

Robert M. Endris
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March 30, 2018

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

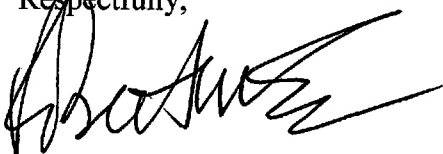
**Re: *In the Matter of the FirstEnergy Companies Report Filed Pursuant to
Rule 10 of the Electric Service and Safety Standards, Ohio
Administrative Code 4901:1-10-10
Case No. 18-993-EL-ESS***

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,



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: 18-993-EL-ESS
Pursuant to Rule 4901:1-10(C)	)	

Pursuant to Rule 4901:1-10(C) of the Ohio Administrative Code,
Ohio Edison Company
herby submits the attached annual report for the year 2017.

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.

Randall A. Frame
Signature

RANDALL A. FRAME
Printed Name

Regional President
Title

3/21/2018
Date

**The Ohio Edison Company
Rule 10 Report for 2017**

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	104.32	208.86

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	0.86	1.36

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

Customers <u>Served</u>	CI <u>After Exclusions</u>	CI <u>Before Exclusions</u>	CMI <u>After Exclusions</u>	CMI <u>Before Exclusions</u>
1,036,832	894,339	1,410,241	93,297,157	294,538,385

Notes:

CI = Customer Interruptions

CMI = Customer Minutes Interrupted

**The Ohio Edison Company
Rule 10 Report for 2017**

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

Date	Description	CI	CMI	CAIDI	SAIFI
01/10/2017	High Winds	23,670	7,204,335	304.37	0.0228
01/11/2017	High Winds	11,280	2,958,907	262.31	0.0109
03/01/2017	Thunderstorm	30,214	5,052,830	167.23	0.0291
03/08/2017	High Winds	78,321	36,004,024	459.70	0.0755
05/01/2017	Thunderstorm	34,946	16,301,858	466.49	0.0337
08/04/2017	Thunderstorm	36,630	14,608,859	398.82	0.0353
09/04/2017	Thunderstorm	10,220	2,963,812	290.00	0.0099
11/05/2017	Thunderstorm	86,951	93,390,816	1,074.06	0.0839
Totals:		312,232	178,485,441		

Notes:

The Ohio Edison Company
Rule 10 Report for 2017

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)
1/5/2017	Bus fault resulting in loss of supply	9:46 PM	69	Power System Condition	8
1/10/2017	2402	9:29 PM	69	Unknown	14
1/11/2017	3200	12:04 AM	138	Vegetation	1,144
2/1/2017	2028	10:39 AM	138	Failed AC Circuit Equipment	8
3/4/2017	3141-1	1:35 PM	69	Foreign Interference	772
3/8/2017	3141-1	12:55 PM	69	Failed AC Circuit Equipment	1,565
3/8/2017	3219	3:21 PM	69	Vegetation	2,794
3/15/2017	2202	3:33 AM	69	Failed AC Circuit Equipment	2,118
3/30/2017	Substation outage for repair of transmission switch	2:00 AM	69	Planned	185
4/4/2017	2324	11:03 AM	69	Vegetation	744
4/5/2017	3114	9:59 PM	69	Unknown	148
4/7/2017	2336	4:03 AM	69	Failed AC Circuit Equipment	709
4/7/2017	2302	8:22 AM	69	Failed AC Substation Equipment	3
4/17/2017	2406	11:05 AM	69	Failed AC Circuit Equipment	141
4/25/2017	Bus fault resulting in loss of supply	1:07 PM	138	Failed AC Substation Equipment	48
6/3/2017	2216	8:23 AM	69	Foreign Interference	481
6/12/2017	2309	10:12 AM	69	Failed AC Circuit Equipment	453
6/14/2017	2312-3	5:48 PM	69	Failed AC Circuit Equipment	331
7/1/2017	2331	3:52 AM	69	Vegetation	1,653
7/10/2017	2422	2:03 PM	69	Failed AC Circuit Equipment	1,159
7/13/2017	Loss of supply	1:07 AM	69	Foreign Interference	15
7/22/2017	2406	6:55 AM	69	Failed AC Circuit Equipment	19,090
7/25/2017	2109	2:35 PM	138	Human Error	1,376
7/30/2017	Loss of supply	6:00 PM	138	Human Error	18
8/4/2017	3201	8:00 AM	69	Failed AC Circuit Equipment	38
8/4/2017	2210	2:08 PM	69	Foreign Interference	0
8/4/2017	2331	2:43 PM	69	Lightning	1
8/4/2017	2318	2:54 PM	69	Vegetation	117
8/25/2017	2076	11:35 AM	138	Foreign Interference	284
9/5/2017	2214	12:52 AM	69	Failed AC Circuit Equipment	499
9/16/2017	Substation outage for repair of transmission switch	2:05 AM	69	Planned	42
10/5/2017	2415-2	2:52 PM	69	Foreign Interference	11
11/5/2017	2309	6:16 PM	69	Weather, excluding lightning	2,844
11/5/2017	2231	6:42 PM	69	Vegetation	0
11/5/2017	2209	6:56 PM	69	Vegetation	365
11/22/2017	Loss of supply	5:56 PM	69	Failed AC/DC Terminal Equipment	173
11/24/2017	2215	12:26 PM	69	Failed AC/DC Terminal Equipment	2
12/13/2017	2335	8:39 PM	69	Failed AC Circuit Equipment	697

