



Legal Department

American Electric Power  
1 Riverside Plaza  
Columbus, OH 43215-2373  
AEP.com

April 15, 2020

Ms. Tanowa Troupe  
Docketing Division  
Public Utilities Commission of Ohio  
180 East Broad Street  
Columbus Ohio 43215-3793

Re: *In the Matter of the Long-Term Forecast Report of Ohio Power Company,  
and Related Matters, Case No. 20-501-EL-FOR*

Steven T. Nourse  
VP - Legal  
(614) 716-1608 (P)  
(614) 716-2014 (F)  
stnourse@aep.com

Dear Ms. Troupe:

I am submitting the enclosed 2020 Long-Term Forecast Report ("LTFR") on behalf of Ohio Power Company, ("AEP Ohio") pursuant to Section 4935.04 of the Ohio Revised Code. I have e-mailed a copy of AEP Ohio 2020 LTFR to the Office of the Ohio Consumers' Counsel consistent with the Attorney Examiner's April 6, 2020 Entry in this proceeding.

Thank you for your attention to this matter.

Respectfully Submitted,

/s/ Steven T. Nourse  
Steven T. Nourse (0046705)

*Counsel for Ohio Power Company*

**AEP OHIO**

**LONG-TERM FORECAST REPORT  
TO THE  
PUBLIC UTILITIES COMMISSION OF  
OHIO**

Case No. 20-501-EL-FOR

**2020  
ELECTRIC**

**LONG-TERM FORECAST REPORT  
TO THE  
PUBLIC UTILITIES COMMISSION OF OHIO**

**Submitted by**

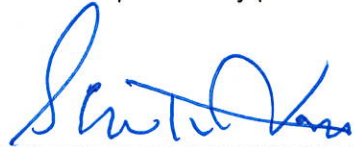
**AEP Ohio  
850 Tech Center Drive  
Gahanna, Ohio 43230  
Telephone: (614) 716-1000**

**April 15, 2020**

## CERTIFICATE OF SERVICE

I hereby certify that:

1. Pursuant of Section 4901:5-1-03(F), Ohio Administrative Code, copies of AEP Ohio's 2020 Long-Term Forecast Report have been delivered or mailed to the Office of Consumers' Counsel on the day of the filing;
2. Pursuant to Section 4901:5-1-03(G), Ohio Administrative Code, a letter of notification stating where copies of AEP Ohio's 2020 Long-Term Forecast Report to the Public Utilities Commission of Ohio may be obtained, will be sent by first class mail to the appropriate county libraries within three days of filing;
3. Pursuant to Section 4901:5-1-03(H), Ohio Administrative Code, AEP Ohio will keep at least one copy of its 2020 Long-Term Forecast Report at their principal business office for public inspection during business hours; and
4. Pursuant to Section 4901:5-1-03(I), Ohio Administrative Code, AEP Ohio will provide a copy of its 2020 Long-Term Forecast report to any person upon request at a cost to cover the expenses incurred.



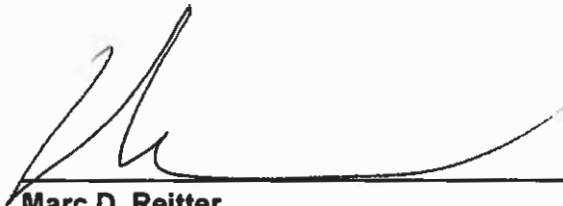
---

Steve T. Nourse  
American Electric Power Service Corporation  
1 Riverside Plaza  
Columbus, Ohio 43215  
(614) 716-1608

April 15, 2020  
Dated this day in Columbus, Ohio

**STATEMENT PURSUANT TO SECTION 4901:5-1-03(D),  
OHIO ADMINISTRATIVE CODE**

**AEP Ohio's 2020 Long-Term Forecast Report is true and correct to the best of my  
knowledge and belief.**

A handwritten signature in black ink, appearing to read 'M. Reitter', is written over a horizontal line.

**Marc D. Reitter  
Vice President – Regulatory and Finance  
AEP Ohio**

**April 15, 2020  
Dated this day in Columbus, Ohio**

## **TABLE OF CONTENTS**

	<u>Page</u>
Transmission Forms.....	1
Distribution Forms.....	99
Resource Forms.....	108
Appendix – List of Libraries .....	119

**AEP OHIO LTFR  
TRANSMISSION FORMS**

Company: AEP Ohio  
PUCO Form FE-T1:  
Transmission Energy Delivery Forecast  
(Megawatt-Hours Per Year)<sup>a</sup>

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
				(1)+(2)			(4)+(5)	(3)+(6)			(8)+(9)	(7) - (10)		(11) - (12)
		Energy Receipts from Generation Sources Connected to the Owner's System Inside Ohio	Energy Receipts from Generation Sources Connected to the System Outside Ohio	Total Energy Receipts from Generation Sources	Energy Receipts at Interconnections with Other Transmission Companies Inside Ohio	Energy Receipts at Interconnections with Other Transmission Companies Outside Ohio	Total Energy Receipts at Interconnections	Total Energy Receipts	Energy Deliveries at Interconnections with Other Transmission Companies Inside Ohio	Energy Deliveries at Interconnections with Other Transmission Companies Outside Ohio	Total Energy Deliveries at Interconnections	Total Energy Deliveries For Load Connected to the System	Energy Deliveries For Loads Connected to the System Inside Ohio	Energy Deliveries For Loads Connected to the System Outside Ohio
Year														
-5	2015	59,992,484	12,209,779	72,202,262	11,871,109	33,676,549	45,547,658	117,749,921	19,654,683	38,748,629	58,403,313	59,346,608	55,589,871	3,756,737
-4	2016	58,911,112	13,615,540	72,526,651	11,936,640	29,094,411	41,031,050	113,557,702	22,212,300	31,655,996	53,868,296	59,689,406	55,798,660	3,890,745
-3	2017	57,597,177	13,800,835	71,398,012	12,396,688	24,633,562	37,030,250	108,428,262	21,167,471	28,469,178	49,636,649	58,791,613	54,759,110	4,032,503
-2	2018	63,791,368	11,835,688	75,627,056	11,375,081	33,710,926	45,086,008	120,713,064	24,149,410	35,553,028	59,702,438	61,010,625	56,744,732	4,265,894
-1	2019	62,432,061	9,178,332	71,610,393	11,520,768	29,194,524	40,715,291	112,325,684	25,827,867	26,414,458	52,242,325	60,083,359	55,968,593	4,114,766
0	2020	63,396,834	9,320,166	72,717,000	11,698,800	29,645,671	41,344,472	114,061,472	26,226,990	26,822,645	53,049,635	61,011,837	56,480,261	4,531,577
1	2021	63,636,881	9,355,456	72,992,337	11,743,097	29,757,922	41,501,019	114,493,356	26,326,296	26,924,207	53,250,503	61,242,853	56,705,642	4,537,211
2	2022	63,948,466	9,401,263	73,349,729	11,800,594	29,903,626	41,704,220	115,053,950	26,455,198	27,056,036	53,511,233	61,542,717	56,989,703	4,553,014
3	2023	64,036,297	9,414,176	73,450,472	11,816,802	29,944,697	41,761,499	115,211,971	26,491,533	27,093,196	53,584,728	61,627,243	57,051,311	4,575,932
4	2024	64,188,213	9,436,509	73,624,723	11,844,836	30,015,737	41,860,572	115,485,295	26,554,380	27,157,471	53,711,850	61,773,445	57,167,971	4,605,474
5	2025	64,290,962	9,451,615	73,742,576	11,863,796	30,063,784	41,927,580	115,670,156	26,596,886	27,200,942	53,797,829	61,872,327	57,239,367	4,632,960
6	2026	64,337,628	9,458,475	73,796,104	11,872,408	30,085,606	41,958,014	115,754,118	26,616,192	27,220,687	53,836,879	61,917,239	57,259,212	4,658,027
7	2027	64,447,765	9,474,667	73,922,432	11,892,731	30,137,109	42,029,840	115,952,272	26,661,755	27,267,285	53,929,040	62,023,232	57,339,980	4,683,252
8	2028	64,681,567	9,509,039	74,190,605	11,935,875	30,246,439	42,182,315	116,372,920	26,758,478	27,366,204	54,124,682	62,248,238	57,539,105	4,709,133
9	2029	64,982,267	9,553,246	74,535,512	11,991,365	30,387,053	42,378,417	116,913,930	26,882,876	27,493,428	54,376,304	62,537,626	57,793,562	4,744,064
10	2030	65,202,921	9,585,685	74,788,606	12,032,082	30,490,235	42,522,318	117,310,923	26,974,160	27,586,784	54,560,944	62,749,979	57,977,788	4,772,190

(a) To be filled out by electric transmission owners operating in Ohio.

Notes

- (1) Historical data based on metered quantities.
- (2) Data excludes TDUs (transmission-dependent-utilities) wholly within Company's control area.
- (3) With regard to interconnections with multistate utilities (e.g. Duke, First Energy), the location of the meter, inside/outside Ohio, was the determining factor for columns (4) & (5) data.



Company: AEP System East Zone  
PUCO Form FE-T1:  
Transmission Energy Delivery Forecast  
(Megawatt-Hours Per Year)<sup>a</sup>

