BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the matter of the Annual Report of

Electric Distribution System Reliability Pursuant to Rule 4901:1-10-10(C)) Case No: 18 -0995 -EL-ESS)
Dayton P	C) of the Ohio Administrative Code, lower & Light annual report for the year 2017 .
I certify that the following report accurately and consumant to Rule 4901:1-10-10 of the Ohio Admir	completely reflects the annual report requirements nistrative Code.
Signature	Barry J. Roentley Printed Name
SUD US Utilities Operations	3/29/20,8 Date

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

Performance Standard

After Exclusions

Before Exclusions

125.04

133.07

185.56

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

Performance Standard

After Exclusions

Before Exclusions

0.88

0.68

1.06

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

Customers

CI*
<u>After Exclusions</u>

CI

CMI*

CMI

<u>Served</u> 584,044

396,773

Before Exclusions 620,336 After Exclusions 52,798,598

Before Exclusions

115,111,262

Notes:

*CI = Customer Interruptions

CMI = Customer Minutes Interrupted

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

Date	Description	CI	СМІ	CAIDI	SAIFI
3/1/2017	Thunderstorm	16,882	2,525,951	149.62	1.00
4/5/2017	Thunderstorm	10,529	2,677,447	254.29	1.00
6/5/2017	Thunderstorm	23,124	6,541,799	282.90	1.00
7/11/2017	Thunderstorm	47,175	34,145,728	723.81	1.00
7/12/2017	Thunderstorm	4,872	4,883,006	1,002.26	1.00
7/21/2017	Thunderstorm	22,202	4,005,538	180.41	1.00
	Totals:	124,784	54,779,469		

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)
01/10/2017	Transmission Bus - Transmission Bus	12:00 AM	69 kV	Lightning	36,016
02/06/2017	Yankee - Trebein - Waynesville - Caesars Creek [6610]	12:00 AM	69 kV	Equipment/Hardware Failure	28,172
02/06/2017	Jamestown - Washington C.H. [6902]	12:00 AM	69 kV	Equipment/Hardware Failure	731,919
02/06/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	8,961
02/06/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	8,091
02/07/2017	Indian Lake - New Hampshire [3307]	12:00 AM	33 kV	Vehicle Accident	33,735
02/24/2017	Indian Lake - New Hampshire [3307]	12:00 AM	33 kV	Equipment/Hardware Failure	41,444
02/28/2017	Amsterdam - Coldwater [6629]	12:00 AM	69 kV	Lightning	3,598
02/28/2017	Celina - Coldwater [6688]	12:00 AM	69 kV	Lightning	398,431
03/01/2017	Celina - Coldwater [6688]	12:00 AM	69 kV	Equipment/Hardware Failure	150,409
03/01/2017	Celina - Coldwater [6688]	12:00 AM	69 kV	Equipment/Hardware Failure	276,158
03/01/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	5,206
03/01/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	30,680
03/20/2017	Jamestown - Washington C.H. [6902]	12:00 AM	69 kV	Lightning	210,547
03/22/2017	Coldwater - Rossburg [6684]	12:00 AM	69 kV	Equipment/Hardware Failure	29,736

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)
03/22/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	5,947
05/01/2017	Garage Road - West Manchester [6656]	12:00 AM	69 kV	Trees Out of ROW	122,584
05/04/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	15,697
05/04/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	506,119
05/15/2017	Sidney - Botkins [6631]	12:00 AM	69 kV	Equipment/Hardware Failure	101,740
05/15/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	2,640
05/15/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	178,340
05/15/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	315,094
05/27/2017	Glady Run - Jamestown - Xenia [6636]	12:00 AM	69 kV	Vehicle Accident	345,012
06/14/2017	Garage Road - New Westville [3302]	12:00 AM	33 kV	Equipment/Hardware Failure	269,468
06/18/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	20,312
06/18/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	49,580
06/18/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	184,860
06/29/2017	Logan - Shelby [13830]	12:00 AM	138 kV	Lightning	740,314
07/10/2017	Indian Lake - New Hampshire [3307]	12:00 AM	33 kV	Equipment/Hardware Failure	17,510

