	201540013	620	58,900
6/2/2019	8,915	614,718	13	201650134	2,736	300,960
6/2/2019	8,915	614,718	13	201650362	271	29,810
6/2/2019	8,915	614,718	13	201540022	551	52,345
6/2/2019	8,915	614,718	13	201550040	12	1,236
6/16/2019	7,791	592,116	7	201560012	1,105	83,980
6/16/2019	7,791	592,116	7	201660007	1,945	147,820
6/16/2019	7,791	592,116	7	201660004	1,199	91,124
6/16/2019	7,791	592,116	7	201260001	684	51,984
6/16/2019	7,791	592,116	7	201260004	1,236	93,936
6/16/2019	7,791	592,116	7	201560014	1,175	89,300
6/16/2019	7,791	592,116	7	201560013	447	33,972
6/16/2019	11,774	992,834	13	201730002	1,202	102,170
6/16/2019	11,774	992,834	13	201730015	1,485	126,225
6/16/2019	11,774	992,834	13	201340001	56	4,760
6/16/2019	11,774	992,834	13	201060028	901	76,585
6/16/2019	11,774	992,834	13	210670013	3	255
6/16/2019	11,774	992,834	13	201320015	1,214	103,190
6/16/2019	11,774	992,834	13	201060014	942	80,070
6/16/2019	11,774	992,834	13	201320024	351	29,835
6/16/2019	11,774	992,834	13	201620013	1,639	137,676
6/16/2019	11,774	992,834	13	201620072	1,645	138,180
6/16/2019	11,774	992,834	13	201620050	531	44,073
6/16/2019	11,774	992,834	13	201620059	623	51,709
6/16/2019	11,774	992,834	13	201620006	1,182	98,106
7/2/2019	774	29,412	2	210860013	623	23,674
7/2/2019	774	29,412	2	210860014	151	5,738
7/18/2019	1,192	107,280	2	202270011	655	58,950

**The Ohio Edison Company
Rule 10 Report for 2019**

5b. 4901:1-10-10(C)(2): Distribution Circuits Impacted by Transmission Outages

Outage Start Date	CI per Outage	CMI per Outage	# of Impacted Circuits	IDs for Impacted Circuits	CI per Circuit	CMI per Circuit
7/18/2019	1,192	107,280	2	202270020	537	48,330
8/6/2019	2,621	111,233	3	204240017	1,151	49,493
8/6/2019	2,621	111,233	3	204240036	716	30,072
8/6/2019	2,621	111,233	3	204240027	754	31,668
8/8/2019	5,718	274,386	4	202250054	1,282	55,126
8/8/2019	5,718	274,386	4	202250003	1,448	62,264
8/8/2019	5,718	274,386	4	202250064	2,100	119,700
8/8/2019	5,718	274,386	4	202250002	888	37,296
8/8/2019	5,262	287,753	5	206000013	1,274	147,784
8/8/2019	5,262	287,753	5	206140009	1,296	29,808
8/8/2019	5,262	287,753	5	206140008	1,251	28,773
8/8/2019	5,262	287,753	5	206140044	895	19,690
8/8/2019	5,262	287,753	5	206000014	546	61,698
9/12/2019	3,119	31,190	2	204660401	1,302	13,020
9/12/2019	3,119	31,190	2	204660403	1,817	18,170
9/28/2019	3,675	588,111	6	201080024	598	122,590
9/28/2019	3,675	588,111	6	201080051	1,384	283,720
9/28/2019	3,675	588,111	6	201080048	476	97,580
9/28/2019	3,675	588,111	6	201250010	625	18,125
9/28/2019	3,675	588,111	6	201250002	314	9,106
9/28/2019	3,675	588,111	6	201080023	278	56,990
10/3/2019	2,779	547,681	4	204040013	1,162	177,786
10/3/2019	2,779	547,681	4	204040014	10	4,450
10/3/2019	2,779	547,681	4	204040014	267	100,125
10/3/2019	2,779	547,681	4	204040014	1,340	265,320
10/3/2019	2,119	599,677	2	202190005	1,034	292,622
10/3/2019	2,119	599,677	2	202190020	1,085	307,055
10/4/2019	2,510	150,600	2	206710012	1,315	78,900
10/4/2019	2,510	150,600	2	206710015	1,195	71,700
10/30/2019	9,774	196,157	8	201750072	2,233	15,631
10/30/2019	9,774	196,157	8	201750050	1,979	13,853
10/30/2019	9,774	196,157	8	201750005	911	6,377
10/30/2019	9,774	196,157	8	201740003	1,392	43,152
10/30/2019	9,774	196,157	8	201150016	906	44,394
10/30/2019	9,774	196,157	8	201150001	893	42,864
10/30/2019	9,774	196,157	8	201150017	503	24,144
10/30/2019	9,774	196,157	8	201750007	957	5,742
11/13/2019	1,738	31,284	2	201070109	889	16,002
11/13/2019	1,738	31,284	2	201070032	849	15,282