		(1)	(2)	(3) (1)+(2)	(4)	(5)	(6) (4)+(5)	(7) (3)+(6)	(8)	(9)	(10) (8)+(9)	(11) (7) - (10)	(12)	(13) (11) - (12)
		Energy Receipts from Generation Sources Connected to the Owner's System Inside Ohio	Energy Receipts from Generation Sources Connected to the System Outside Ohio	Total Energy Receipts from Generation Sources	Energy Receipts at Interconnections with Other Transmission Companies Inside Ohio	Energy Receipts at Interconnections with Other Transmission Companies Outside Ohio	Total Energy Receipts at Interconnections	Total Energy Receipts	Energy Deliveries at Interconnections with Other Transmission Companies Inside Ohio	Energy Deliveries at Interconnections with Other Transmission Companies Outside Ohio	Total Energy Deliveries at Interconnections	Total Energy Deliveries For Load Connected to the System	Energy Deliveries For Loads Connected to the System Inside Ohio	Energy Deliveries For Loads Connected to the System Outside Ohio
Year														
-5	2015	59,992,484	78,718,213	138,710,697	11,871,109	54,057,730	65,928,840	204,639,537	19,654,683	55,009,272	74,663,955	129,975,581	55,589,871	74,385,710
-4	2016	58,911,112	79,603,809	138,514,921	11,936,640	47,878,567	59,815,206	198,330,127	22,212,300	46,547,657	68,759,956	129,570,171	55,798,660	73,771,510
-3	2017	57,597,177	81,708,101	139,305,278	12,396,688	48,760,428	61,157,116	200,462,394	21,169,897	52,759,870	73,929,767	126,532,627	54,759,110	71,773,518
-2	2018	63,791,368	83,951,408	147,742,776	11,375,081	64,527,289	67,619,495	215,362,271	24,149,410	58,950,295	83,099,705	132,262,566	56,744,732	75,517,834
-1	2019	62,432,061	79,740,475	142,172,536	11,520,768	53,006,521	64,527,289	206,699,824	25,827,867	52,897,910	78,725,778	127,974,046	55,968,593	72,005,454
0	2020	62,737,594	80,130,713	142,868,308	11,577,149	53,265,927	64,843,076	207,711,383	25,954,265	53,156,785	79,111,050	128,600,333	56,480,261	72,120,072
1	2021	62,950,131	80,402,172	143,352,303	11,616,369	53,446,376	65,062,745	208,415,047	26,042,191	53,336,864	79,379,055	129,035,992	56,705,642	72,330,350
2	2022	63,167,142	80,679,346	143,846,488	11,656,414	53,630,624	65,287,039	209,133,527	26,131,967	53,520,735	79,652,702	129,480,824	56,989,703	72,491,122
3	2023	63,214,356	80,739,650	143,954,007	11,665,127	53,670,711	65,335,838	209,289,844	26,151,499	53,560,739	79,712,239	129,577,605	57,051,311	72,526,294
4	2024	63,279,310	80,822,612	144,101,922	11,677,113	53,725,859	65,402,972	209,504,894	26,178,371	53,615,774	79,794,145	129,710,749	57,167,971	72,542,778
5	2025	63,347,318	80,909,474	144,256,793	11,689,663	53,783,599	65,473,262	209,730,054	26,206,505	53,673,397	79,879,902	129,850,153	57,239,367	72,610,786
6	2026	63,364,148	80,930,970	144,295,117	11,692,768	53,797,888	65,490,656	209,785,773	26,213,468	53,687,656	79,901,123	129,884,650	57,259,212	72,625,438
7	2027	63,413,604	80,994,137	144,407,741	11,701,895	53,839,878	65,541,772	209,949,514	26,233,927	53,729,560	79,963,487	129,986,026	57,339,980	72,646,047
8	2028	63,557,361	81,177,749	144,735,111	11,728,423	53,961,932	65,690,354	210,425,465	26,293,399	53,851,364	80,144,763	130,280,702	57,539,105	72,741,597
9	2029	63,752,181	81,426,580	145,178,761	11,764,373	54,127,339	65,891,712	211,070,473	26,373,995	54,016,432	80,390,427	130,680,046	57,793,562	72,886,484
10	2030	63,854,397	81,557,133	145,411,530	11,783,235	54,214,123	65,997,358	211,408,888	26,416,281	54,103,038	80,519,319	130,889,568	57,977,788	72,911,780

(a) To be filled out by electric transmission owners operating in Ohio.

Notes

(1) Historical data based on metered quantities.

(2) Data excludes TDUs (transmission-dependent-utilities) wholly within Company's control area.

PUCO Form FE-T2: AEP Ohio (Ohio Service Area)  
Electric Transmission Owner's System Seasonal Peak Load Demand Forecast  
(Megawatts)<sup>a</sup>

		Native Load <sup>b</sup>		Internal Load <sup>c</sup>	
	Year	Summer	Winter <sup>d</sup>	Summer	Winter <sup>d</sup>
-5	2015	9,925	8,872	9,925	8,872
-4	2016	10,109	8,920	10,109	8,920
-3	2017	9,693	9,004	9,693	9,004
-2	2018	10,001	9,118	10,001	9,118
-1	2019	9,853	8,926	9,853	8,926
0	2020	10,280	8,968	10,280	8,968
1	2021	10,290	9,002	10,290	9,002
2	2022	10,330	9,001	10,330	9,001
3	2023	10,340	9,024	10,340	9,024
4	2024	10,371	9,019	10,371	9,019
5	2025	10,380	9,018	10,380	9,018
6	2026	10,393	9,025	10,393	9,025
7	2027	10,415	9,065	10,415	9,065
8	2028	10,471	9,076	10,471	9,076
9	2029	10,508	9,100	10,508	9,100
10	2030	10,553	9,128	10,553	9,128

(a) To be filled out by electric transmission owners in Ohio.

(b) Excludes interruptible load.

(c) Includes interruptible load.

(d) Winter load reference is to peak loads which follow the summer peak load.

PUCO Form FE-T2: AEP Ohio  
Electric Transmission Owner's System Seasonal Peak Load Demand Forecast  
(Megawatts)<sup>a</sup>

		Native Load <sup>b</sup>		Internal Load <sup>c</sup>	
	Year	Summer	Winter <sup>d</sup>	Summer	Winter <sup>d</sup>
-5	2015	10,436	9,420	10,436	9,420
-4	2016	10,668	9,413	10,668	9,413
-3	2017	10,240	9,566	10,240	9,566
-2	2018	10,586	9,713	10,586	9,713
-1	2019	10,442	9,486	10,442	9,486
0	2020	10,922	9,533	10,922	9,533
1	2021	10,930	9,567	10,930	9,567
2	2022	10,973	9,566	10,973	9,566
3	2023	10,986	9,590	10,986	9,590
4	2024	11,022	9,589	11,022	9,589
5	2025	11,034	9,591	11,034	9,591
6	2026	11,050	9,601	11,050	9,601
7	2027	11,075	9,644	11,075	9,644
8	2028	11,135	9,655	11,135	9,655
9	2029	11,176	9,683	11,176	9,683
10	2030	11,226	9,714	11,226	9,714

(a) To be filled out by electric transmission owners in Ohio.

(b) Excludes interruptible load.

(c) Includes interruptible load.

(d) Winter load reference is to peak loads which follow the summer peak load.

Note: Wheeling Power Company ceased being a customer of AEP Ohio (1/1/14). However, Wheeling Power Company remains interconnected to the AEP Ohio transmission system.

PUCO Form FE-T2: AEP System - East Zone  
Electric Transmission Owner's System Seasonal Peak Load Demand Forecast  
(Megawatts)<sup>a</sup>

		Native Load <sup>b</sup>		Internal Load <sup>c</sup>	
	Year	Summer	Winter <sup>d</sup>	Summer	Winter <sup>d</sup>
-5	2015	21,602	22,060	21,876	22,256
-4	2016	22,096	21,230	22,488	21,613
-3	2017	21,268	22,376	21,660	22,759
-2	2018	21,896	22,161	22,251	22,514
-1	2019	21,407	21,618	21,762	21,971
0	2020	22,090	21,683	22,445	22,036
1	2021	22,088	21,728	22,443	22,081
2	2022	22,156	21,709	22,511	22,062
3	2023	22,179	21,719	22,534	22,072
4	2024	22,230	21,712	22,585	22,065
5	2025	22,250	21,693	22,605	22,046
6	2026	22,267	21,685	22,622	22,038
7	2027	22,296	21,721	22,651	22,074
8	2028	22,380	21,723	22,735	22,076
9	2029	22,445	21,739	22,800	22,092
10	2030	22,504	21,764	22,859	22,117

(a) To be filled out by electric transmission owners in Ohio.

(b) Excludes interruptible load.

(c) Includes interruptible load.

(d) Winter load reference is to peak loads which follow the summer peak load.

PUCO Form FE-T3: AEP Ohio  
Electric Transmission Owner's Total Monthly Energy Forecast  
(Megawatt-Hours/Month)

	Ohio Portion <sup>a</sup>	Total Service Area <sup>b</sup>	Total System <sup>c</sup>
Year 0 <sup>d</sup>			
January	5,261,682	5,642,935	12,328,014
February	4,747,507	5,101,186	11,139,981
March	4,734,379	5,124,110	10,883,979
April	4,183,063	4,540,971	9,518,253
May	4,303,105	4,677,970	9,737,611
June	4,783,605	5,157,175	10,625,867
July	5,213,685	5,593,598	11,603,883
August	5,195,117	5,582,524	11,462,993
September	4,516,152	4,891,156	10,025,091
October	4,273,961	4,655,294	9,671,851
November	4,350,077	4,721,987	10,037,806
December	4,917,927	5,322,933	11,565,003
Year 1			
January	5,261,280	5,643,624	12,306,691
February	4,648,676	4,993,251	10,859,987
March	4,775,837	5,170,702	10,956,876
April	4,203,434	4,564,778	9,556,632
May	4,328,414	4,704,432	9,775,861
June	4,812,675	5,186,738	10,705,549
July	5,226,442	5,605,718	11,655,675
August	5,241,401	5,630,160	11,582,855
September	4,546,787	4,922,648	10,107,147
October	4,298,878	4,680,045	9,726,686
November	4,395,477	4,768,252	10,138,904
December	4,966,343	5,372,504	11,663,128

(a) Electric transmission owner shall provide or cause to be provided data for the Ohio portion of its service area in this column.

(b) Electric transmission owner operating across Ohio boundaries shall provide or cause to be provided data for the total service area in this column.

(c) Electric transmission owner operating as a part of an integrated operating system shall provide for the total system in this column.

(d) Actual data shall be indicated with an asterisk (\*).

Note: Wheeling Power Company ceased being a customer of AEP Ohio (1/1/14). However, Wheeling Power Company remains interconnected to the AEP Ohio transmission system

PUCO Form FE-T4: AEP Ohio  
Electric Transmission Owner's Monthly Internal Peak Load Forecast

	Ohio Portion <sup>a</sup>	Total Service Area <sup>b</sup>	System <sup>c</sup>
Year 0 <sup>d</sup>			
January	8,926	9,486	21,971
February	8,546	9,114	21,934
March	7,843	8,395	18,333
April	7,334	7,872	16,748
May	8,295	8,880	18,350
June	9,348	9,906	19,955
July	10,280	10,922	22,445
August	10,088	10,725	22,047
September	9,940	10,573	21,210
October	7,310	7,876	16,586
November	7,588	8,135	18,206
December	8,091	8,660	19,427
Year 1 <sup>d</sup>			
January	8,968	9,533	22,036
February	8,578	9,149	21,989
March	7,873	8,431	18,401
April	7,384	7,927	16,821
May	8,321	8,909	18,397
June	9,368	9,927	19,961
July	10,290	10,930	22,443
August	10,099	10,735	22,050
September	9,955	10,589	21,219
October	7,384	7,951	16,661
November	7,643	8,189	18,240
December	8,152	8,721	19,468

(a) Electric transmission owner shall provide or cause to be provided data for the Ohio portion of its service area in this column.

(b) Electric transmission owner operating across Ohio boundaries shall provide or cause to be provided data for the total service area in this column.

(c) Electric transmission owner operating as a part of an integrated operating system shall provide data for the total system in this column.

(d) Actual data shall be indicated with an asterisk (\*).

(1) Data reflect monthly peak internal load for the transmission system.

Note: Wheeling Power Company ceased being a customer of AEP Ohio (1/1/14). However, Wheeling Power Company remains interconnected to the AEP Ohio transmission system.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy  
Reporting Month: January 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			7,769,090
Energy Receipts from other sources			4,338,647
Total Energy Receipts			12,107,737

Reporting Month: February 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			6,162,858
Energy Receipts from other sources			3,245,284
Total Energy Receipts			9,408,142

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy

Reporting Month: March 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			6,058,395
Energy Receipts from other sources			3,919,731
Total Energy Receipts			9,978,125

Reporting Month: April 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			4,109,436
Energy Receipts from other sources			3,411,817
Total Energy Receipts			7,521,253

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.



Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy  
Reporting Month: May 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			5,591,800
Energy Receipts from other sources			3,121,547
Total Energy Receipts			8,713,347

Reporting Month: June 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			6,264,448
Energy Receipts from other sources			3,064,037
Total Energy Receipts			9,328,484

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy  
Reporting Month: July 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			7,044,335
Energy Receipts from other sources			3,436,621
Total Energy Receipts			10,480,956

Reporting Month: August 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			6,583,061
Energy Receipts from other sources			3,120,451
Total Energy Receipts			9,703,512

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy

Reporting Month: September 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			5,747,121
Energy Receipts from other sources			3,050,997
Total Energy Receipts			8,798,117

Reporting Month: October 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			4,791,098
Energy Receipts from other sources			3,022,126
Total Energy Receipts			7,813,224

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy  
Reporting Month: November 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			5,117,541
Energy Receipts from other sources			3,470,295
Total Energy Receipts			8,587,835

Reporting Month: December 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			6,371,211
Energy Receipts from other sources			3,513,739
Total Energy Receipts			9,884,949

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: January 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,956,813
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			600,519
Municipal-Owned Electric Systems			308,840
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			6,514,062
Total Energy Deliveries			11,380,234

Reporting Month: January 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,956,813
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			600,519
Municipally-Owned Electric Systems			308,840
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			2,538,379
Total Energy Deliveries			7,404,551

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: February 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,404,037
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			504,643
Municipal-Owned Electric Systems			270,072
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			4,541,794
Total Energy Deliveries			8,720,546

Reporting Month: February 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,404,037
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			504,643
Municipally-Owned Electric Systems			270,072
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			2,036,244
Total Energy Deliveries			6,214,996

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: March 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,945,204
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			519,657
Municipal-Owned Electric Systems			285,526
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			4,894,905
Total Energy Deliveries			9,645,292

Reporting Month: March 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,945,204
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			519,657
Municipally-Owned Electric Systems			285,526
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			2,176,898
Total Energy Deliveries			6,927,285

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: April 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,055,015
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			403,388
Municipal-Owned Electric Systems			259,243
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			3,134,765
Total Energy Deliveries			6,852,411

Reporting Month: April 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,055,015
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			403,388
Municipally-Owned Electric Systems			259,243
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			1,702,744
Total Energy Deliveries			5,420,390

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.



Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: May 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,424,252
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			418,264
Municipal-Owned Electric Systems			272,402
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			4,013,102
Total Energy Deliveries			8,128,020

Reporting Month: May 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,424,252
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			418,264
Municipally-Owned Electric Systems			272,402
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			1,899,290
Total Energy Deliveries			6,014,208

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: June 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,441,142
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			436,631
Municipal-Owned Electric Systems			281,545
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			4,515,288
Total Energy Deliveries			8,674,606

Reporting Month: June 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,441,142
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			436,631
Municipally-Owned Electric Systems			281,545
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			2,274,507
Total Energy Deliveries			6,433,825

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: July 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			4,483,586
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			572,442
Municipal-Owned Electric Systems			321,078
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			4,635,330
Total Energy Deliveries			10,012,436

Reporting Month: July 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			4,483,586
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			572,442
Municipally-Owned Electric Systems			321,078
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			2,687,540
Total Energy Deliveries			8,064,646

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: August 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,857,692
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			515,810
Municipal-Owned Electric Systems			292,739
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			4,302,787
Total Energy Deliveries			8,969,028

Reporting Month: August 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,857,692
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			515,810
Municipally-Owned Electric Systems			292,739
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			2,495,463
Total Energy Deliveries			7,161,704

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: September 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,562,863
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			470,332
Municipal-Owned Electric Systems			288,723
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			3,809,446
Total Energy Deliveries			8,131,363

Reporting Month: September 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,562,863
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			470,332
Municipally-Owned Electric Systems			288,723
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			2,139,818
Total Energy Deliveries			6,461,735

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: October 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,344,771
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			432,010
Municipal-Owned Electric Systems			279,156
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			3,270,988
Total Energy Deliveries			7,326,925

Reporting Month: October 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,344,771
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			432,010
Municipally-Owned Electric Systems			279,156
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			1,710,012
Total Energy Deliveries			5,765,948

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: November 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,496,411
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			499,472
Municipal-Owned Electric Systems			276,983
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			3,801,970
Total Energy Deliveries			8,074,836

Reporting Month: November 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,496,411
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			499,472
Municipally-Owned Electric Systems			276,983
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			1,992,951
Total Energy Deliveries			6,265,817

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: December 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies <sup>b</sup>			3,566,698
Other Investor-Owned Electric Utilities			0
Cooperative-Owned Electric Systems			526,708
Municipal-Owned Electric Systems			288,532
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			4,807,889
Total Energy Deliveries			9,189,827

Reporting Month: December 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			3,566,698
Other Investor-Owned Electric Utilities			0
Cooperatively-Owned Electric System			526,708
Municipally-Owned Electric Systems			288,532
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			2,174,022
Total Energy Deliveries			6,555,960

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes deliveries to Wheeling Power, an AEP System affiliate.



Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For (MWh)

Reporting Month: January 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			727,503

Reporting Month: February 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			687,596

Reporting Month: March 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			332,834

a. FE-T5 Part A minus FE-T5 Part B (1).

1. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For (MWh)

Reporting Month: April 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			668,842

Reporting Month: May 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			585,327

Reporting Month: June 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			653,878

a. FE-T5 Part A minus FE-T5 Part B (1).

1. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For (MWh)

Reporting Month: July 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			468,521

Reporting Month: August 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			734,484

Reporting Month: September 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			666,754

a. FE-T5 Part A minus FE-T5 Part B (1).

1. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP Ohio  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For (MWh)

Reporting Month: October 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			486,300

Reporting Month: November 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			513,000

Reporting Month: December 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			695,122

a. FE-T5 Part A minus FE-T5 Part B (1).

1. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy

Reporting Month: January 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			15,180,145
Energy Receipts from other sources			6,383,012
Total Energy Receipts			21,563,157

Reporting Month: February 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			12,083,852
Energy Receipts from other sources			4,890,243
Total Energy Receipts			16,974,096

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy

Reporting Month: March 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			11,613,034
Energy Receipts from other sources			6,008,802
Total Energy Receipts			17,621,836

Reporting Month: April 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			9,458,000
Energy Receipts from other sources			5,392,283
Total Energy Receipts			14,850,283

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy

Reporting Month: May 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			11,636,966
Energy Receipts from other sources			4,171,291
Total Energy Receipts			15,808,256

Reporting Month: June 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			11,830,998
Energy Receipts from other sources			4,579,403
Total Energy Receipts			16,410,400

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy

Reporting Month: July 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			14,439,888
Energy Receipts from other sources			4,944,177
Total Energy Receipts			19,384,065

Reporting Month: August 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			12,915,628
Energy Receipts from other sources			5,127,619
Total Energy Receipts			18,043,247

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.



Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy

Reporting Month: September 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			11,749,501
Energy Receipts from other sources			5,070,872
Total Energy Receipts			16,820,373

Reporting Month: October 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			9,288,537
Energy Receipts from other sources			5,594,190
Total Energy Receipts			14,882,727

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy

Reporting Month: November 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			10,355,821
Energy Receipts from other sources			6,449,319
Total Energy Receipts			16,805,140

Reporting Month: December 2019

1. Energy Receipts From All Sources by Type: (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts from Power Plants directly connected to the Electric Transmission Owner's transmission system <sup>b</sup>			11,620,167
Energy Receipts from other sources			5,916,077
Total Energy Receipts			17,536,243

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

b. Includes power plants (IPPs) of non-affiliated companies.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: January 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			9,927,390
Other Investor-Owned Electric Utilities			61,537
Cooperative-Owned Electric Systems			811,507
Municipal-Owned Electric Systems			587,212
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			9,255,851
Total Energy Deliveries			20,643,497

Reporting Month: January 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: February 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			8,416,374
Other Investor-Owned Electric Utilities			47,667
Cooperative-Owned Electric Systems			699,950
Municipal-Owned Electric Systems			519,078
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			6,501,588
Total Energy Deliveries			16,184,657

Reporting Month: February 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: March 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			9,454,279
Other Investor-Owned Electric Utilities			50,567
Cooperative-Owned Electric Systems			720,477
Municipal-Owned Electric Systems			525,590
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			6,663,752
Total Energy Deliveries			17,414,663

Reporting Month: March 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: April 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			7,443,501
Other Investor-Owned Electric Utilities			36,457
Cooperative-Owned Electric Systems			581,341
Municipal-Owned Electric Systems			443,758
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			5,558,762
Total Energy Deliveries			14,063,819

Reporting Month: April 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: May 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			8,111,103
Other Investor-Owned Electric Utilities			37,327
Cooperative-Owned Electric Systems			597,329
Municipal-Owned Electric Systems			480,722
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			5,883,174
Total Energy Deliveries			15,109,654

Reporting Month: May 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: June 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			8,137,332
Other Investor-Owned Electric Utilities			36,837
Cooperative-Owned Electric Systems			623,788
Municipal-Owned Electric Systems			518,123
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			6,280,106
Total Energy Deliveries			15,596,186

Reporting Month: June 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.



Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: July 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			10,253,905
Other Investor-Owned Electric Utilities			45,401
Cooperative-Owned Electric Systems			798,677
Municipal-Owned Electric Systems			615,889
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			7,301,992
Total Energy Deliveries			19,015,865

Reporting Month: July 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: August 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			9,211,463
Other Investor-Owned Electric Utilities			43,069
Cooperative-Owned Electric Systems			730,910
Municipal-Owned Electric Systems			563,921
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			6,672,872
Total Energy Deliveries			17,222,234

Reporting Month: August 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: September 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			8,364,629
Other Investor-Owned Electric Utilities			39,087
Cooperative-Owned Electric Systems			669,868
Municipal-Owned Electric Systems			542,418
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			6,334,918
Total Energy Deliveries			15,950,919

Reporting Month: September 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: October 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			8,041,885
Other Investor-Owned Electric Utilities			37,223
Cooperative-Owned Electric Systems			614,961
Municipal-Owned Electric Systems			482,600
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			5,294,113
Total Energy Deliveries			14,470,783

Reporting Month: October 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: November 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			8,629,637
Other Investor-Owned Electric Utilities			48,578
Cooperative-Owned Electric Systems			696,940
Municipal-Owned Electric Systems			511,665
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			6,436,994
Total Energy Deliveries			16,323,814

Reporting Month: November 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: December 2019

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution Service:			
Affiliated Electric Utility Companies			8,794,190
Other Investor-Owned Electric Utilities			53,006
Cooperative-Owned Electric Systems			741,698
Municipal-Owned Electric Systems			538,832
Federal and State Electric Agencies			0
Other End User Service			0
For Non Distribution Service (Transmission to Transmission Service)			6,541,657
Total Energy Deliveries			16,669,384

Reporting Month: December 2019

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)<sup>a</sup>

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service			
For Non Distribution Service (Transmission to Transmission Service)			
Total Energy Deliveries			

a. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For (MWh)

Reporting Month: January 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			919,660

Reporting Month: February 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			789,439

Reporting Month: March 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			207,173

a. FE-T5 Part A minus FE-T5 Part B (1).

1. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For (MWh)

Reporting Month: April 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			786,463

Reporting Month: May 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			698,602

Reporting Month: June 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			814,214

a. FE-T5 Part A minus FE-T5 Part B (1).

1. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.



Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For (MWh)

Reporting Month: July 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			368,201

Reporting Month: August 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			821,012

Reporting Month: September 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			869,454

a. FE-T5 Part A minus FE-T5 Part B (1).

1. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP System - East Zone  
PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For (MWh)

Reporting Month: October 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			411,944

Reporting Month: November 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			481,326

Reporting Month: December 2019

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total <sup>1</sup>
Sources minus Delivery <sup>a</sup>			866,860

a. FE-T5 Part A minus FE-T5 Part B (1).

1. All data based on metered quantities; thus, differentiation between "firm" and "non-firm" transmission services is not feasible.

Company: AEP Ohio  
PUCO Form FE-T6  
Conditions at Time of Monthly Peak  
(Megawatts)

Date Mo/Day/Yr	Time Hr/Min	Peak MWs	Scheduled Transmission Outages (Y/N)	Unscheduled Transmission Outages (Y/N)	Emergency Operating Procedures
1/30/2019	11:00	9059	Y	Y	Y
2/1/2019	11:00	8424	Y	Y	Y
3/5/2019	8:00	8721	Y	Y	Y
4/1/2019	7:00	7448	Y	Y	Y
5/28/2019	16:00	8554	Y	Y	Y
6/28/2019	16:00	9307	Y	Y	Y
7/15/2019	17:00	9926	Y	Y	Y
8/20/2019	14:00	9545	Y	Y	Y
9/13/2019	16:00	9993	Y	Y	Y
10/1/2019	14:00	9003	Y	Y	N
11/13/2019	8:00	7711	Y	Y	Y
12/19/2019	8:00	8426	Y	Y	Y

1. All dates and times are in EST, total transmission load for AEP Ohio plus Wheeling Power

Company: AEP System - East Zone  
PUCO Form FE-T6  
Conditions at Time of Monthly Peak  
(Megawatts)

Date Mo/Day/Yr	Time Hr/Min	Peak MWs	Scheduled Transmission Outages (Y/N)	Unscheduled Transmission Outages (Y/N)	Emergency Operating Procedures
1/31/2019	8:00	22207	Y	Y	Y
2/1/2019	8:00	20099	Y	Y	Y
3/6/2019	8:00	20784	Y	Y	Y
4/1/2019	7:00	17914	Y	Y	Y
5/28/2019	16:00	18958	Y	Y	Y
6/28/2019	16:00	20279	Y	Y	Y
7/15/2019	16:00	21802	Y	Y	Y
8/20/2019	14:00	20783	Y	Y	Y
9/11/2019	15:00	21339	Y	Y	Y
10/1/2019	16:00	20371	Y	Y	Y
11/13/2019	8:00	19658	Y	Y	Y
12/19/2019	8:00	20380	Y	Y	Y

1. All dates and times are in EST, transmission system load for AEP East Zone.

PUCO Form FE-T7: AEP Ohio Power  
Characteristics of Existing Transmission Lines

Transmission Name & Line No. <sup>a</sup>	Point of (Origin - Terminus) Indicate Location of Line's Beginning and Terminus	Summer Capability		Winter Capability		Operating Voltage (kV) Indicate Design Voltage and Operating Voltage For Each Line	Design Voltage (kV)	Right-of-Way		Type of Supporting Structure Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure	Number of Circuits		Substations on the Line Substation Name
		Normal Rating	Emergency Rating	Normal Rating	Emergency Rating			Length (Miles)	Width Max./Min. (feet)		Design	Installed	
11541	*Belpre - Parkersburg (APS)	196	222	223	245	138	138	1.48	100/100	Steel - Lattice	1	1	
600	*Bluebell (FE) - Canton Central	257	360	325	404	138	138	0.35	100/100	Steel - H-frame	1	1	
608	*Brookside (FE) - Howard	167	245	210	271	138	138	8	100/100	Steel - Lattice	1	1	
601	*Canton Central - Cloverdale (FE)	161	194	182	210	138	138	0.38	100/100	Wood - 3 pole	1	1	
6402	*Canton Central - Hanna (FE)	1409	1409	1685	1780	345	345	6.23	150/150	Steel - Lattice	1	1	
602	*Cloverdale (FE) - East Wooster	161	194	182	230	138	138	0.62	100/100	Wood - 1 pole	1	1	
2185	*Cloverdale (FE) - Torrey	187	240	226	285	138	138	0.37	100/100	Steel - Lattice	1	1	
552	*Collier (DLC) - Tidd	1229	1391	1576	1695	345	345	0.32	150/150	Steel - Lattice	1	1	
11545	*Corner - Washington (APS)	282	332	335	367	138	138	6.13	100/100	Wood - H-frame	1	1	
3864	*Dale (FE) - West Canton	233	282	263	287	138	138	0.82	100/100	Steel - Lattice	1	1	
654	*Darby (DP&L) - Delaware	196	220	201	220	138	138	0.02	100/100	Steel - Lattice	1	1	
660	*Delaware - Tangy (OE)	196	247	248	273	138	138	0.02	100/100	Steel - Lattice	1	1	
8931	*DENA (IPP) - Hanging Rock	1587	1587	1587	1587	765	765	0.01	200/200	Steel - Lattice	1	1	
3862	*East Liverpool - Wylie Ridge (FE)	187	205	247	258	138	138	7.71	100/100	Steel - Lattice	1	1	
555	*Fostoria Central - Lemoyne (FE)	1409	1409	1692	1781	345	345	19.33	150/150	Wood - 1 pole	1	1	
11579	*Fremont Center - West Fremont (FE)	251	251	317	317	138	138	7.02	100/100	Wood - 1 pole	1	1	FREMONT
19578	*Galion (FE) - Ohio Central	1228	1370	1370	1370	345	345	59.15	150/150	Steel - Lattice	1	1	
554	*Galion (FE) - South Berwick	1228	1409	1437	1594	345	345	35.44	150/150	Steel - Lattice	1	1	FOSTORIA CENTRAL
607	*Hillsboro - Hutchings (DP&L)	185	185	234	234	138	138	74.74	100/100	Wood - H-frame	1	1	
12737	*Hillsboro - Warren (Duke)	185	185	229	229	138	138	14.6	100/100	Interconnect	1	1	
609	*Howard - Shelby #1	72	79	72	79	138	138	2.36	100/100	Wood - 1 pole with push brace	1	1	
11697	*Italian Village - Saint Clair	248	313	313	362	138	138	1.27	100/100	Wood - 1 pole	1	1	
11698	*Italian Village - Vine	261	388	279	404	138	138	1.26	100/100	UG Cable - Duct & Manhole	1	1	
18078	*Kenton (LGE-KU) - Wildcat	151	185	191	191	138	138	24.83	100/100	Steel - 1 pole	1	1	
618	*Lemoyne (FE) - West End Fostoria - Woodville	185	185	215	215	138	138	18.69	100/100	Wood - H-frame	1	1	WOODVILLE #2 (FE)
610	*Lockwood Road - Richland (FE)	216	223	253	281	138	138	0.09	100/100	Wood - 3 pole	1	1	
559	*Shelby (DP&L) - Southwest Lima	1255	1374	1255	1374	345	345	18.97	150/150	Steel - Lattice	1	1	
564	*South Canton - Sammis (FE)	1409	1409	1635	1781	345	345	0.74	150/150	Steel - Lattice	1	1	
614	*South Toronto - Weirton (FE) - Wylie Ridge (FE)	136	173	179	206	138	138	0.5	100/100	Steel - Lattice	1	1	
25277	*Tidd - Wylie Ridge (FE)	1409	1409	1781	1781	345	345	0.31	150/150	Steel - Lattice	1	1	
617	*West Bellaire - Windsor (FE)	205	284	258	320	138	138	17.21	100/100	Wood - H-frame	1	1	TILTONSVILLE
25599	Academia - North Lexington	205	205	258	258	138	138	25.98	100/100	Wood - 1 pole	1	1	
684	Academia - Ohio Central	187	205	247	258	138	138	37.74	100/100	Wood - 1 pole	1	1	MILLWOOD, WEST TRINWAY
685	Academia - West Mount Vernon	158	183	200	218	138	138	6.09	100/100	Steel - Lattice	1	1	
22117	Adams - Seaman	223	223	281	281	138	138	8.15	100/100	Wood - H-frame	1	1	
22118	Adams - Ware Road	296	413	375	464	138	138	20.24	100/100	Wood - 1 pole	1	1	
597	Addison - Lick - Sporn	145	150	183	189	138	138	53.15	100/100	Wood - 3 pole	1	1	RIO
8072	Adkins - Beatty Road	1233	1414	1684	1787	345	345	12.95	150/150	Steel - Lattice	1	1	
20482	Allen - RP Mone	897	897	1138	1138	345	345	3.34	150/150	Wood - 1 pole	1	1	
26897	Amlin - Cole	564	683	712	812	138	345	2.85	150/150	Steel - Lattice	1	1	
20237	Amlin - Hyatt	564	755	712	858	138	345	10.02	150/150	Steel - Lattice	1	1	
24759	Amos - North Proctorville	5395	6095	5978	6614	765	765	31.97	200/200	Steel - Lattice	1	1	
184	Apple Grove - South Point	136	167	179	206	138	138	29.4	100/100	Wood - 1 pole	1	1	
48	Apple Grove - Sporn	167	167	210	210	138	138	41.99	100/100	Wood - 1 pole	1	1	
612	Argentum - Millbrook Park	205	205	215	215	138	138	8.35	100/100	Wood - 1 pole	1	1	