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)
07/11/2017	Brookville - West Manchester [6639]	12:00 AM	69 kV	High Winds	95,019
07/11/2017	Brookville - West Manchester [6639]	12:00 AM	69 kV	Trees Out of ROW	81,909
07/11/2017	Garage Road - West Manchester [6656]	12:00 AM	69 kV	Trees Out of ROW	51,386
07/11/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	471,862
07/11/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	103,787
07/11/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	12,573
07/11/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	6,859
08/01/2017	Celina - Coldwater [6688]	12:00 AM	69 kV	Equipment/Hardware Failure	126,726
08/24/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	267,038
08/24/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	131,577
08/24/2017	Transmission Bus - Transmission Bus	12:00 AM	12 kV	Transmission Trouble	75,298
10/09/2017	Jamestown - Washington C.H. [6902]	12:00 AM	69 kV	Equipment/Hardware Failure	197,687
11/05/2017	Bellefontaine - Blue Jacket - Indian Lake [6648]	12:00 AM	69 kV	Trees Out of ROW	125,565
11/05/2017	Celina - Coldwater [6688]	12:00 AM	69 kV	Lightning	494,501
12/29/2017	Wilmington - Highland (AEP) [6658]	12:00 AM	69 kV	Scheduled/Planned Outage	423,092

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
01/10/2017	619	36,016	1	MC1201	619	36,015
02/06/2017	2,729	731,919	5	JE1210	425	123,349
02/06/2017	2,729	731,919	5	JE1208	279	17,642
02/06/2017	2,729	731,919	5	JE1206	838	244,054
02/06/2017	2,729	731,919	5	JE1204	1	285
02/06/2017	2,729	731,919	5	JE1202	1,186	346,589
02/06/2017	4,379	28,172	3	GF1201	1,229	7,907
02/06/2017	4,379	28,172	3	GF1202	1,826	11,747
02/06/2017	4,379	28,172	3	GF1204	1,324	8,518
02/06/2017	279	8,091	1	JE1208	279	8,091
02/06/2017	309	8,961	1	JB1202	309	8,961
02/07/2017	90	33,735	1	ED1202	90	33,735
02/24/2017	90	41,444	1	ED1202	90	41,444
02/28/2017	1,914	398,431	3	KE1201	487	101,377
02/28/2017	1,914	398,431	3	KE1202	1,047	217,950
02/28/2017	1,914	398,431	3	KE1203	380	79,103
02/28/2017	514	3,598	1	KH1202	514	3,598
03/01/2017	1,914	276,158	3	KE1201	487	70,266
03/01/2017	1,914	276,158	3	KE1202	1,047	151,065
03/01/2017	1,914	276,158	3	KE1203	380	54,828

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
03/01/2017	1,914	150,409	3	KE1203	380	29,862
03/01/2017	1,914	150,409	3	KE1202	1,047	82,277
03/01/2017	1,914	150,409	3	KE1201	487	38,270
03/01/2017	1,534	30,680	2	KE1201	487	9,740
03/01/2017	1,534	30,680	2	KE1202	1,047	20,940
03/01/2017	380	5,206	1	KE1203	380	5,206
03/20/2017	3,876	210,547	6	JE1202	1,186	60,921
03/20/2017	3,876	210,547	6	JE1204	1	51
03/20/2017	3,876	210,547	6	JE1206	841	43,199
03/20/2017	3,876	210,547	6	JE1208	277	14,229
03/20/2017	3,876	210,547	6	JE1210	426	21,882
03/20/2017	3,876	210,547	6	GH1204	1,145	70,265
03/22/2017	1,784	29,736	2	KG1203	258	4,618
03/22/2017	1,784	29,736	2	KG1201	898	16,074
03/22/2017	413	5,947	1	LN1219	413	5,947
03/22/2017	1,784	29,736	1	LC1201	628	9,043
05/01/2017	2,024	122,584	3	MH1203	888	22,881
05/01/2017	2,024	122,584	3	MJ1204	896	78,639
05/01/2017	2,024	122,584	3	MJ1206	240	21,064
05/04/2017	10,478	506,119	5	AO1211	2,434	94,885