**The Ohio Edison Company
Rule 10 Report for 2019**

5b. 4901:1-10-10(C)(2): Distribution Circuits Impacted by Transmission Outages

Outage Start Date	CI per Outage	CMI per Outage	# of Impacted Circuits	IDs for Impacted Circuits	CI per Circuit	CMI per Circuit
12/17/2019	1,203	16,842	2	202270011	662	9,268
12/17/2019	1,203	16,842	2	202270020	541	7,574
12/20/2019	640	13,440	2	203590006	437	9,177
12/20/2019	640	13,440	2	203590052	203	4,263
12/29/2019	2,896	260,640	2	204590410	1,518	136,620
12/29/2019	2,896	260,640	2	204590407	1,378	124,020
12/29/2019	2,280	136,800	2	210620014	1,240	74,400
12/29/2019	2,280	136,800	2	210620013	1,040	62,400
12/30/2019	2,236	30,382	2	205320016	1,775	24,850
12/30/2019	2,236	30,382	2	205320029	461	5,532
12/30/2019	16,812	2,367,155	17	204560004	95	53,865
12/30/2019	16,812	2,367,155	17	205190019	1,828	32,904
12/30/2019	16,812	2,367,155	17	204280025	1,608	390,744
12/30/2019	16,812	2,367,155	17	205110017	1,803	37,863
12/30/2019	16,812	2,367,155	17	204560004	4	2,564
12/30/2019	16,812	2,367,155	17	204560004	1,303	359,628
12/30/2019	16,812	2,367,155	17	205540016	989	20,769
12/30/2019	16,812	2,367,155	17	205540013	1,583	33,243
12/30/2019	16,812	2,367,155	17	204280016	1,500	31,500
12/30/2019	16,812	2,367,155	17	204560004	117	27,963
12/30/2019	16,812	2,367,155	17	204280025	263	496,807
12/30/2019	16,812	2,367,155	17	204280025	89	174,084
12/30/2019	16,812	2,367,155	17	204280025	11	22,594
12/30/2019	16,812	2,367,155	17	205110061	799	15,980
12/30/2019	16,812	2,367,155	17	205190028	1,848	31,416
12/30/2019	16,812	2,367,155	17	205110017	1,803	613,020
12/30/2019	16,812	2,367,155	17	205110051	1,169	22,211