PUCO Form FE-T7: AEP Ohio Power  
Characteristics of Existing Transmission Lines

Transmission Name & Line No. <sup>a</sup>	Point of (Origin - Terminus) Indicate Location of Line's Beginning and Terminus	Summer Capability		Winter Capability		Operating Voltage (kV) Indicate Design Voltage and Operating Voltage For Each Line	Design Voltage (kV)	Right-of-Way		Type of Supporting Structure Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure	Number of Circuits		Substations on the Line Substation Name
		Normal Rating	Emergency Rating	Normal Rating	Emergency Rating			Length (Miles)	Width Max./Min. (feet)		Design	Installed	
661	Astor - East Broad Street	216	216	272	272	138	138	2.74	100/100	Wood - 1 pole	1	1	
15558	Astor - Groves - Shannon	216	216	272	272	138	138	8.68	100/100	Wood - 2 pole	1	1	
15	Baker - Hanging Rock	4047	4571	4484	4961	765	765	30.53	200/200	Steel - Lattice	1	1	
11337	Beatty - Bolton	223	223	281	281	138	138	2.74	100/100	Steel - Lattice	1	1	
26781	Beatty - Cole	1096	1203	1423	1511	345	345	9.64	150/150	Steel - Lattice	1	1	
569	Beatty Road - Bixby	1096	1203	1423	1511	345	345	13.2	150/150	Steel - Lattice	1	1	
553	Beatty Road - Greene	1239	1374	1255	1374	345	345	19.85	150/150	Steel - Lattice	1	1	
663	Beatty Road - McComb	216	251	272	286	138	138	5.76	100/100	Wood - 1 pole	1	1	
12537	Beatty Road - White Road	191	216	241	272	138	138	4.54	100/100	Wood - 1 pole	1	1	
1985	Beatty Road - Wilson	223	223	281	281	138	138	8.58	100/100	Steel - Lattice	1	1	
193	Bellefonte - East Wheelersburg	136	167	179	206	138	138	27.98	100/100	Steel - Lattice	1	1	HANGING ROCK
194	Bellefonte - North Proctorville	136	173	179	206	138	138	20.78	100/100	Wood - H-frame	1	1	
26137	Belpre - Corner	148	148	187	187	138	138	5.88	100/100	Steel - 1 pole	1	1	
11418	Berkshire - Trent	223	223	281	281	138	138	4.22	100/100	Wood - 1 pole	1	1	SUNBURY
26717	Berrywood - Berkshire	338	456	427	517	138	138	4	100/100	Steel - 1 pole	1	1	
11417	Berrywood - Delaware	200	200	253	253	138	138	5.16	100/100	Steel - 1 pole	1	1	
16399	Bethel - Brookside	156	156	156	156	138	138	2.59	100/100	Steel - 1 pole	1	1	
13377	Bethel Road - Davidson	335	378	406	406	138	138	2.76	100/100	Steel - Lattice	1	1	
623	Bethel Road - Linworth	150	156	156	156	138	138	5.42	100/100	Wood - 1 pole	1	1	
622	Bethel Road - Roberts	223	233	281	289	138	138	5.43	100/100	Wood - 1 pole	1	1	
22497	Beverly - Holloway	971	971	1234	1234	345	345	58.97	150/150	Steel - Lattice	1	1	
7791	Beverly - Muskingum	971	971	1234	1234	345	345	1.9	150/150	Wood - 1 pole	1	1	
624	Bexley - Saint Clair	216	251	272	298	138	138	4.07	100/100	Wood - 1 pole	1	1	
2227	Bexley - Yearling	282	292	356	364	138	138	1.45	100/100	Steel - 1 pole	1	1	
21617	Biers Run - Bixby	1409	1655	1781	1967	345	345	40.84	150/150	Steel - Lattice	1	1	
21618	Biers Run - Don Marquis	1409	1409	1781	1781	345	345	30.79	150/150	Wood - H-frame	1	1	
642	Bixby - Buckeye Steel	216	251	272	298	138	138	6.51	100/100	Steel - 1 pole	1	1	
658	Bixby - Groves Road #1	145	145	183	183	138	138	0.23	100/100	Wood - 1 pole	1	1	
8312	Bixby - Kirk	620	783	782	828	345	345	25.24	150/150	Wood - H-frame	1	1	
625	Bixby - LSII	196	247	248	286	138	138	4.53	100/100	Steel - Lattice	1	1	
20738	Bixby - Ohio Central	1409	1887	1781	2144	345	345	55.18	150/150	Wood - 1 pole	1	1	
15557	Bixby - Shannon	329	361	424	446	138	138	4.39	100/100	Wood - 1 pole	1	1	
13397	Blacklick - East Broad	100	100	125	125	138	138	1.84	100/100	Wood - 1 pole	1	1	
13398	Blacklick - Gahanna	150	219	189	243	138	138	3.3	100/100	Wood - 1 pole	1	1	
9578	Blendon - Corridor	285	338	377	427	138	138	6.35	100/100	Wood - 1 pole	1	1	
9579	Blendon - Morse	297	338	375	427	138	138	3.76	100/100	Wood - 2 pole	1	1	
20579	Blue Racer - SCP Co-op	572	572	572	572	138	138	0.14	100/100	Wood - 1 pole	1	1	
20577	Blue Racer - Summerfield	293	341	370	406	138	138	3.39	100/100	Wood - 1 pole	1	1	
20578	Blue Racer - Texas Eastern	95	95	95	95	138	138	0.01	100/100	Steel - 1 pole	1	1	
26757	Bolton - Hall	223	223	281	281	138	138	3.15	100/100	Steel - Lattice	1	1	
24898	Britton-Davidson #1	283	381	287	382	138	138	0.54	100/100	J/G Cable - Duct & Manhol	1	1	
24897	Britton-Dublin	269	356	269	360	138	138	2.6	100/100	J/G Cable - Duct & Manhol	1	1	
16397	Brookside - Sawmill	156	156	156	156	138	138	2.6	100/100	Steel - Lattice	1	1	
772	Brues - West Bellaire #1	205	284	258	320	138	138	4.68	100/100	Steel - Lattice	1	1	
21157	Brues - West Bellaire #2	205	284	258	320	138	138	4.46	100/100	Steel - Lattice	1	1	
666	Buckeye Steel - Gay Street	170	216	179	250	138	138	3.9	100/100	J/G Cable - Duct & Manhol	1	1	

PUCO Form FE-T7: AEP Ohio Power  
Characteristics of Existing Transmission Lines

Transmission Name & Line No.*	Point of (Origin - Terminus)	Summer Capability		Winter Capability		Operating Voltage (kV)	Design Voltage (kV)	Right-of-Way		Type of Supporting Structure	Number of Circuits		Substations on the Line
List Each Transmission Line of 125 kV or More	Indicate Location of Line's Beginning and Terminus	Normal Rating	Emergency Rating	Normal Rating	Emergency Rating	Indicate Design Voltage and Operating Voltage For Each Line		Length (Miles)	Width Max./Min. (feet)	Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure	Design	Installed	Substation Name
687	Buckley Road - Fostoria Central	150	150	189	189	138	138	13.21	100/100	Wood - 3 pole	1	1	
688	Bucyrus Center - Howard	164	180	213	227	138	138	16.67	100/100	Steel - Lattice	1	1	SULPHUR SPRINGS
630	Canal Street - Marion Road	124	173	136	184	138	138	3.8	100/100	JG Cable - Duct & Manhol	1	1	
650	Canal Street - Mound Street	122	170	134	181	138	138	1.82	100/100	JG Cable - Duct & Manhol	1	1	
12538	Canal Street - White Road	216	216	272	272	138	138	8.91	100/100	Steel - 1 pole	1	1	
580	Canton Central - South Canton	1409	1409	1781	1781	345	345	8.14	150/150	Steel - Lattice	1	1	
689	Canton Central - Southeast Canton 138kV	296	398	375	452	138	138	3.41	100/100	Steel - Lattice	1	1	
14378	Canton Central - Southeast Canton 345kV	1409	1409	1781	1781	345	345	2.21	150/150	Steel - Lattice	1	1	
23297	Canton Central - Stemple Switch	1409	1409	1781	1781	345	345	18.25	150/150	Wood - 1 pole	1	1	
692	Canton Central - Wagenhals #1	296	392	375	429	138	138	2.02	100/100	Steel - Lattice	1	1	
2181	Canton Central - Wagenhals #2	296	392	375	429	138	138	2.04	100/100	Steel - Lattice	1	1	
25557	Carrollton - Gable SW	205	221	258	309	138	138	29.2	100/100	Steel - Lattice	1	1	
19757	Carrollton - Sunnyside	221	262	309	325	138	138	19.64	100/100	Steel - 2 pole	1	1	
13837	Centerburg - Conesville	338	338	427	427	138	138	45.61	100/100	Steel - Lattice	1	1	
13838	Centerburg - Trent	285	338	377	427	138	138	6.2	100/100	Steel - Lattice	1	1	
693	Central Portsmouth - North Portsmouth	219	251	277	303	138	138	6.05	100/100	Wood - 3 pole	1	1	
25137	Circleville - Harrison #2	323	451	408	506	138	138	15.21	100/100	Steel - 1 pole	1	1	
619	City of Columbus - Vine #1	251	283	287	316	138	138	1	100/100	Wood - 1 pole	1	1	
681	City of Columbus - Vine #2	251	283	287	316	138	138	1.14	100/100	Steel - 1 pole	1	1	
10117	City of Jackson - Lick	43	54	43	54	138	138	1.08	100/100	Wood - 1 pole	1	1	
657	Clinton - Huntley - Morse Road	195	220	216	239	138	138	11.77	100/100	Wood - 3 pole	1	1	DIAMOND INNOVATIONS
2762	Clinton - Karl Road	150	150	189	189	138	138	3.91	100/100	Steel - Lattice	1	1	
2761	Clinton - Kenny	217	320	227	331	138	138	3.1	100/100	JG Cable - Duct & Manhol	1	1	
686	Clinton - OSU	129	167	134	167	138	138	4.52	100/100	JG Cable - Duct & Manhol	1	1	
631	Clinton - Saint Clair	142	185	139	193	138	138	4.04	100/100	JG Cable - Duct & Manhol	1	1	
26337	Clouse - West Lancaster	167	167	210	210	138	138	23	100/100	Steel - Lattice	1	1	
26338	Clouse - Zanesville	150	167	189	210	138	138	7.9	100/100	Wood - 1 pole	1	1	
26782	Cole - Hayden	1409	1409	1781	1781	345	345	7.75	150/150	Steel - 1 pole	1	1	
572	Conesville - Corridor	1217	1374	1348	1492	345	345	53.85	150/150	Wood - 3 pole	1	1	
576	Conesville - Hyatt	1217	1374	1348	1492	345	345	68.26	150/150	Steel - 1 pole	1	1	
2281	Conesville - Newark Center	348	407	431	477	138	138	28.34	100/100	Wood - 1 pole	1	1	
2322	Conesville - Ohio Central	145	183	183	211	138	138	0.08	100/100	Wood - 1 pole	1	1	CONESVILLE PREPARATION PLANT
20737	Conesville - Ohio Central	1409	1887	1781	2144	345	345	10.59	150/150	Steel - 2 pole	1	1	
28200	Constellium - Sporn South #1	257	257	325	325	138	138	4.25	100/100	Steel - Lattice	1	1	
28138	Constellium - Sporn South #2	257	257	325	325	138	138	5.75	100/100	Steel - Lattice	1	1	
11542	Corner - Riverview	240	282	313	356	138	138	7.1	100/100	Wood - 1 pole	1	1	
11538	Corner - Shell	109	138	144	164	138	138	2.15	100/100	Wood - 3 pole	1	1	PORTERFIELD
21358	Corner - Wolf Creek	205	278	258	320	138	138	15.8	100/100	Wood - H-frame	1	1	LAYMAN
677	Corridor - Gahanna 138kV	335	392	424	466	138	345	5.54	150/150	Steel - Lattice	1	1	
676	Corridor - Genoa	338	407	427	484	138	345	5.12	150/150	Steel - 1 pole	1	1	
15237	Corridor - Jug Street	1370	1409	1779	1781	345	345	6.38	150/150	Wood - 3 pole	1	1	
647	Corridor - Morse Road	293	338	370	406	138	138	7.43	100/100	Wood - 1 pole	1	1	
18637	Corridor - Vassell #1	1409	1472	1781	1826	345	345	8.08	150/150	Steel - Lattice	1	1	
18638	Corridor - Vassell #2	1409	1887	1781	2144	345	345	8.07	150/150	Steel - Lattice	1	1	
27081	Corwin - Rhodes	200	254	253	293	138	138	1.1	100/100	Wood - H-frame	1	1	
25202	Crooksville - Lemaster - Strouds Run	134	173	179	206	138	138	35.5	100/100	Steel - Lattice	1	1	TRIMBLE