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
05/04/2017	10,478	506,119	5	AO1213	2,019	101,859
05/04/2017	10,478	506,119	5	AO1215	2,669	135,897
05/04/2017	10,478	506,119	5	AO1217	776	39,835
05/04/2017	10,478	506,119	5	AO1219	2,580	133,644
05/04/2017	2,440	15,697	1	AO1211	2,440	15,697
05/15/2017	1,685	178,340	3	BA1201	5	527
05/15/2017	1,685	178,340	3	BA1203	1,547	163,673
05/15/2017	1,685	178,340	3	BA1205	133	14,140
05/15/2017	2,903	315,094	1	BA1202	2,429	263,466
05/15/2017	29	2,640	2	BA1211	10	909
05/15/2017	29	2,640	2	BA1213	19	1,731
05/15/2017	2,903	315,094	2	BA1204	471	51,300
05/15/2017	2,903	315,094	2	BA1206	3	328
05/15/2017	5,087	101,740	4	BI1201	586	11,720
05/15/2017	5,087	101,740	4	BJ1202	2,305	46,100
05/15/2017	5,087	101,740	4	BJ1206	819	16,380
05/15/2017	5,087	101,740	4	BJ1204	1,377	27,540
05/27/2017	5,485	345,012	4	GG1202	1,265	60,088
05/27/2017	5,485	345,012	4	GG1204	898	42,655
05/27/2017	5,485	345,012	4	GH1201	2,166	187,359

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
05/27/2017	5,485	345,012	4	GS1204	1,156	54,910
06/14/2017	1,445	269,468	1	MB1201	1,445	269,468
06/18/2017	2,216	184,860	3	AM1202	259	12,972
06/18/2017	2,216	184,860	3	AM1202	1,622	112,594
06/18/2017	2,216	184,860	3	AM1202	335	59,295
06/18/2017	335	20,312	1	AM1202	335	20,312
06/18/2017	335	49,580	1	AM1202	335	49,580
06/29/2017	1,441	740,314	2	EF1202	874	449,018
06/29/2017	1,441	740,314	2	EF1206	567	291,296
07/10/2017	91	17,510	1	ED1202	91	17,510
07/11/2017	888	51,386	1	MH1203	888	51,386
07/11/2017	1,097	95,019	2	MJ1204	872	75,530
07/11/2017	1,097	95,019	2	MJ1206	225	19,489
07/11/2017	2,016	471,862	2	MG1203	869	6,431
07/11/2017	2,016	471,862	2	MG1205	1,009	336,300
07/11/2017	1,699	12,573	2	MK1206	35	259
07/11/2017	1,699	12,573	2	MK1204	1,664	12,314
07/11/2017	687	6,859	4	ML1206	197	1,967
07/11/2017	687	6,859	4	ML1204	65	649
07/11/2017	687	6,859	4	ML1202	1	10

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
07/11/2017	687	6,859	4	ML1208	424	4,233
07/11/2017	2,016	471,862	1	MG1205	138	129,131
07/11/2017	1,135	81,909	2	MJ1206	240	17,320
07/11/2017	1,135	81,909	2	MJ1204	895	64,589
07/11/2017	5,495	103,787	4	MH1202	401	7,332
07/11/2017	5,495	103,787	4	MH1204	2,474	49,356
07/11/2017	5,495	103,787	4	MH1208	1,236	19,096
07/11/2017	5,495	103,787	4	MH1206	1,384	28,003
08/01/2017	1,909	126,726	3	KE1201	483	32,063
08/01/2017	1,909	126,726	3	KE1202	1,046	69,437
08/01/2017	1,909	126,726	3	KE1203	380	25,226
08/24/2017	7,126	75,298	3	RF1203	1,856	19,612
08/24/2017	7,126	75,298	3	RF1201	2,496	26,374
08/24/2017	7,126	75,298	3	RF1209	2,774	29,312
08/24/2017	5,364	267,038	3	AZ1203	1,131	56,305
08/24/2017	5,364	267,038	3	AZ1205	4,188	208,493
08/24/2017	5,364	267,038	3	AZ1207	45	2,240
08/24/2017	2,643	131,577	3	AZ1204	35	1,742
08/24/2017	2,643	131,577	3	AZ1206	1,571	78,210
08/24/2017	2,643	131,577	3	AZ1208	1,037	51,625