**The Ohio Edison Company
Rule 10 Report for 2019**

5.c. 4901:1-10-10(C)(2): Index Values During Transmission Outages

Outage Start Date	CAIDI During Outage	SAIFI During Outage
1/1/2019	40.00	0.0020
1/1/2019	91.00	0.0046
1/1/2019	314.13	0.0049
1/20/2019	7.54	0.0050
2/7/2019	15.00	0.0070
2/7/2019	77.00	0.0011
2/7/2019	116.00	0.0064
2/8/2019	6.00	0.0069
2/24/2019	130.02	0.0025
2/24/2019	37.92	0.0029
2/24/2019	10.23	0.0111
2/24/2019	59.00	0.0013
3/5/2019	64.00	0.0043
3/11/2019	11.00	0.0017
3/12/2019	38.00	0.0041
3/17/2019	125.10	0.0029
3/20/2019	21.00	0.0060
3/20/2019	21.00	0.0061
3/22/2019	158.73	0.0056
4/14/2019	19.37	0.0030
4/19/2019	210.05	0.0046
5/4/2019	23.00	0.0054
5/6/2019	42.48	0.0038
5/19/2019	67.20	0.0042
5/22/2019	12.00	0.0044
5/22/2019	12.27	0.0101
5/24/2019	75.00	0.0024
5/26/2019	103.00	0.0028
5/26/2019	8.58	0.0159
6/2/2019	116.00	0.0008
6/2/2019	68.95	0.0086
6/16/2019	76.00	0.0075
6/16/2019	84.32	0.0113
7/2/2019	38.00	0.0007
7/18/2019	90.00	0.0011
8/6/2019	42.44	0.0025
8/8/2019	47.99	0.0055
8/8/2019	54.69	0.0050
9/12/2019	10.00	0.0030
9/28/2019	160.03	0.0035
10/3/2019	197.08	0.0027
10/3/2019	283.00	0.0020

**The Ohio Edison Company
Rule 10 Report for 2019**

5.c. 4901:1-10-10(C)(2): Index Values During Transmission Outages

Outage Start Date	CAIDI During Outage	SAIFI During Outage
10/4/2019	60.00	0.0024
10/30/2019	20.07	0.0094
11/13/2019	18.00	0.0017
12/17/2019	14.00	0.0012
12/20/2019	21.00	0.0006
12/29/2019	90.00	0.0028
12/29/2019	60.00	0.0022
12/30/2019	13.59	0.0021
12/30/2019	140.80	0.0161

Notes:

The Ohio Edison Company
Rule 10 Report for 2019

6a. 4901:1-10-10(C)(3)(a): Data Excluding Major Events and Transmission Outages

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	3,400	130,855	12,485,148
Bird	1,376	28,420	2,428,888
Call Error	1	1	70
Contamination	1	1	438
Customer Equipment	49	1,022	182,925
Equipment Failure	2,246	159,868	18,144,877
Fire	21	1,350	130,173
Forced Outage	464	40,140	1,675,618
Human Error - Company	34	3,211	122,906
Human Error -Non-Company	113	25,168	1,646,908
Ice	1	1	213
Lightning	627	36,855	4,071,512
Line Failure	1,730	93,820	12,348,053
Object Contact With Line	34	7,175	631,180
Other Electric Utility	4	775	112,899
Other Utility-Non Elec	15	532	77,217
Overload	127	12,057	1,008,339
Planned Outage	545	9,756	1,122,679
Previous Lightning	101	1,142	111,005
Switching Error	4	1,127	41,394
Trees - Sec/Service	735	3,551	937,075
Trees Off Row-Limb	705	65,635	6,069,882
Trees Off Row-Tree	2,019	167,130	29,407,652
Trees On Row	39	800	109,205
Ug Dig-Up	60	2,064	277,426
Unknown	621	38,800	3,297,357
Vandalism	12	12	1,110
Vehicle	585	105,193	12,779,894
Wind	7	30	9,534
Totals:	15,676	936,491	109,231,577

Notes:

The Ohio Edison Company
Rule 10 Report for 2019

6b. 4901:1-10-10(C)(3)(b): Data for Major Events Only

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	40	1,464	119,932
Bird	16	144	9,129
Call Error	1	1	91
Customer Equipment	4	1,190	306,833
Equipment Failure	313	32,063	11,322,767
Forced Outage	18	7,590	1,354,529
Human Error - Company	2	126	18,516
Human Error -Non-Company	2	3	740
Lightning	99	3,703	1,033,828
Line Failure	669	81,702	25,175,922
Object Contact With Line	17	8,267	3,253,576
Overload	2	17	2,237
Planned Outage	3	3,629	36,597
Previous Lightning	3	28	12,392
Trees - Sec/Service	459	2,157	2,142,156
Trees Off Row-Limb	252	26,911	7,739,729
Trees Off Row-Tree	1,779	194,269	89,430,390
Trees On Row	22	2,719	1,669,230
Ug Dig-Up	1	51	13,314
Unknown	52	14,767	5,547,923
Vandalism	1	1	246
Vehicle	12	1,024	721,960
Wind	9	309	187,466
	3,776	382,135	150,099,503