Notes:

**The Ohio Edison Company
Rule 10 Report for 2017**

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
1/5/2017	5,506	33,036	3	204730040	2,658	15,948
1/5/2017	5,506	33,036	3	204730049	1,136	6,816
1/5/2017	5,506	33,036	3	204730063	1,712	10,272
1/10/2017	5,332	383,166	4	202100023	1,327	95,544
1/10/2017	5,332	383,166	4	202100059	1,655	119,160
1/10/2017	5,332	383,166	4	202100072	1,981	142,632
1/10/2017	5,332	383,166	4	202100020	369	25,830
1/11/2017	2,581	25,810	2	210170013	817	8,170
1/11/2017	2,581	25,810	2	210170014	1,764	17,640
2/1/2017	1,006	8,048	2	201020025	982	7,856
2/1/2017	1,006	8,048	2	201020016	24	192
3/4/2017	1,297	399,222	2	205390040	1,042	346,986
3/4/2017	1,297	399,222	2	205390407	255	52,236
3/8/2017	1,297	602,229	2	205390040	1,043	510,027
3/8/2017	1,297	602,229	2	205390407	254	92,202
3/8/2017	7,651	680,939	5	204120023	2,399	213,511
3/8/2017	7,651	680,939	5	204120009	1,868	166,252
3/8/2017	7,651	680,939	5	204230047	1,606	142,934
3/8/2017	7,651	680,939	5	204230044	1,526	135,814
3/8/2017	7,651	680,939	5	204230056	252	22,428
3/15/2017	4,359	823,511	2	200400014	1,938	414,732
3/15/2017	4,359	823,511	2	200400009	2,421	408,779
3/30/2017	1,313	216,645	2	202280016	526	86,790
3/30/2017	1,313	216,645	2	202280012	787	129,855
4/4/2017	7,810	156,200	4	200650133	2,348	46,960
4/4/2017	7,810	156,200	4	200650105	1,683	33,660
4/4/2017	7,810	156,200	4	200650102	1,984	39,680
4/4/2017	7,810	156,200	4	200650149	1,795	35,900
4/5/2017	6,870	562,246	6	205170003	939	70,425
4/5/2017	6,870	562,246	6	205170050	988	74,100
4/5/2017	6,870	562,246	6	205170004	1,078	80,850
4/5/2017	6,870	562,246	6	205010306	1,239	107,793
4/5/2017	6,870	562,246	6	205010314	1,005	86,430
4/5/2017	6,870	562,246	6	205010290	1,621	142,648
4/7/2017	14,720	879,070	12	200620012	722	55,594
4/7/2017	14,720	879,070	12	200620016	1,371	105,567
4/7/2017	14,720	879,070	12	200620053	1,940	149,380
4/7/2017	14,720	879,070	12	200580062	2,073	97,431
4/7/2017	14,720	879,070	12	200580018	3,846	180,762