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
10/09/2017	3,865	197,687	6	JE1210	427	22,980
10/09/2017	3,865	197,687	6	JE1208	278	14,961
10/09/2017	3,865	197,687	6	JE1206	833	44,829
10/09/2017	3,865	197,687	6	JE1204	1	54
10/09/2017	3,865	197,687	6	JE1202	1,180	63,504
10/09/2017	3,865	197,687	6	GH1204	1,146	51,360
11/05/2017	1,910	494,501	2	KE1201	482	127,055
11/05/2017	1,910	494,501	2	KE1202	1,045	268,147
11/05/2017	681	125,565	2	EC1201	626	115,424
11/05/2017	681	125,565	2	EC1202	55	10,141
11/05/2017	1,910	494,501	1	KE1203	383	99,299
12/29/2017	3,532	423,092	5	HD1204	691	82,908
12/29/2017	3,532	423,092	5	HD1206	616	73,910
12/29/2017	3,532	423,092	5	JV1202	233	27,723
12/29/2017	3,532	423,092	5	JV1204	456	54,256
12/29/2017	3,532	423,092	5	HD1202	1,536	184,294

5c. 4901:1-10-10(C)(2): Index values during transmission outages

01/10/2017 58.1834 0.0011 02/06/2017 6.4333 0.0075 02/06/2017 268.2004 0.0047 02/06/2017 29.0000 0.0005 02/06/2017 29.0000 0.0005 02/07/2017 374.8333 0.0002 02/24/2017 460.4833 0.0002 02/28/2017 7.0000 0.0009 02/28/2017 208.1667 0.0033 03/01/2017 78.5833 0.0033 03/01/2017 144.2833 0.0033 03/01/2017 13.7000 0.0007 03/01/2017 13.7000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 6.4333 0.0042 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 105.8396 0.0029 05/15/2017 105.8396 0.0029 05/1	Outage start date	CAIDI during outage	SAIFI during outage
02/06/2017 268.2004 0.0047 02/06/2017 29.0000 0.0005 02/06/2017 29.0000 0.0005 02/07/2017 374.8333 0.0002 02/24/2017 460.4833 0.0002 02/28/2017 7.0000 0.0009 02/28/2017 208.1667 0.0033 03/01/2017 78.5833 0.0033 03/01/2017 13.7000 0.0007 03/01/2017 13.7000 0.0007 03/01/2017 20.0000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 105.8396 0.0029 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06	01/10/2017	58.1834	0.0011
02/06/2017 29.0000 0.0005 02/06/2017 29.0000 0.0005 02/07/2017 374.8333 0.0002 02/24/2017 460.4833 0.0002 02/28/2017 7.0000 0.0009 02/28/2017 208.1667 0.0033 03/01/2017 78.5833 0.0033 03/01/2017 144.2833 0.0033 03/01/2017 13.7000 0.0007 03/01/2017 20.0000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 105.8396 0.0029 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06	02/06/2017	6.4333	0.0075
02/06/2017 29.0000 0.0005 02/07/2017 374.8333 0.0002 02/24/2017 460.4833 0.0002 02/28/2017 7.0000 0.0009 02/28/2017 208.1667 0.0033 03/01/2017 78.5833 0.0033 03/01/2017 144.2833 0.0033 03/01/2017 13.7000 0.0007 03/01/2017 20.0000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 148.0000 0.0006 0	02/06/2017	268.2004	0.0047
02/07/2017 374.8333 0.0002 02/24/2017 460.4833 0.0002 02/28/2017 7.0000 0.0009 02/28/2017 208.1667 0.0033 03/01/2017 78.5833 0.0033 03/01/2017 144.2833 0.0033 03/01/2017 13.7000 0.0007 03/01/2017 20.0000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 148.0000 0.0006 0	02/06/2017	29.0000	0.0005
02/24/2017 460.4833 0.0002 02/28/2017 7.0000 0.0009 02/28/2017 208.1667 0.0033 03/01/2017 78.5833 0.0033 03/01/2017 144.2833 0.0033 03/01/2017 13.7000 0.0007 03/01/2017 20.0000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/18/2017 148.0000 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	02/06/2017	29.0000	0.0005