Notes:

**The Ohio Edison Company
Rule 10 Report for 2019**

6c. 4901:1-10-10(C)(3)(c): Data for Transmission Outages Only

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Customer Equipment	14	9,772	714,130
Equipment Failure	77	93,688	7,010,500
Forced Outage	2	1,738	31,284
Human Error - Company	9	12,328	448,350
Human Error -Non-Company	21	22,626	364,363
Line Failure	32	34,725	2,547,826
Object Contact With Line	1	1,519	444,020
Trees Off Row-Limb	8	10,085	542,449
Trees Off Row-Tree	26	31,016	3,506,487
Unknown	20	25,484	455,583
Vehicle	4	3,001	375,431
Totals:	214	245,982	16,440,423

Notes:

**The Ohio Edison Company
Rule 10 Report for 2019**

7. 4901:1-10-10(C)(4): Momentary Interruptions

Total Number = 98

Notes:

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the matter of the Annual Report of	)	
Electric Distribution System Reliability	)	Case No: 20-993-EL-ESS
Pursuant to Rule 4901:1-10(C)	)	

Pursuant to Rule 4901:1-10(C) of the Ohio Administrative Code,
The Cleveland Electric Illuminating Company
herby submits the attached annual report for the year 2019.

I certify that the following report accurately and completely reflects the annual report requirements pursuant to Rule 4901:1-10 of the Ohio Administrative Code.

Mark A. Jones
Signature

Mark A. Jones
Printed Name

Regional President
Title

3/24/2020
Date

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2019**

1. 4901:1-10-10(C)(1): CAIDI (Customer Average Interruption Duration Index)

<u>Performance Standard</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>
135.00	125.74	243.87

2. 4901:1-10-10(C)(1): SAIFI (System Average Interruption Frequency Index)

<u>Performance Standard</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>
1.30	0.90	1.50

3. 4901:1-10-10(C)(1): Supporting Data

Customers	CI	CI	CMI	CMI
<u>Served</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>
731,209	659,602	1,096,678	82,941,474	267,445,126

Notes:

CI = Customer Interruptions

CMI = Customer Minutes Interrupted

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2019**

4. 4901:1-10-10(C)(2): Major Event Outages

Date	Description	CI	CMI	CAIDI	SAIFI
1/1/2019	High Winds	13,757	3,986,274	289.76	0.02
2/24/2019	High Winds	132,276	54,447,883	411.62	0.18
2/25/2019	High Winds	12,896	6,216,540	482.05	0.02
7/10/2019	Thunderstorms	37,576	3,849,754	102.45	0.05
8/18/2019	Thunderstorms	44,360	17,178,007	387.24	0.06
9/13/2019	Thunderstorms	57,809	63,634,778	1,100.78	0.08
9/14/2019	Thunderstorms	8,077	6,850,398	848.14	0.01
10/31/2019	High Winds	27,565	7,004,176	254.10	0.04
11/1/2019	High Winds	12,612	3,860,775	306.12	0.02
11/27/2019	High Winds	47,757	9,667,572	202.43	0.07
12/30/2019	High Winds	20,783	6,954,964	334.65	0.03
Totals		415,468	183,651,121		

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2019**

5a. 4901:1-10-10(C)(2): Transmission Outages

Outage Start Date	Transmission Circuit Impacted	Outage Start Time	Circuit kV	Outage Cause	Outage Length (minutes)
6/26/2019	4075	8:36 PM	138	Pot Head Failure	15,730
7/16/2019	4020	8:00 PM	138	No correlation available	1,141
8/8/2019	4044	1:25 AM	138	Failed AC Substation Equipment	4