**The Ohio Edison Company
Rule 10 Report for 2017**

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
4/7/2017	14,720	879,070	12	200580026	613	28,811
4/7/2017	14,720	879,070	12	200580058	1,947	91,509
4/7/2017	14,720	879,070	12	200620010	292	22,484
4/7/2017	14,720	879,070	12	200600023	435	33,495
4/7/2017	14,720	879,070	12	200600057	447	34,419
4/7/2017	14,720	879,070	12	200600053	223	17,171
4/7/2017	14,720	879,070	12	200600032	811	62,447
4/7/2017	11,271	67,626	9	204560084	1,231	7,386
4/7/2017	11,271	67,626	9	204560056	2,070	12,420
4/7/2017	11,271	67,626	9	204100031	922	5,532
4/7/2017	11,271	67,626	9	204100021	2,020	12,120
4/7/2017	11,271	67,626	9	204100012	1,837	11,022
4/7/2017	11,271	67,626	9	204560075	1,152	6,912
4/7/2017	11,271	67,626	9	204560071	307	1,842
4/7/2017	11,271	67,626	9	204560003	272	1,632
4/7/2017	11,271	67,626	9	204560004	1,460	8,760
4/17/2017	5,203	151,347	4	206190010	1,330	46,550
4/17/2017	5,203	151,347	4	206190005	1,676	58,660
4/17/2017	5,203	151,347	4	206200007	783	16,443
4/17/2017	5,203	151,347	4	206200030	1,414	29,694
4/25/2017	3,047	101,226	3	201220029	1,233	35,757
4/25/2017	3,047	101,226	3	201030084	677	32,496
4/25/2017	3,047	101,226	3	201220005	1,137	32,973
6/3/2017	3,238	80,950	3	201260004	1,249	31,225
6/3/2017	3,238	80,950	3	201260001	693	17,325
6/3/2017	3,238	80,950	3	208040003	1,296	32,400
6/12/2017	9,342	343,149	5	210070018	2,386	16,702
6/12/2017	9,342	343,149	5	210070033	1,634	11,438
6/12/2017	9,342	343,149	5	210070009	3,207	22,449
6/12/2017	9,342	343,149	5	210300028	416	40,352
6/12/2017	9,342	343,149	5	210300020	1,699	252,208
6/14/2017	4,388	359,816	3	200190060	1,379	113,078
6/14/2017	4,388	359,816	3	200190010	1,322	108,404
6/14/2017	4,388	359,816	3	200190002	1,687	138,334
7/1/2017	5,375	37,382	4	200520014	1,417	9,919
7/1/2017	5,375	37,382	4	200520026	2,416	16,912
7/1/2017	5,375	37,382	4	200230007	433	3,897
7/1/2017	5,375	37,382	4	200230013	1,109	6,654
7/10/2017	3,901	300,377	6	207150017	714	54,978

**The Ohio Edison Company
Rule 10 Report for 2017**

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
7/10/2017	3,901	300,377	6	207150035	942	72,534
7/10/2017	3,901	300,377	6	207100002	635	48,895
7/10/2017	3,901	300,377	6	207150026	579	44,583
7/10/2017	3,901	300,377	6	207100040	333	25,641
7/10/2017	3,901	300,377	6	207100003	698	53,746
7/13/2017	8,714	130,710	6	200400014	1,982	29,730
7/13/2017	8,714	130,710	6	200400009	2,452	36,780
7/13/2017	8,714	130,710	6	203250007	1,105	16,575
7/13/2017	8,714	130,710	6	203250006	742	11,130
7/13/2017	8,714	130,710	6	210870014	840	12,600
7/13/2017	8,714	130,710	6	210870013	1,593	23,895
7/22/2017	7,378	118,262	4	206190010	1,326	25,194
7/22/2017	7,378	118,262	4	206190005	1,668	31,692
7/22/2017	7,378	118,262	4	206200007	1,562	21,868
7/22/2017	7,378	118,262	4	206200030	2,822	39,508
7/25/2017	4,296	151,930	5	206000013	724	13,756
7/25/2017	4,296	151,930	5	206000014	38	722
7/25/2017	4,296	151,930	5	206140044	809	40,368
7/25/2017	4,296	151,930	5	206140008	1,455	72,102
7/25/2017	4,296	151,930	5	206140009	1,270	24,982
7/30/2017	9,245	184,645	19	205060012	910	22,750
7/30/2017	9,245	184,645	19	205060009	336	8,400
7/30/2017	9,245	184,645	19	205060011	307	7,675
7/30/2017	9,245	184,645	19	205060013	90	2,250
7/30/2017	9,245	184,645	19	205030049	200	5,000
7/30/2017	9,245	184,645	19	205030006	704	19,008
7/30/2017	9,245	184,645	19	205040003	74	1,998
7/30/2017	9,245	184,645	19	205010306	1,216	15,808
7/30/2017	9,245	184,645	19	205010033	1	27
7/30/2017	9,245	184,645	19	205010107	28	728
7/30/2017	9,245	184,645	19	205010106	1	25
7/30/2017	9,245	184,645	19	205010290	1,614	20,982
7/30/2017	9,245	184,645	19	205010105	3	75
7/30/2017	9,245	184,645	19	205010314	1,004	13,052
7/30/2017	9,245	184,645	19	205080004	286	7,150
7/30/2017	9,245	184,645	19	205080003	942	23,550
7/30/2017	9,245	184,645	19	205080005	319	7,975
7/30/2017	9,245	184,645	19	205030009	524	13,100
7/30/2017	9,245	184,645	19	205060010	686	15,092