PUCO Form FE-T7: AEP Ohio Power  
Characteristics of Existing Transmission Lines

Transmission Name & Line No.*	Point of (Origin - Terminus)	Summer Capability		Winter Capability		Operating Voltage (kV)	Design Voltage (kV)	Right-of-Way		Type of Supporting Structure	Number of Circuits		Substations on the Line
List Each Transmission Line of 125 kV or More	Indicate Location of Line's Beginning and Terminus	Normal Rating	Emergency Rating	Normal Rating	Emergency Rating	Indicate Design Voltage and Operating Voltage For Each Line		Length (Miles)	Width Max./Min. (feet)	Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure	Design	Installed	Substation Name
694	Crooksville - North Newark	128	128	161	161	138	138	31.56	100/100	Wood - H-frame	1	1	
26057	Crooksville - Philo	150	150	189	189	138	138	13.2	100/100	Wood - 1 pole	1	1	
696	Crooksville - South Lancaster	167	167	210	210	138	138	26.78	100/100	Steel - Lattice	1	1	
14	Culloden - Gavin	4047	4571	4484	4961	765	765	42.04	200/200	Steel - Lattice	1	1	
185	Darrah - North Proctorville	292	296	315	315	138	138	5.64	100/100	Steel - Lattice	1	1	EAST PROCTORVILLE
13378	Davidson - Roberts	335	378	406	406	138	138	3.33	100/100	Wood - 1 pole	1	1	
20757	Delano - Kenworth	200	254	253	293	138	138	0.31	100/100	1 pole	1	1	
659	Delaware - Hyatt (CSP)	196	247	248	286	138	138	4.31	100/100	Wood - H-frame	1	1	
19358	Delaware - Vassell	338	456	427	517	138	138	13.27	100/100	Steel - Lattice	1	1	
25199	Dexter Switch - Elliott - Lemaster	190	190	190	190	138	138	24.05	100/100	Steel - Lattice	1	1	
15559	Dexter Switch - Meigs #2 (Socco)	98	98	123	123	138	138	7.3	100/100	Wood - 1 pole	1	1	MEIGS NO. 2
6281	Dexter Switch - Rutland	98	98	123	123	138	138	11.02	100/100	Wood - 3 pole	1	1	MEIGS NO. 1
543	Don Marquis - Hanging Rock	4047	4571	4484	4961	765	765	34.96	200/200	Wood - 1 pole	1	1	
15138	Don Marquis - Lick	219	255	277	303	138	138	24.65	100/100	Wood - 1 pole	1	1	EAST BEAVER
21538	Don Marquis - South Lucasville	219	223	277	281	138	138	12.93	100/100	Wood - 1 pole	1	1	WAKEFIELD
13679	Don Marquis - Waverly #1	223	310	281	349	138	138	15.64	100/100	Steel - 1 pole	1	1	
15137	Don Marquis - Waverly #2	223	302	281	349	138	138	15.34	100/100	Steel - 1 pole	1	1	
9217	Dresden - Ohio Central	680	784	750	799	138	138	0.62	100/100	Wood - H-frame	1	1	
12717	Dublin - Sawmill	196	229	248	284	138	138	6.33	100/100	Wood - 1 pole	1	1	
27118	Duck Creek - Levee	282	282	356	356	138	138	3.9	100/100	Wood - H-frame	1	1	
30777	East Amsterdam - June Road 138 kV	195	220	216	239	138	138	21.4	100/100	Wood - 2 pole	1	1	
30797	East Amsterdam - Tidd 138 kV	335	392	424	466	138	138	32.57	100/100	Wood - 2 pole	1	1	
27880	East Broad - Mink	335	338	424	427	138	138	7.05	100/100	Wood - 1 pole	1	1	TAYLOR
649	East Broad Street - Kirk #2	297	338	375	427	138	138	10.41	100/100	Steel - 1 pole	1	1	
2228	East Broad Street - Yearling	240	282	317	356	138	138	4.81	100/100	Wood - 1 pole	1	1	
23658	East Huntington - North Proctorville	219	251	277	286	138	138	4.53	100/100	Steel - Lattice	1	1	
4883	East Leipsic - Richland	223	223	257	270	138	138	16.82	100/100	Wood - 1 pole	1	1	
2061	East Lima - Ford Motor (Lima Switch)	167	240	210	271	138	138	3.35	100/100	Steel - Lattice	1	1	
581	East Lima - Fostoria Central	1025	1318	1298	1522	345	345	39.84	150/150	Wood - 1 pole	1	1	
27998	East Lima - Hardin Switch	897	1123	1138	1336	345	345	17.25	150/150	Wood - 1 pole	1	1	
2062	East Lima - Haviland	167	220	210	239	138	138	35.09	100/100	Wood - 1 pole	1	1	
16757	East Lima - Maddox Creek	897	1301	1138	1452	345	345	30.34	150/150	Steel - Lattice	1	1	
697	East Lima - New Liberty	150	219	189	243	138	138	25.96	100/100	Steel - Lattice	1	1	
698	East Lima - North Findlay	167	245	210	271	138	138	29.22	100/100	Steel - Lattice	1	1	NORTH WOODCOCK
699	East Lima - Rockhill	150	211	189	236	138	138	4.42	100/100	Steel - Lattice	1	1	
700	East Lima - South Kenton	100	100	125	125	138	138	30.91	100/100	Wood - H-frame	1	1	
582	East Lima - Southwest Lima	971	971	1234	1234	345	345	21.97	150/150	Wood - 1 pole	1	1	
2043	East Lima - Sterling	185	185	234	234	138	138	14.75	100/100	Wood - 3 pole	1	1	THAYER ROAD
701	East Lima - West Lima	205	205	258	258	138	138	12.43	100/100	Steel - Lattice	1	1	NORTHWEST LIMA, WOODLAWN (OP)
17717	East Lima - Yellow Creek	145	145	183	183	138	138	25.38	100/100	Wood - 1 pole	1	1	
2344	East Wheelersburg - Millbrook	136	167	179	206	138	138	8.72	100/100	Wood - 1 pole	1	1	DOGWOOD RIDGE
702	East Wheelersburg Switch - Texas Eastern	100	100	125	125	138	138	1.98	100/100	Steel - 1 pole	1	1	
704	East Wooster - South Canton	205	205	238	238	138	138	31.91	100/100	Wood - 3 pole	1	1	CANAL ROAD, APPLE CREEK
2253	East Wooster - Wooster	187	205	238	238	138	138	8.56	100/100	Wood - H-frame	1	1	
20859	Ebersole - Findlay Center	200	254	253	292	138	138	6.8	100/100	Steel - Lattice	1	1	
20860	Ebersole - Fostoria Central #1	167	245	210	271	138	138	8.45	100/100	Steel - Lattice	1	1	



PUCO Form FE-T7: AEP Ohio Power  
Characteristics of Existing Transmission Lines

Transmission Name & Line No.*	Point of (Origin - Terminus)	Summer Capability		Winter Capability		Operating Voltage (kV)	Design Voltage (kV)	Right-of-Way		Type of Supporting Structure	Number of Circuits		Substations on the Line Substation Name
		Normal Rating	Emergency Rating	Normal Rating	Emergency Rating			Length (Miles)	Width Max./Min. (feet)		Design	Installed	
List Each Transmission Line of 125 kV or More	Indicate Location of Line's Beginning and Terminus					Indicate Design Voltage and Operating Voltage For Each Line				Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure			
20858	Ebersole - Fostoria Central #2	150	211	189	236	138	138	6.97	100/100	Steel - Lattice	1	1	
20857	Ebersole - New Liberty	150	219	189	238	138	138	6.59	100/100	Steel - 1 pole	1	1	FLAG CITY
20917	Ebersole - North Findlay	167	245	210	271	138	138	4.97	100/100	Steel - 1 pole	1	1	
11543	Elkem Metals - Riverview	240	282	313	356	138	138	1.44	100/100	Steel - Lattice	1	1	
22219	Firebrick - Gavin	185	185	234	234	138	138	29.48	100/100	Steel - Lattice	1	1	
22220	Firebrick - Millbrook	185	185	234	234	138	138	18.75	100/100	Steel - Lattice	1	1	
11338	Fisher - Hall - Wilson	223	223	281	281	138	138	4.54	100/100	Steel - Lattice	1	1	
5282	Fisher - Roberts	223	223	281	281	138	138	6.32	100/100	Steel - 1 pole	1	1	TRABUE
8314	Flatlick - Gavin	4047	4571	4484	4961	765	765	15.17	200/200	Wood - 1 pole	1	1	
8315	Flatlick - Marysville	4047	4571	4484	4961	765	765	109	200/200	Steel - H-frame	1	1	
2841	Ford - Rockhill	167	240	210	271	138	138	1.56	100/100	Wood - 1 pole	1	1	
25217	Fostoria Central - Lallendorf (FE)	1409	1409	1723	1781	345	345	19.33	150/150	Steel - Lattice	1	1	
22938	Fostoria Central - Melmore	167	167	210	210	138	138	19.42	100/100	Wood - 1 pole	1	1	
708	Fostoria Central - West End Fostoria	296	296	375	375	138	138	1.54	100/100	Wood - 1 pole	1	1	
25558	Gable SW - South Cadiz	185	185	234	234	138	138	12.8	100/100	Wood - 2 pole	1	1	
7731	Gahanna - Hap Cremean	150	219	189	243	138	138	4.39	100/100	Wood - 1 pole	1	1	
18657	Gahanna - West Millersport	219	255	277	303	138	345	26.81	150/150	Wood - 1 pole	1	1	
11	Gavin - Mountaineer	4047	4571	4484	4961	765	765	10.9	200/200	Steel - Lattice	1	1	
20537	Gavin - North Crown City	98	98	123	123	138	138	34.07	100/100	Wood - H-frame	1	1	
187	Gavin - Sporn #1	185	185	234	234	138	138	16.07	100/100	Steel - Lattice	1	1	
188	Gavin - Sporn #2	158	183	200	218	138	765	17.34	200/200	Steel - Lattice	1	1	
672	Gay Street - McComb	223	267	272	286	138	138	1.75	100/100	Wood - 1 pole	1	1	SULLIVANT TERMINAL
643	Gay Street - Vine	174	240	184	254	138	138	1.5	100/100	J/G Cable - Duct & Manhole	1	1	
639	Genoa - Karl Road - Morse Road	196	223	248	281	138	138	11.29	100/100	Steel - Lattice	1	1	
6228	Genoa - Maliszewski	338	407	427	484	138	345	5.99	150/150	Steel - Lattice	1	1	
14218	Genoa - Westar	223	283	281	327	138	138	2.07	100/100	Wood - 1 pole	1	1	
11539	Gorsuch - Mill Creek	240	282	313	356	138	138	8.24	100/100	Wood - 3 pole	1	1	HARMAR HILL
11544	Gorsuch - Riverview	248	282	313	356	138	138	1.49	100/100	Steel - 1 pole	1	1	
22942	Greenlawn - Melmore	257	360	325	404	138	138	1.07	100/100	Wood - 1 pole	1	1	
710	Greenlawn - Tiffin Center	257	360	325	404	138	138	1.07	100/100	Wood - 1 pole with push bra	1	1	
13018	Greif - Huntley	196	247	248	286	138	138	10.22	100/100	Wood - 1 pole	1	1	
13017	Greif - Hyatt	223	223	262	281	138	138	3.45	100/100	Steel - Duct & Manhole	1	1	
546	Hanging Rock - Jefferson	4047	4571	4484	4961	765	765	6.09	200/200	Steel - Lattice	1	1	
7732	Hap Cremean - Morse Road	150	180	189	227	138	138	0.65	100/100	Wood - 1 pole	1	1	
27981	Hardin Switch - Marysville	897	1301	1138	1452	345	345	30.97	150/150	Wood - 1 pole	1	1	
7631	Hargus (CCA) - Scippo	223	223	281	281	138	138	1.47	100/100	Wood - 1 pole	1	1	
20877	Harmon (FE) - South Canton	1409	1878	1746	2144	345	345	0.69	150/150	Steel - Lattice	1	1	
25201	Harrison - Lemaster	196	247	248	286	138	138	54.39	100/100	Wood - H-frame	1	1	
632	Harrison (Csp) - Marion Road	149	180	196	214	138	138	10.21	100/100	Wood - H-frame	1	1	
662	Harrison (Csp) - South Central	164	180	213	227	138	138	0.26	100/100	Wood - 1 pole	1	1	
573	Hayden Switch - Hyatt (CSP)	1239	1472	1564	1809	345	345	12.58	150/150	Steel - 1 pole	1	1	
14839	Hayden Switch - Roberts #1	1025	1318	1298	1432	345	345	5.56	150/150	Steel - 1 pole	1	1	
574	Hayden Switch - Roberts #2	1025	1318	1298	1522	345	345	5.54	150/150	Wood - 1 pole	1	1	
20097	Heath - North Newark	167	167	210	210	138	138	21.49	100/100	Steel - Lattice	1	1	
20098	Heath - West Millersport	205	205	258	258	138	138	21.49	100/100	Steel - Lattice	1	1	
24799	Herlan - Natrium #1	187	240	247	285	138	138	34.72	100/100	Steel - Lattice	1	1	SWITZER