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2019**

5b. 4901:1-10-10(C)(2): Distribution Circuits Impacted by Transmission Outages

Outage Start Date	CI per Outage	CMI per Outage	# of Impacted Circuits	IDs for Impacted Circuits	CI per Circuit	CMI per Circuit
6/26/2019	4,637	134,473	5	400510002	242	7,018
6/26/2019	4,637	134,473	5	400510001	1,032	29,928
6/26/2019	4,637	134,473	5	400510005	963	27,927
6/26/2019	4,637	134,473	5	400510003	1,389	40,281
6/26/2019	4,637	134,473	5	400510004	1,011	29,319
7/16/2019	10,293	259,437	8	400310002	1,170	10,530
7/16/2019	10,293	259,437	8	400310004	489	4,401
7/16/2019	10,293	259,437	8	400420001	1,074	35,442
7/16/2019	10,293	259,437	8	400310001	1,554	13,986
7/16/2019	10,293	259,437	8	400420004	1,363	44,979
7/16/2019	10,293	259,437	8	400310003	130	1,170
7/16/2019	10,293	259,437	8	400420003	1,815	59,895
7/16/2019	10,293	259,437	8	400420002	2,698	89,034
8/8/2019	6,636	367,101	8	400470002	1,257	47,766
8/8/2019	6,636	367,101	8	400470004	1,976	75,088
8/8/2019	6,636	367,101	8	400500002	1,111	85,547
8/8/2019	6,636	367,101	8	400500001	136	10,472
8/8/2019	6,636	367,101	8	400500004	678	52,206
8/8/2019	6,636	367,101	8	400470001	455	17,290
8/8/2019	6,636	367,101	8	400470003	1	38
8/8/2019	6,636	367,101	8	400500003	1,022	78,694

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2019**

5.c. 4901:1-10-10(C)(2): Index Values During Transmission Outages

Outage Start Date	CAIDI During Outage	SAIFI During Outage
6/26/2019	29.00	0.0063
7/16/2019	25.21	0.0141
8/8/2019	55.32	0.0091

Notes:

The Cleveland Electric Illuminating Company
Rule 10 Report for 2019

6a. 4901:1-10-10(C)(3)(a): Data Excluding Major Events and Transmission Outages

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	681	39,271	3,399,522
Bird	154	3,598	255,863
Contamination	21	74	23,591
Customer Equipment	14	56	16,638
Equipment Failure	2,046	203,923	20,774,811
Fire	30	13,753	1,118,469
Forced Outage	300	23,841	2,073,808
Human Error - Company	39	10,064	489,673
Human Error -Non-Company	33	3,266	526,496
Ice	3	16	3,009
Lightning	80	1,902	465,129
Line Failure	2,596	128,664	21,386,058
Object Contact With Line	37	8,208	950,876
Other Electric Utility	3	825	302,541
Other Utility-Non Elec	2	421	48,988
Overload	12	76	26,268
Planned Outage	276	6,838	996,141
Switching Error	6	6,262	158,195
Trees - Sec/Service	606	2,766	858,764
Trees Off Row-Limb	195	29,012	3,775,548
Trees Off Row-Tree	521	57,806	10,834,531
Trees On Row	323	17,943	4,064,008
Ug Dig-Up	76	5,482	894,163
Unknown	422	38,340	3,143,942
Vandalism	11	93	28,654
Vehicle	213	55,091	6,253,940
Wind	12	2,011	71,848
Totals:	8,712	659,602	82,941,474

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2019**

6b. 4901:1-10-10(C)(3)(b): Data for Major Events Only

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	13	390	252,157
Bird	2	5	726
Call Error	2	2	4,373
Contamination	3	21	8,193
Customer Equipment	9	337	768,313
Equipment Failure	606	94,480	32,605,581
Fire	2	66	7,278
Forced Outage	20	1,784	1,402,408
Human Error -Non-Company	16	11,695	717,182
Lightning	42	2,419	1,476,803
Line Failure	555	70,987	28,501,445
Object Contact With Line	47	19,953	1,080,434
Other Utility-Non Elec	1	2	616
Overload	2	311	63,998
Planned Outage	6	80	129,477
Previous Lightning	2	3	2,803
Trees - Sec/Service	189	2,399	5,673,254
Trees Off Row-Limb	125	25,835	11,119,561
Trees Off Row-Tree	428	60,471	38,822,383
Trees On Row	294	60,241	33,324,071
Ug Dig-Up	1	184	11,190
Unknown	145	20,389	6,986,777
Vandalism	2	32	33,315
Vehicle	10	1,187	259,314
Wind	300	42,237	20,490,989
Totals:	2,822	415,510	183,742,641