**The Ohio Edison Company
Rule 10 Report for 2017**

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
8/4/2017	1,730	65,740	1	204590407	1,730	65,740
8/4/2017	2,826	398,466	4	201640006	1,120	157,920
8/4/2017	2,826	398,466	4	201280025	204	28,764
8/4/2017	2,826	398,466	4	201280016	184	25,944
8/4/2017	2,826	398,466	4	201640005	1,318	185,838
8/4/2017	2,058	273,714	2	200370012	965	128,345
8/4/2017	2,058	273,714	2	200370015	1,093	145,369
8/4/2017	2,210	258,570	2	200630013	395	46,215
8/4/2017	2,210	258,570	2	200630026	1,815	212,355
8/25/2017	3,042	36,504	2	210970014	1,395	16,740
8/25/2017	3,042	36,504	2	210970013	1,647	19,764
9/5/2017	7,013	1,319,461	5	201290019	1,364	155,496
9/5/2017	7,013	1,319,461	5	201790020	957	109,098
9/5/2017	7,013	1,319,461	5	201290014	1,523	173,622
9/5/2017	7,013	1,319,461	5	201390016	1,194	330,738
9/5/2017	7,013	1,319,461	5	201390026	1,975	550,507
9/16/2017	3,131	131,502	2	210680013	1,856	77,952
9/16/2017	3,131	131,502	2	210680014	1,275	53,550
10/5/2017	4,262	46,882	3	206740009	1,372	15,092
10/5/2017	4,262	46,882	3	206740033	1,315	14,465
10/5/2017	4,262	46,882	3	206740022	1,575	17,325
11/5/2017	4,001	8,183,253	2	210070018	2,398	7,059,052
11/5/2017	4,001	8,183,253	2	210300020	1,603	1,124,201
11/5/2017	2,679	1,518,574	3	200270007	741	4,446
11/5/2017	2,679	1,518,574	3	201260001	694	541,320
11/5/2017	2,679	1,518,574	3	201260004	1,244	972,808
11/5/2017	7,788	313,509	7	204680041	37	5,143
11/5/2017	7,788	313,509	7	201120013	1,174	18,784
11/5/2017	7,788	313,509	7	201120015	699	53,124
11/5/2017	7,788	313,509	7	201120053	3,550	56,800
11/5/2017	7,788	313,509	7	201120014	963	73,188
11/5/2017	7,788	313,509	7	201840013	766	59,748
11/5/2017	7,788	313,509	7	201840014	599	46,722
11/22/2017	12,372	2,534,960	10	208040003	1,297	225,678
11/22/2017	12,372	2,534,960	10	201260004	1,245	216,630
11/22/2017	12,372	2,534,960	10	201560013	450	123,300
11/22/2017	12,372	2,534,960	10	201120013	1,176	204,624
11/22/2017	12,372	2,534,960	10	201560014	1,179	327,762
11/22/2017	12,372	2,534,960	10	201560012	1,112	408,104

**The Ohio Edison Company
Rule 10 Report for 2017**

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
11/22/2017	12,372	2,534,960	10	201260001	693	120,582
11/22/2017	12,372	2,534,960	10	201120053	3,552	618,048
11/22/2017	12,372	2,534,960	10	201120015	698	121,452
11/22/2017	12,372	2,534,960	10	201120014	970	168,780
11/24/2017	12,372	533,912	10	201120015	698	14,658
11/24/2017	12,372	533,912	10	208040003	1,297	27,237
11/24/2017	12,372	533,912	10	201260001	693	14,553
11/24/2017	12,372	533,912	10	201120014	970	20,370
11/24/2017	12,372	533,912	10	201260004	1,245	26,145
11/24/2017	12,372	533,912	10	201120053	3,552	74,592
11/24/2017	12,372	533,912	10	201560012	1,112	134,552
11/24/2017	12,372	533,912	10	201120013	1,176	24,696
11/24/2017	12,372	533,912	10	201560013	450	54,450
11/24/2017	12,372	533,912	10	201560014	1,179	142,659
12/13/2017	3,046	344,198	2	204660401	1,291	145,883
12/13/2017	3,046	344,198	2	204660403	1,755	198,315

Notes:

**The Ohio Edison Company
Rule 10 Report for 2017**

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

Outage Start Date	CAIDI During Outage	SAIFI During Outage
1/5/2017	6.00	0.0053
1/10/2017	71.86	0.0051
1/11/2017	10.00	0.0025
2/1/2017	8.00	0.0010
3/4/2017	307.80	0.0013
3/8/2017	464.32	0.0013
3/8/2017	89.00	0.0074
3/15/2017	188.92	0.0042
3/30/2017	165.00	0.0013
4/4/2017	20.00	0.0075
4/5/2017	81.84	0.0066
4/7/2017	59.72	0.0142
4/7/2017	6.00	0.0109
4/17/2017	29.09	0.0050
4/25/2017	33.22	0.0029
6/3/2017	25.00	0.0031
6/12/2017	36.73	0.0090
6/14/2017	82.00	0.0042
7/1/2017	6.95	0.0052
7/10/2017	77.00	0.0038
7/13/2017	15.00	0.0084
7/22/2017	16.03	0.0071
7/25/2017	35.37	0.0041
7/30/2017	19.97	0.0089
8/4/2017	38.00	0.0017
8/4/2017	141.00	0.0027
8/4/2017	133.00	0.0020
8/4/2017	117.00	0.0021
8/25/2017	12.00	0.0029
9/5/2017	188.15	0.0068
9/16/2017	42.00	0.0030
10/5/2017	11.00	0.0041
11/5/2017	2045.30	0.0039
11/5/2017	566.84	0.0026
11/5/2017	40.26	0.0075
11/22/2017	204.89	0.0119
11/24/2017	43.15	0.0119
12/13/2017	113.00	0.0029

Notes:

**The Ohio Edison Company
Rule 10 Report for 2017**

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

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	2,607	132,905	9,964,154
Bird	1,310	23,681	2,048,554
Call Error	1	10	4,690
Contamination	2	2	157
Customer Equipment	30	66	6,628
Equipment Failure	1,873	171,170	15,836,754
Fire	17	684	146,609
Forced Outage	543	62,875	2,743,611
Human Error - Company	45	4,698	163,697
Human Error - Non-Company	91	3,880	528,616
Ice	3	95	24,537
Lightning	882	39,502	4,708,190
Line Failure	1,565	117,604	16,619,291
Object Contact With Line	37	8,005	1,213,762
Other Electric Utility	1	268	21,708
Other Utility-Non Elec	11	401	54,751
Overload	88	3,772	555,859
Planned Outage	499	14,921	895,104
Previous Lightning	135	4,794	541,581
Switching Error	6	4,664	53,983
Trees - Sec/Service	556	2,233	521,575
Trees Off Row-Limb	576	31,079	3,216,832
Trees Off Row-Tree	1,604	127,230	18,873,412
Trees On Row	54	1,248	174,562
Ug Dig-Up	61	1,195	165,734
Unknown	592	48,984	3,767,293
Vandalism	15	16	1,632
Vehicle	580	88,279	10,438,554
Wind	3	78	5,327
Totals:	13,787	894,339	93,297,157

Notes:

**The Ohio Edison Company
Rule 10 Report for 2017**

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

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	38	647	59,261
Bird	23	273	41,351
Call Error	1	742	11,872
Customer Equipment	6	6	3,521
Equipment Failure	280	36,606	23,217,411
Fire	1	38	34,884
Forced Outage	36	3,518	232,214
Human Error - Company	2	2	102
Human Error - Non-Company	1	1	680
Lightning	234	15,249	3,259,555
Line Failure	372	36,270	11,000,224
Object Contact With Line	14	3,518	1,282,493
Other Utility-Non Elec	2	138	117,399
Overload	2	160	49,594
Planned Outage	5	46	7,174
Previous Lightning	3	3	4,854
Trees - Sec/Service	330	3,484	1,871,973
Trees Off Row-Limb	227	28,589	10,336,044
Trees Off Row-Tree	1,257	157,036	117,296,680
Trees On Row	29	833	449,558
Ug Dig-Up	6	176	105,556
Unknown	69	18,333	3,680,612
Vandalism	1	4	240
Vehicle	16	2,787	282,105
Wind	22	3,773	5,140,084
	2,977	312,232	178,485,441

Notes:

**The Ohio Edison Company
Rule 10 Report for 2017**

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

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	6	8,714	130,710
Bird	3	4,262	46,882
Equipment Failure	50	67,110	6,977,246
Forced Outage	9	11,271	67,626
Human Error -Non-Company	2	1,297	399,222
Lightning	11	11,091	499,968
Line Failure	18	21,905	2,101,047
Planned Outage	4	4,444	348,147
Trees - Sec/Service	1	965	128,345
Trees Off Row-Tree	25	33,718	10,586,149
Unknown	39	32,613	1,353,991
Vehicle	5	6,280	117,454
Totals:	173	203,670	22,756,787

Notes:

**The Ohio Edison Company
Rule 10 Report for 2017**

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

Total Number = 473

Notes:

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the matter of the Annual Report of	)	
Electric Distribution System Reliability	)	Case No: 18-993-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 2017.