PUCO Form FE-T7: AEP Ohio Power  
Characteristics of Existing Transmission Lines

Transmission Name & Line No. <sup>a</sup>	Point of (Origin - Terminus) Indicate Location of Line's Beginning and Terminus	Summer Capability		Winter Capability		Operating Voltage (kV) Indicate Design Voltage and Operating Voltage For Each Line	Design Voltage (kV)	Right-of-Way		Type of Supporting Structure Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure	Number of Circuits		Substations on the Line Substation Name
		Normal Rating	Emergency Rating	Normal Rating	Emergency Rating			Length (Miles)	Width Max./Min. (feet)		Design	Installed	
24800	Herlan - Natrium #2	205	284	258	320	138	138	27.9	100/100	Wood - H-frame	1	1	SOMERTON
28497	Herlan - South Caldwell	205	284	258	320	138	138	15.4	100/100	Wood - 1 pole	1	1	CALDWELL
24802	Herlan - Summerfield	205	284	258	320	138	138	1.41	100/100	Steel - Lattice	1	1	
640	Hess Street - OSU	187	240	240	285	138	138	1.92	100/100	JG Cable - Duct & Manhol	1	1	
679	Hess Street - Vine	183	251	204	269	138	138	2.42	100/100	JG Cable - Duct & Manhol	1	1	
641	Hess Street - Wilson Road	187	223	247	281	138	138	6.86	100/100	JG Cable - Duct & Manhol	1	1	FIFTH AVENUE
21678	Highland (CSP) - Seaman	195	220	216	239	138	138	14.39	100/100	Steel - 2 pole	1	1	
2982	Hillsboro - Millbrook Park	185	185	234	234	138	138	95.06	100/100	Steel - Lattice	1	1	
18077	Hillsboro - Wildcat	185	185	234	234	138	138	9.88	100/100	Steel - 1 pole	1	1	
22498	Holloway - Tidd	971	971	1234	1234	345	345	22.87	150/150	Steel - Lattice	1	1	
22939	Howard - Melmore #1	136	167	179	206	138	138	26.97	100/100	Wood - 1 pole	1	1	
22941	Howard - Melmore #2	136	167	179	179	138	138	26.97	100/100	Wood - 1 pole	1	1	
12239	Howard - North Bellville	136	173	179	206	138	138	18.01	100/100	Wood - 1 pole	1	1	
25597	Howard - North Lexington	200	200	253	253	138	138	12.5	100/100	Steel - Lattice	1	1	
13577	Howard - Shelby #2 138 kV	96	96	96	96	138	138	2.36	100/100	Steel - Lattice	1	1	
4783	Howard - West End Fostoria 138 kV	136	167	179	179	138	138	45.34	100/100	Steel - Lattice	1	1	CHATFIELD
665	Huntley - Linworth	223	223	281	281	138	138	3.72	100/100	Steel - 1 pole	1	1	
19359	Hyatt - Vassell	1370	1409	1779	1781	345	345	15.88	150/150	Steel - Lattice	1	1	
6226	Hyatt (CSP) - Maliszewski #1	223	310	281	349	138	138	6.83	100/100	Wood - 1 pole	1	1	
6227	Hyatt (CSP) - Maliszewski #2	338	407	427	484	138	345	5.1	150/150	Steel - Lattice	1	1	
645	Hyatt (Csp) - Sawmill #1	340	434	430	501	138	138	5.32	100/100	Steel - 1 pole	1	1	
25058	Hyatt (CSP) - Sawmill #2	388	526	492	597	138	765	5.32	200/200	Steel - Lattice	1	1	
584	Hyatt (OP) - Marysville	1166	1376	1481	1639	345	345	23.24	150/150	Steel - Lattice	1	1	
550	Hyatt (OP) - West Millersport	971	1376	1234	1585	345	345	49.68	150/150	Steel - Lattice	1	1	
26958	June Road - Tidd	195	220	216	239	138	138	42.3	100/100	Steel - 1 pole	1	1	EAST AMSTERDAM, BROADACRE, PANDA ROAD SWITCH
26957	June Road - Wagenhals	335	392	424	466	138	138	11.5	100/100	Wood - 2 pole	1	1	
544	Kammer - South Canton	2977	2977	2977	2977	765	765	79.57	200/200	Steel - Lattice	1	1	
19899	Kammer - Vassell	4047	4571	4484	4961	765	765	114.47	200/200	Steel - H-frame	1	1	
22338	Kammer - West Bellaire	1740	2034	2022	2235	345	345	13.21	150/150	Steel - Lattice	1	1	
722	Kammer South - Ormet #1	296	398	375	452	138	138	11.54	100/100	Steel - Lattice	1	1	
2101	Kammer South - Ormet #2	296	398	375	452	138	138	11.54	100/100	Steel - Lattice	1	1	
723	Kammer South - Ormet #3	296	296	375	375	138	138	11.53	100/100	Steel - Lattice	1	1	
724	Kammer South - Ormet #4	296	296	375	375	138	138	11.52	100/100	Steel - Lattice	1	1	
725	Kammer South - West Bellaire	296	398	375	452	138	138	13.58	100/100	Aluminum - Guyed V	1	1	
29397	Karl - Morse #2 138 kV	240	286	286	286	138	138	11.2	100/100	Steel - Lattice	1	1	
621	Kenny - Roberts	213	282	221	328	138	138	3.4	100/100	JG Cable - Duct & Manhol	1	1	
27882	Kirk - Mink	338	338	427	427	138	138	3.52	100/100	Steel - 1 pole	1	1	
2276	Kirk - Newark Center	338	338	427	427	138	138	26.27	100/100	Steel - Lattice	1	1	
19339	Kirk - West Hebron	167	245	210	271	138	138	9.7	100/100	Wood - 1 pole	1	1	
8311	Kirk - West Millersport 345kV	1166	1166	1481	1481	345	345	9.47	150/150	Steel - 1 pole	1	1	
21	Kyger Creek - Sporn #1	1028	1419	1294	1585	345	345	12.5	150/150	Steel - Lattice	1	1	
22177	Kyger Creek - Sporn #2	971	1419	1234	1585	345	345	12.52	150/150	Steel - Lattice	1	1	
11546	Levee-Belmont(FE)	129	161	162	186	138	138	5.2	100/100	Wood - H-frame	1	1	
27082	Lick - Rhodes	219	238	238	238	138	138	4.2	100/100	Wood - H-frame	1	1	
771	Lockwood Road - Robison Park	219	255	277	303	138	138	32.85	100/100	Wood - H-frame	1	1	SOUTH HICKSVILLE
629	LSII - Marion Road	439	439	472	472	138	138	4.62	100/100	Steel - Lattice	1	1	