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2019**

6c. 4901:1-10-10(C)(3)(c): Data for Transmission Outages Only

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Equipment Failure	9	8,025	407,382
Lightning	8	10,293	259,437
Line Failure	4	3,248	94,192
Totals:	21	21,566	761,011

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2019**

7. 4901:1-10-10(C)(4): Momentary Interruptions

Total Number = 1,292

Notes:

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the matter of the Annual Report of	)	
Electric Distribution System Reliability	)	Case No: 19-993-EL-ESS
Pursuant to Rule 4901:1-10(C)	)	

Pursuant to Rule 4901:1-10(C) of the Ohio Administrative Code,
The Toledo Edison Company
herby submits the attached annual report for the year 2019.

I certify that the following report accurately and completely reflects the annual report requirements pursuant to Rule 4901:1-10 of the Ohio Administrative Code.


Signature

RICHARD S. SWEENEY
Printed Name

Regional President
Title

3/20/20
Date

**The Toledo Edison Company
Rule 10 Report for 2019**

1. 4901:1-10-10(C)(1): CAIDI (Customer Average Interruption Duration Index)

<u>Performance Standard</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>
112.30	106.81	159.46

2. 4901:1-10-10(C)(1): SAIFI (System Average Interruption Frequency Index)

<u>Performance Standard</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>
1.00	0.62	0.85

3. 4901:1-10-10(C)(1): Supporting Data

Customers	CI	CI	CMI	CMI
<u>Served</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>	<u>After Exclusions</u>	<u>Before Exclusions</u>
302,870	186,758	255,967	19,946,823	40,816,531

Notes:

CI = Customer Interruptions

CMI = Customer Minutes Interrupted

**The Toledo Edison Company
Rule 10 Report for 2019**

4. 4901:1-10-10(C)(2): Major Event Outages

Date	Description	CI	CMI	CAIDI	SAIFI
02/12/2019	Ice	28,886	13,644,157	472.34	0.10
02/24/2019	High Winds	13,363	2,190,298	163.91	0.04
07/02/2019	Thunderstorms	2,972	1,536,641	517.04	0.01
09/13/2019	Thunderstorms	5,879	1,673,508	284.66	0.02
Totals		51,100	19,044,604		

Notes:

**The Toledo Edison Company
Rule 10 Report for 2019**

5a. 4901:1-10-10(C)(2): Transmission Outages

Outage Start Date	Transmission Circuit Impacted	Outage Start Time	Circuit kV	Outage Cause	Outage Length (minutes)
1/28/2019	3144-1	8:25 PM	69	PT Failure	267
2/12/2019	3165	1:48 AM	138	Ice	513
6/6/2019	3015-2	10:14 PM	138	Train Derailment	9,585
7/2/2019	3135	2:22 PM	69	Down Ground	91
11/11/2019	3130	12:22 PM	69	Gallop ing Conductors	704

Notes:

**The Toledo Edison Company
Rule 10 Report for 2019**

5b. 4901:1-10-10(C)(2): Distribution Circuits Impacted by Transmission Outages

Outage Start Date	CI per Outage	CMI per Outage	# of Impacted Circuits	IDs for Impacted Circuits	CI per Circuit	CMI per Circuit
1/28/2019	1,079	88,297	2	500620710	194	21,922
1/28/2019	1,079	88,297	2	500331282	885	66,375
2/12/2019	4,984	76,172	3	500451154	1,412	22,592
2/12/2019	4,984	76,172	3	500451153	1,460	21,900
2/12/2019	4,984	76,172	3	500451155	2,112	31,680
6/6/2019	4,810	1,368,325	4	500551310	1,928	632,427
6/6/2019	4,810	1,368,325	4	500551312	1,839	461,589
6/6/2019	4,810	1,368,325	4	500551311	1,043	274,309
7/2/2019	3,819	51,328	3	500601127	666	8,658
7/2/2019	3,819	51,328	3	500601129	2,417	33,838
7/2/2019	3,819	51,328	3	500601128	736	8,832
11/11/2019	632	41,712	2	500021298	239	15,774
11/11/2019	632	41,712	2	500021297	393	25,938
11/11/2019	2,785	199,270	4	500231141	203	6,902
11/11/2019	2,785	199,270	4	500231142	922	31,348
11/11/2019	2,785	199,270	4	500391137	1,067	103,499
11/11/2019	2,785	199,270	4	500391136	593	57,521