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



Title



Printed Name



Date

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2017**

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	116.19	209.77

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	1.02	1.34

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

Customers <u>Served</u>	CI <u>After Exclusions</u>	CI <u>Before Exclusions</u>	CMI <u>After Exclusions</u>	CMI <u>Before Exclusions</u>
731,153	745,923	981,260	86,666,252	205,843,758

Notes:

CI = Customer Interruptions

CMI = Customer Minutes Interrupted

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2017**

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

Date	Description	CI	CMI	CAIDI	SAIFI
01/10/2017	High Winds	37,501	7,873,121	209.94	0.05
03/01/2017	Thunderstorm	35,112	10,763,658	306.55	0.05
03/08/2017	High Winds	95,118	65,646,004	690.15	0.13
11/05/2017	Thunderstorm	37,372	33,660,179	900.68	0.05
Totals		205,103	117,942,962		

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2017**

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)
4/7/2017	4000-2	4:41 AM	138	Vegetation	129
4/7/2017	4002	4:41 AM	138	Failed AC Substation Equipment	115
12/3/2017	Transmission breaker tripped, no transmission line outage	8:15 AM	138	Human Error	56
12/6/2017	4060	9:34 AM	138	Human Error	16
12/15/2017	4057	3:07 PM	138	Human Error	10

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2017**

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
4/7/2017	6,804	81,648	4	401900004	2,476	29,712
4/7/2017	6,804	81,648	4	401900001	1,487	17,844
4/7/2017	6,804	81,648	4	401900003	1,899	22,788
4/7/2017	6,804	81,648	4	401900002	942	11,304
4/7/2017	4,415	490,065	5	401760001	339	37,629
4/7/2017	4,415	490,065	5	401760003	1,208	134,088
4/7/2017	4,415	490,065	5	401760002	865	96,015
4/7/2017	4,415	490,065	5	401760005	639	70,929
4/7/2017	4,415	490,065	5	401760004	1,364	151,404
12/3/2017	5,094	285,264	21	402390019	413	23,128
12/3/2017	5,094	285,264	21	400250003	540	30,240
12/3/2017	5,094	285,264	21	402390011	282	15,792
12/3/2017	5,094	285,264	21	402390015	159	8,904
12/3/2017	5,094	285,264	21	402390003	149	8,344
12/3/2017	5,094	285,264	21	400250008	182	10,192
12/3/2017	5,094	285,264	21	400250001	1,003	56,168
12/3/2017	5,094	285,264	21	400250002	106	5,936
12/3/2017	5,094	285,264	21	400250006	9	504
12/3/2017	5,094	285,264	21	402390009	271	15,176
12/3/2017	5,094	285,264	21	400260003	2	112
12/3/2017	5,094	285,264	21	402390014	280	15,680
12/3/2017	5,094	285,264	21	402390010	8	448
12/3/2017	5,094	285,264	21	400260005	3	168
12/3/2017	5,094	285,264	21	400260014	2	112
12/3/2017	5,094	285,264	21	402390008	217	12,152
12/3/2017	5,094	285,264	21	402390017	113	6,328
12/3/2017	5,094	285,264	21	400260023	2	112
12/3/2017	5,094	285,264	21	400260008	103	5,768
12/3/2017	5,094	285,264	21	402390007	972	54,432
12/3/2017	5,094	285,264	21	402390006	278	15,568
12/6/2017	10,221	340,567	6	400500005	1,474	17,688
12/6/2017	10,221	340,567	6	400500007	2,903	34,836
12/6/2017	10,221	340,567	6	400500006	529	6,348
12/6/2017	10,221	340,567	6	400240007	1,923	101,919
12/6/2017	10,221	340,567	6	400240006	1,785	94,605
12/6/2017	10,221	340,567	6	400240005	1,607	85,171
12/15/2017	3,700	37,000	6	400820008	151	1,510
12/15/2017	3,700	37,000	6	400820007	1,762	17,620
12/15/2017	3,700	37,000	6	400820006	823	8,230

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2017**

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
12/15/2017	3,700	37,000	6	400820002	222	2,220
12/15/2017	3,700	37,000	6	400820004	92	920
12/15/2017	3,700	37,000	6	400820001	650	6,500

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2017**

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

Outage Start Date	CAIDI During Outage	SAIFI During Outage
4/7/2017	12.00	0.0093
4/7/2017	111.00	0.0060
12/3/2017	56.00	0.0070
12/6/2017	33.32	0.0140
12/15/2017	10.00	0.0051