02/28/2017 7.0000 0.0009 02/28/2017 208.1667 0.0033 03/01/2017 78.5833 0.0033 03/01/2017 144.2833 0.0033 03/01/2017 13.7000 0.0007 03/01/2017 20.0000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/18/2017 148.0000 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 148.0000 0.0006	02/07/2017	374.8333	0.0002
02/28/2017 208.1667 0.0033 03/01/2017 78.5833 0.0033 03/01/2017 144.2833 0.0033 03/01/2017 13.7000 0.0007 03/01/2017 20.0000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 148.0000 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 148.0000 0.0038	02/24/2017	460.4833	0.0002
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03/01/2017 144.2833 0.0033 03/01/2017 13.7000 0.0007 03/01/2017 20.0000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	02/28/2017	208.1667	0.0033
03/01/2017 13.7000 0.0007 03/01/2017 20.0000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 148.0000 0.0038	03/01/2017	78.5833	0.0033
03/01/2017 20.0000 0.0026 03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	03/01/2017	144.2833	0.0033
03/20/2017 54.3207 0.0066 03/22/2017 16.6679 0.0031 03/22/2017 14.4000 0.0007 05/01/2017 60.5651 0.0035 05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	03/01/2017	13.7000	0.0007
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05/04/2017 6.4333 0.0042 05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	03/22/2017	14.4000	0.0007
05/04/2017 48.3030 0.0179 05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	05/01/2017	60.5651	0.0035
05/15/2017 20.0000 0.0087 05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	05/04/2017	6.4333	0.0042
05/15/2017 91.0310 0.0000 05/15/2017 105.8396 0.0029 05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	05/04/2017	48.3030	0.0179
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05/15/2017 108.5406 0.0050 05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	05/15/2017	91.0310	0.0000
05/27/2017 62.9009 0.0094 06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	05/15/2017	105.8396	0.0029
06/14/2017 186.4833 0.0025 06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	05/15/2017	108.5406	0.0050
06/18/2017 60.6334 0.0006 06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	05/27/2017	62.9009	0.0094
06/18/2017 148.0000 0.0006 06/18/2017 83.4208 0.0038	06/14/2017	186.4833	0.0025
06/18/2017 83.4208 0.0038	06/18/2017	60.6334	0.0006
	06/18/2017	148.0000	0.0006
06/29/2017 513.7500 0.0025	06/18/2017	83.4208	0.0038
	06/29/2017	513.7500	0.0025

5c. 4901:1-10-10(C)(2): Index values during transmission outages

Outage start date	CAIDI during outage	SAIFI during outage
07/10/2017	192.4165	0.0002
07/11/2017	86.6167	0.0019
07/11/2017	72.1667	0.0019
07/11/2017	57.8667	0.0015
07/11/2017	234.0583	0.0035
07/11/2017	18.8876	0.0094
07/11/2017	7.4000	0.0029
07/11/2017	9.9833	0.0012
08/01/2017	66.3833	0.0033
08/24/2017	49.7833	0.0092
08/24/2017	49.7834	0.0045
08/24/2017	10.5667	0.0122
10/09/2017	51.1481	0.0066
11/05/2017	184.3834	0.0012
11/05/2017	258.9012	0.0033
12/29/2017	119.7883	0.0060