**The Toledo Edison Company
Rule 10 Report for 2019**

5.c. 4901:1-10-10(C)(2): Index Values During Transmission Outages

Outage Start Date	CAIDI During Outage	SAIFI During Outage
1/28/2019	81.83	0.0036
2/12/2019	15.28	0.0165
6/6/2019	284.48	0.0159
7/2/2019	13.44	0.0126
11/11/2019	66.00	0.0021

Notes:

**The Toledo Edison Company
Rule 10 Report for 2019**

6a. 4901:1-10-10(C)(3)(a): Data Excluding Major Events and Transmission Outages

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	603	6,523	454,243
Bird	159	883	77,073
Call Error	1	2	428
Contamination	1	7	1,148
Customer Equipment	2	1	152
Equipment Failure	756	38,235	4,043,924
Fire	9	31	8,248
Forced Outage	188	23,405	644,353
Human Error - Company	24	211	15,587
Human Error -Non-Company	21	3,337	206,211
Ice	25	32	14,253
Lightning	130	4,318	647,211
Line Failure	893	23,256	2,669,192
Object Contact With Line	22	603	43,638
Other Utility-Non Elec	3	76	7,430
Overload	2	601	22,571
Planned Outage	32	1,657	187,910
Previous Lightning	4	5	679
Trees - Sec/Service	425	744	200,755
Trees Off Row-Limb	173	15,503	1,978,931
Trees Off Row-Tree	164	16,697	3,080,539
Trees On Row	110	8,010	1,308,370
Ug Dig-Up	24	517	448,928
Unknown	512	12,257	1,070,237
Vandalism	17	17	1,736
Vehicle	145	27,990	2,451,004
Wind	28	1,840	362,072
Totals:	4,473	186,758	19,946,823

Notes:

**The Toledo Edison Company
Rule 10 Report for 2019**

6b. 4901:1-10-10(C)(3)(b): Data for Major Events Only

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	7	26	6,105
Bird	3	14	626
Customer Equipment	2	351	105,900
Equipment Failure	63	5,567	2,511,604
Forced Outage	3	136	34,201
Ice	238	11,074	4,881,436
Lightning	10	292	114,682
Line Failure	59	4,573	641,378
Object Contact With Line	5	167	176,634
Other Utility-Non Elec	1	5	2,990
Trees - Sec/Service	136	289	471,704
Trees Off Row-Limb	67	5,713	1,459,005
Trees Off Row-Tree	84	10,089	3,561,136
Trees On Row	74	5,583	2,632,243
Unknown	66	2,864	1,347,944
Vehicle	1	1	907
Wind	57	4,356	1,096,109
Totals:	876	51,100	19,044,604

Notes:

**The Toledo Edison Company
Rule 10 Report for 2019**

6c. 4901:1-10-10(C)(3)(c): Data for Transmission Outages Only

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Equipment Failure	2	1,079	88,297
Line Failure	3	3,819	51,328
Unknown	9	8,401	317,154
Vehicle	3	4,810	1,368,325
Totals:	17	18,109	1,825,104

Notes:

**The Toledo Edison Company
Rule 10 Report for 2019**

7. 4901:1-10-10(C)(4): Momentary Interruptions

Total Number = 72

Notes:

This foregoing document was electronically filed with the Public Utilities

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in

Case No(s). 20-0993-EL-ESS

Summary: Application of the Annual Report of FirstEnergy Companies filed pursuant to Rule 10 of the Electric Service and Safety Standards, Ohio Administrative Code 4901:1-10-10 electronically filed by Karen A Sweeney on behalf of Endris, Robert M Mr. and Ohio Edison Company and The Cleveland Electric Illuminating Company and The Toledo Edison Company