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2017**

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

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	636	43,377	3,102,733
Bird	123	973	131,372
Contamination	20	62	20,858
Customer Equipment	13	1,172	385,060
Equipment Failure	2,335	206,060	22,367,436
Fire	4	71	13,684
Forced Outage	304	37,752	3,212,949
Human Error - Company	39	34,161	501,360
Human Error -Non-Company	34	3,800	298,659
Lightning	43	1,612	333,395
Line Failure	2,484	179,037	24,559,167
Object Contact With Line	19	4,228	539,654
Other Electric Utility	1	9	657
Other Utility-Non Elec	1	96	8,343
Overload	1	208	17,264
Planned Outage	315	9,104	1,438,350
Previous Lightning	2	39	5,752
Switching Error	27	15,638	584,140
Trees - Sec/Service	445	2,367	797,919
Trees Off Row-Limb	151	18,085	2,715,862
Trees Off Row-Tree	364	53,937	8,903,972
Trees On Row	342	41,582	6,298,403
Ug Dig-Up	52	4,571	520,831
Unknown	63	38,883	3,961,364
Vandalism	7	10	3,053
Vehicle	200	49,089	5,944,015
Totals:	8,025	745,923	86,666,252

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2017**

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

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	4	82	19,964
Customer Equipment	5	43	24,554
Equipment Failure	263	32,232	15,339,420
Forced Outage	13	3,674	417,425
Lightning	14	442	148,827
Line Failure	268	31,860	21,430,285
Object Contact With Line	5	56	78,070
Other Electric Utility	1	9	2,907
Planned Outage	3	20	1,221
Trees - Sec/Service	71	1,455	931,991
Trees Off Row-Limb	33	9,927	5,602,959
Trees Off Row-Tree	228	35,641	25,997,624
Trees On Row	125	30,909	23,142,885
Ug Dig-Up	2	3	8,150
Unknown	115	34,011	9,010,653
Vehicle	1	100	13,000
Wind	244	24,639	15,773,027
Totals:	1,395	205,103	117,942,962

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2017**

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

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Human Error - Company	33	19,015	662,831
Trees Off Row-Tree	9	11,219	571,713
Totals:	42	30,234	1,234,544

Notes:

**The Cleveland Electric Illuminating Company
Rule 10 Report for 2017**

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

Total Number = 1,282

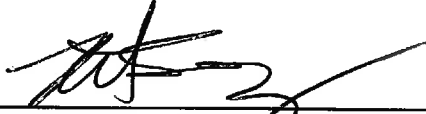
Notes:

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the matter of the Annual Report of	)	
Electric Distribution System Reliability	)	Case No: 18-993-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 2017.

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

MARCH 19, 2018
Date

The Toledo Edison Company
Rule 10 Report for 2017

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	95.58	171.91

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	0.51	0.86

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>
302,315	153,635	259,354	14,684,326	44,585,972

Notes:

CI = Customer Interruptions

CMI = Customer Minutes Interrupted

**The Toledo Edison Company
Rule 10 Report for 2017**

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

Date	Description	CI	CMI	CAIDI	SAIFI
01/10/2017	High Winds	11,622	2,437,263	209.71	0.04
03/08/2017	High Winds	39,316	18,607,665	473.28	0.13
06/22/2017	Thunderstorms	5,194	1,466,059	282.26	0.02
09/04/2017	Thunderstorms	7,855	2,943,355	374.71	0.03
11/05/2017	Thunderstorms	5,757	1,251,207	217.34	0.02
Totals		69,744	26,705,549		

Notes:

**The Toledo Edison Company
Rule 10 Report for 2017**

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)
3/8/2017	3012-1	11:46 AM	138	Failed AC Circuit Equipment	10,528
3/8/2017	3157	4:31 PM	69	Failed AC Circuit Equipment	498
7/13/2017	3004	1:47 PM	138	Unknown	21
7/17/2017	3152	4:37 AM	69	Vegetation	479
9/20/2017	Distribution load was shed at the request of transmission to avoid a transmission outage	12:54 PM	69	Forced Outage	48
10/13/2017	3120	10:56 AM	69	Foreign Interference	675
11/5/2017	3129	12:18 PM	69	Foreign Interference	1,311
11/10/2017	3003	2:57 AM	138	Foreign Interference	1,158

Notes:

The Toledo Edison Company
Rule 10 Report for 2017

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
3/8/2017	2,626	163,982	3	500881183	1,211	75,082
3/8/2017	2,626	163,982	3	500881186	1,366	86,058
3/8/2017	2,626	163,982	3	500881185	49	2,842
3/8/2017	1,842	922,842	1	500091518	1,842	922,842
7/13/2017	5,683	119,343	3	500031385	3,628	76,188
7/13/2017	5,683	119,343	3	500031384	1,032	21,672
7/13/2017	5,683	119,343	3	500031383	1,023	21,483
7/17/2017	560	5,600	1	500351195	560	5,600
9/20/2017	457	21,936	1	500461342	457	21,936
10/13/2017	2,606	559,060	5	500181295	477	102,555
10/13/2017	2,606	559,060	5	500161284	899	193,285
10/13/2017	2,606	559,060	5	500421190	604	129,256
10/13/2017	2,606	559,060	5	500421191	179	38,306
10/13/2017	2,606	559,060	5	500171309	447	95,658
11/5/2017	2,085	156,375	2	500021271	1,966	147,450
11/5/2017	2,085	156,375	2	500021272	119	8,925
11/10/2017	20,116	1,246,959	11	500581349	3,135	228,855
11/10/2017	20,116	1,246,959	11	500581165	3,210	234,330
11/10/2017	20,116	1,246,959	11	500581164	2,172	158,556
11/10/2017	20,116	1,246,959	11	500581348	1,329	97,017
11/10/2017	20,116	1,246,959	11	500581347	1,225	89,425
11/10/2017	20,116	1,246,959	11	500581166	631	46,063
11/10/2017	20,116	1,246,959	11	500561261	622	45,406
11/10/2017	20,116	1,246,959	11	500581345	472	34,456
11/10/2017	20,116	1,246,959	11	500561262	2,300	163,300
11/10/2017	20,116	1,246,959	11	500581346	3,309	29,781
11/10/2017	20,116	1,246,959	11	500561260	1,711	119,770

Notes:

**The Toledo Edison Company
Rule 10 Report for 2017**

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

Outage Start Date	CAIDI During Outage	SAIFI During Outage
3/8/2017	62.45	0.0087
3/8/2017	501.00	0.0061
7/13/2017	21.00	0.0188
7/17/2017	10.00	0.0019
9/20/2017	48.00	0.0015
10/13/2017	214.53	0.0086
11/5/2017	75.00	0.0069
11/10/2017	61.99	0.0665

Notes:

**The Toledo Edison Company
Rule 10 Report for 2017**

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

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	570	8,704	619,327
Bird	140	1,053	66,821
Customer Equipment	3	12	1,079
Equipment Failure	699	23,758	3,309,944
Fire	10	100	17,579
Forced Outage	166	19,904	548,536
Human Error - Company	10	2,504	255,547
Human Error -Non-Company	24	2,753	193,061
Lightning	94	5,586	566,092
Line Failure	535	31,978	3,121,375
Object Contact With Line	15	611	65,473
Other Electric Utility	1	314	41,124
Other Utility-Non Elec	5	6	1,438
Planned Outage	22	353	33,196
Previous Lightning	12	99	12,058
Trees - Sec/Service	239	464	98,312
Trees Off Row-Limb	118	9,315	920,338
Trees Off Row-Tree	134	7,784	987,596
Trees On Row	57	1,424	274,709
Ug Dig-Up	22	3,524	235,759
Unknown	490	11,118	1,167,092
Vandalism	7	7	464
Vehicle	119	22,262	2,147,064
Wind	1	2	342
Totals:	3,493	153,635	14,684,326

Notes:

**The Toledo Edison Company
Rule 10 Report for 2017**

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

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Animal	8	181	40,615
Bird	4	64	42,621
Customer Equipment	2	2	2,926
Equipment Failure	118	15,243	4,764,188
Forced Outage	2	859	12,032
Lightning	19	239	65,638
Line Failure	51	5,805	1,561,830
Object Contact With Line	4	275	94,769
Overload	1	1,312	1,520,608
Planned Outage	1	10	2,080
Trees - Sec/Service	91	237	319,629
Trees Off Row-Limb	64	9,379	2,555,885
Trees Off Row-Tree	167	15,643	8,683,304
Trees On Row	43	3,949	2,233,225
Unknown	99	13,645	4,124,717
Vehicle	4	1,454	60,287
Wind	16	1,447	621,195
Totals:	694	69,744	26,705,549

Notes:

**The Toledo Edison Company
Rule 10 Report for 2017**

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

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Equipment Failure	3	2,626	163,982
Forced Outage	2	2,299	944,778
Object Contact With Line	2	2,085	156,375
Unknown	4	6,243	124,943
Vehicle	16	22,722	1,806,019
Totals:	27	35,975	3,196,097

Notes:

**The Toledo Edison Company
Rule 10 Report for 2017**

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

Total Number = 58

Notes:

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

3/30/2018 2:12:18 PM

in

Case No(s). 18-0993-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 Ms. Tamera J Singleton on behalf of FirstEnergy Corp and Endris, Robert M. Mr.