6a. 4901:1-10-10(C)(3)(a): Data excluding ma	ajor events a	nd transmission outages	Customers Minutes
Outage Cause	Events	Customers Interrupted	Interrupted
Animal/Bird	1,906	17,040	1,860,771
Blast/Explosion/Fire	1	1	75
Cold Load Pickup	6	401	108,515
Equipment/Hardware Failure	1,802	79,494	12,783,458
Forced Outage	614	65,478	3,519,076
High Winds	436	12,249	3,777,613
Ice/Sleet/Snow	3	95	22,210
Lightning	1,603	44,119	8,072,599
Other	45	1,948	154,856
Other Electric Utility	2	304	70,746
Overload	19	1,307	375,398
Personnel Error	41	976	78,865
Scheduled/Planned Outage	1,462	19,709	1,592,413
Transmission Trouble	0	0	0
Tree Trimmers, Company	2	85	33,907
Tree Trimmers, Customer	83	2,962	300,626
Trees Inside ROW	318	17,128	3,265,144
Trees Out of ROW	772	51,862	6,474,520
UG Const./Dig-Ins	112	3,624	733,434
Undesired Relay Operation	1	1,518	87,393
Unknown	977	31,126	3,365,480
Vandalism	49	3,199	135,938
Vehicle Accident	291	42,145	5,982,577

6a. 4901:1-10-10(C)(3)(a): Data excluding major events and transmission outages

Outage Cause		Events	Customers Interrupted	Customers Minutes Interrupted
Water/Moisture		1	3	2,983
	Totals:	10,546	396,773	52,798,598

6b. 4901:1-10-10(C)(3)(b): Data for major events only

6b. 4901.1-10-10(C)(3)(b). Data for i			Customers Minutes
Outage Cause Animal/Bird	Events 41	Customers Interrupted 311	Interrupted 97,507
Blast/Explosion/Fire	0	0	0
Cold Load Pickup	0	0	0
Equipment/Hardware Failure	98	24,585	3,925,458
Forced Outage	23	3,481	264,228
High Winds	508	33,846	30,320,279
Ice/Sleet/Snow	0	0	0
Lightning	238	14,256	2,809,793
Other	5	14	3,757
Other Electric Utility	0	0	0
Overload	2	223	5,306
Personnel Error	1	1	26
Scheduled/Planned Outage	17	185	24,856
Transmission Trouble	0	0	0
Tree Trimmers, Company	0	0	0
Tree Trimmers, Customer	1	1	300
Trees Inside ROW	162	8,066	5,496,191
Trees Out of ROW	193	37,013	11,278,652
UG Const./Dig-Ins	2	2	220
Undesired Relay Operation	0	0	0
Unknown	31	2,800	552,896
Vandalism	0	0	0
Vehicle Accident	0	0	0

6b. 4901:1-10-10(C)(3)(b): Data for major events only

Outage Cause		Events	Customers Interrupted	Customers Minutes Interrupted
Water/Moisture		0	0	0
	Totals:	1,322	124,784	54,779,468

6c. 4901:1-10-10(C)(3)(c): Data for transmission outages only

Outage Cause	Events	Customers Interrupted	Interrupted
Animal/Bird	0	0	0
Blast/Explosion/Fire	0	0	0
Cold Load Pickup	0	0	0
Equipment/Hardware Failure	11	25,207	1,970,968
Forced Outage	0	0	0
High Winds	1	1,097	95,018
lce/Sleet/Snow	0	0	0
Lightning	6	10,274	1,883,407
Other	0	0	0
Other Electric Utility	0	0	0
Overload	0	0	0
Personnel Error	0	0	0
Scheduled/Planned Outage	1	3,532	423,092
Transmission Trouble	20	48,366	2,400,520
Tree Trimmers, Company	0	0	0
Tree Trimmers, Customer	0	0	0
Trees Inside ROW	0	0	0
Trees Out of ROW	4	4,728	381,444
UG Const./Dig-Ins	0	0	0
Undesired Relay Operation	0	0	0
Unknown	0	0	0
Vandalism	0	0	0
Vehicle Accident	2	5,575	378,747

6c. 4901:1-10-10(C)(3)(c): Data for transmission outages only

Outage Cause		Events	Customers Interrupted	Interrupted
Water/Moisture		0	0	0
Notes:	Totals:	45	98,779	7,533,196

7. 4901:1-10-10(C)(4): Momentary Interro	uptions
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Total Number = 816

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Case No(s). 18-0995-EL-ESS

Summary: Annual Report Pursuant to Rule 4901:1-10-10 Electric Distribution System Reliability for the year 2017 electronically filed by Mr. Alan M. O'Meara on behalf of The Dayton Power and Light Company