PUCO Form FE-T7: AEP Ohio Power  
Characteristics of Existing Transmission Lines

Transmission Name & Line No. <sup>a</sup>	Point of (Origin - Terminus) Indicate Location of Line's Beginning and Terminus	Summer Capability		Winter Capability		Operating Voltage (kV) Indicate Design Voltage and Operating Voltage For Each Line	Design Voltage (kV)	Right-of-Way		Type of Supporting Structure Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure	Number of Circuits		Substations on the Line Substation Name
		Normal Rating	Emergency Rating	Normal Rating	Emergency Rating			Length (Miles)	Width Max./Min. (feet)		Design	Installed	
763	LTV Steel - Wagenhals #1	296	296	375	375	138	138	0.64	100/100	Steel - Lattice	1	1	
764	LTV Steel - Wagenhals #2	296	296	375	375	138	138	0.68	100/100	Steel - Lattice	1	1	
16758	Maddox Creek - RP Mone	897	1301	1138	1452	345	345	9.35	150/150	Wood - 1 pole	1	1	
6224	Maliszewski - Marysville	4047	4142	4484	4961	765	765	25.04	200/200	Steel - Lattice	1	1	
6225	Maliszewski - Polaris	223	310	281	349	138	138	2.76	100/100	Wood - 1 pole	1	1	
19357	Maliszewski - Vassell	4142	4142	5133	5133	765	765	9.44	200/200	Steel - H-frame	1	1	
24461	Marysville - Sorenson	4047	4571	4484	4961	765	765	76.3	200/200	Wood - 1 pole	1	1	
585	Marysville - Southwest Lima	971	971	1234	1234	345	345	54.48	150/150	Steel - Lattice	1	1	
566	Marysville - Tangy	897	1301	1138	1452	345	345	22.44	150/150	Steel - Lattice	1	1	
655	Mifflin - Saint Clair	216	216	272	272	138	138	5.71	100/100	Wood - 1 pole	1	1	
5941	Mifflin - Stelzer	216	216	272	272	138	138	1.4	100/100	Wood - 1 pole	1	1	
11546	Mill Creek-Duck Creek	240	282	313	356	138	138	1.5	100/100	Wood - H-frame	1	1	
727	Millbrook Park - North Portsmouth	185	185	214	214	138	138	3.44	100/100	Steel - Lattice	1	1	
726	Millbrook Park - South Point	136	167	179	206	138	138	34.54	100/100	Wood - 1 pole	1	1	
664	Morse Road - Stelzer	187	240	247	285	138	138	1.67	100/100	JG Cable - Duct & Manhol	1	1	
671	Mound Street - Saint Clair (CSP)	131	179	136	184	138	138	2.28	100/100	JG Cable - Duct & Manhol	1	1	
673	Mulberry Switch - Ross	223	310	281	349	138	138	5.67	100/100	Wood - 1 pole	1	1	
5001	Mulberry Switch - Waverly	223	310	281	349	138	138	16.81	100/100	Wood - 1 pole	1	1	ROZELLE
19577	Muskingum River - Ohio Central	1409	1409	1781	1781	345	345	43.23	150/150	Steel - Lattice	1	1	
26058	Muskingum River - Philo	219	255	277	303	138	138	23.47	100/100	Steel - Lattice	1	1	NORTH MUSKINGUM
24360	Muskingum River - South Caldwell #1	187	240	247	285	138	138	11.32	100/100	Steel - Lattice	1	1	
24361	Muskingum River - South Caldwell #2	205	284	258	320	138	138	10.46	100/100	Steel - Lattice	1	1	
21477	Muskingum River - Sporn	1452	1942	1840	2211	345	345	48.7	150/150	Wood - 1 pole	1	1	
8011	Muskingum River - Waterford (IPP)	2051	2635	2597	2830	345	345	5	150/150	Steel - Lattice	1	1	
729	Muskingum River - West Cambridge	150	219	189	243	138	138	41.32	100/100	Wood - 1 pole	1	1	EAST NEW CONCORD
589	Muskingum River - West Millersport #1	897	897	1138	1138	345	345	53.95	150/150	Wood - H-frame	1	1	
590	Muskingum River - West Millersport #2	915	1166	1158	1353	345	345	53.96	150/150	Wood - H-frame	1	1	
730	Newcomerstown - South Coshocton	150	179	179	179	138	138	14.3	100/100	Wood - 3 pole	1	1	
731	Newcomerstown - West Cambridge	287	300	363	378	138	138	14.91	100/100	Wood - 1 pole	1	1	
732	Newcomerstown - West New Philadelphia	285	286	286	286	138	138	17.43	100/100	Wood - 1 pole	1	1	HILLVIEW DRIVE
22397	North Bellville - Ohio Central	145	180	183	187	138	138	44.82	100/100	Wood - 1 pole	1	1	MILLWOOD
20538	North Crown City - North Proctorville	167	167	210	210	138	138	16.74	100/100	Wood - 3 pole	1	1	
24279	North Delphos - Sterling	167	167	210	210	138	138	15.93	100/100	Wood - 1 pole with push brace	1	1	EAST SIDE (OP)
4962	North Fairfield - West Millersport	200	200	253	253	138	138	0.2	100/100	Wood - 1 pole	1	1	
2003	North Intertie (City of Dover) - South Canton	296	296	375	375	138	138	15.27	100/100	Wood - 1 pole	1	1	BOLIVAR
5161	North Intertie (City of Dover) - West New Philadelphia	285	296	363	375	138	138	4.38	100/100	Steel - Lattice	1	1	
4081	North Newark - Ohio Central	202	202	214	214	138	138	21.73	100/100	Steel - 1 pole	1	1	FRAZEYSBURG, REFORM ROAD
20257	North Newark - Sharp Road	158	183	200	218	138	138	19.38	100/100	Steel - Lattice	1	1	
21537	North Portsmouth - South Lucasville	185	185	234	234	138	138	5.17	100/100	Wood - H-frame	1	1	
23657	North Proctorville - South Point	240	251	317	317	138	138	10.86	100/100	Steel - 1 pole	1	1	
21282	North Zanesville - Powelson	205	284	258	320	138	138	2.99	100/100	Wood - 3 pole	1	1	
21281	North Zanesville - Zanesville	205	284	258	320	138	138	4.63	100/100	1 pole	1	1	
739	Ohio Central - Philo #1	187	240	247	285	138	138	18.6	100/100	Wood - 1 pole	1	1	EAST ZANESVILLE, EAST POINTE
22537	Ohio Central - Philo #2	136	173	179	206	138	138	18.16	100/100	Steel - 3 pole	1	1	
21280	Ohio Central - Powelson	205	284	258	320	138	138	4.54	100/100	Wood - 3 pole	1	1	

PUCO Form FE-T7: AEP Ohio Power  
Characteristics of Existing Transmission Lines

Transmission Name & Line No. <sup>a</sup>	Point of (Origin - Terminus) Indicate Location of Line's Beginning and Terminus	Summer Capability		Winter Capability		Operating Voltage (kV) Indicate Design Voltage and Operating Voltage For Each Line	Design Voltage (kV)	Right-of-Way		Type of Supporting Structure Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure	Number of Circuits		Substations on the Line Substation Name
		Normal Rating	Emergency Rating	Normal Rating	Emergency Rating			Length (Miles)	Width Max./Min. (feet)		Design	Installed	
736	Ohio Central - South Coshocton	185	240	234	285	138	138	16.35	100/100	Wood - 1 pole	1	1	
12478	Ohio Central - West Millersburg	150	185	189	234	138	138	38.2	100/100	Wood - 1 pole	1	1	SOUTH MILLERSBURG, WEST COSHOCTON
740	Ordinance Junction Switch - Sterling	329	361	424	429	138	138	1.69	100/100	Wood - 1 pole	1	1	
2231	Philo - Zanesville	136	173	179	206	138	138	12.27	100/100	Wood - 1 pole	1	1	WEST PHILO
742	Philo Switch - South Canton	145	145	183	183	138	138	75.19	100/100	Wood - H-frame	1	1	WEST DOVER, STRASBURG, NORTH STRASBURG, BRIDGEVILLE, SUGARCREEK TERMINAL
14217	Polaris - Westar	223	233	281	289	138	138	3.59	100/100	Wood - 1 pole	1	1	
11597	Riverview - Williams Creek (APS)	240	282	286	286	138	138	0.5	100/100	Steel - Lattice	1	1	
2102	Roberts - Wilson	196	247	248	286	138	138	4.97	100/100	Steel - Lattice	1	1	
743	Rockhill - West Lima	167	240	210	271	138	138	9.94	100/100	Wood - 1 pole	1	1	EASTOWN ROAD
4306	Rutland - Sporn	334	392	421	466	138	138	13.9	100/100	Steel - Lattice	1	1	
17421	Sand Hill - Tidd 1	187	240	247	285	138	138	0.45	100/100	Steel - Lattice	1	1	None in Ohio
28218	Sand Hill - Tidd 2	187	205	247	258	138	138	0.45	100/100	Steel - Lattice	1	1	None in Ohio
670	Scioto Trail - Scippo	150	191	197	227	138	138	0.78	100/100	Wood - 1 pole	1	1	
20258	Sharp Road - West Mount Vernon	158	183	200	218	138	138	2.38	100/100	Steel - H-frame	1	1	
18819	South Baltimore - West Lancaster	167	167	210	210	138	138	9.9	100/100	Wood - H-frame	1	1	
18818	South Baltimore - West Millersport	167	167	210	210	138	138	4.4	100/100	Wood - H-frame	1	1	
24357	South Caldwell - South Cumberland	158	183	200	214	138	138	10.82	100/100	Wood - 1 pole	1	1	
24359	South Caldwell - Steamtown	205	284	258	320	138	138	12.36	100/100	Wood - 1 pole	1	1	
744	South Canton - Southeast Canton 138kV	296	296	375	375	138	138	7.21	100/100	Steel - Lattice	1	1	FAIRCREST STREET
14857	South Canton - Southeast Canton 345kV	1409	1409	1781	1781	345	345	5.83	150/150	Steel - Lattice	1	1	
746	South Canton - Timken - Richville Switch	285	302	363	393	138	138	3.47	100/100	Wood - 1 pole	1	1	
747	South Canton - Torrey	366	429	429	429	138	138	2.87	100/100	Wood - 1 pole	1	1	
21137	South Canton - West Canton #1	219	255	277	303	138	138	10.65	100/100	Steel - 1 pole	1	1	
761	South Canton - West Canton #2	251	335	317	381	138	138	10.19	100/100	Wood - H-frame	1	1	MILES AVENUE, NEGLEY, REEDURBAN
748	South Kenton - West Mount Vernon	143	143	143	143	138	138	32.33	100/100	Wood - 1 pole	1	1	NORTH WALDO, FULTON (OP)
751	South Lancaster - West Lancaster	167	167	210	210	138	138	3.96	100/100	Steel - Lattice	1	1	
2845	South Point - Tri State	302	366	399	436	138	138	7.24	100/100	Wood - 1 pole	1	1	
749	Southeast Canton - Sunnyside	296	392	375	429	138	138	3.2	100/100	Steel - Lattice	1	1	
750	Southeast Canton - Timken	145	183	183	211	138	138	7.44	100/100	Steel - Lattice	1	1	
752	Southwest Lima - West Lima	348	388	440	484	138	138	5.35	100/100	Wood - 1 pole	1	1	
4842	Southwest Lima - West Moulton	164	180	213	227	138	138	13.34	100/100	Wood - 1 pole	1	1	
8433	Sporn - Waterford (IPP)	1239	1566	1564	1809	345	345	45.61	150/150	Steel - Lattice	1	1	
28201	Sporn South - Sporn South	257	257	325	325	138	138	10	100/100	Steel - Lattice	1	1	
25279	Stemple - Tidd	1409	1409	1781	1781	345	345	34.2	150/150	Steel - Lattice	1	1	
753	Steubenville - Tidd	164	180	213	227	138	138	7.29	100/100	Steel - Lattice	1	1	
755	Sunnyside - Torrey 138kV	195	220	216	239	138	138	3.95	100/100	Steel - Lattice	1	1	
756	Sunnyside - Wagenhals	296	392	375	452	138	138	7.24	100/100	Wood - H-frame	1	1	
25280	Tidd - West Bellaire	971	1318	1234	1522	345	345	18.9	150/150	Steel - 1 pole	1	1	
759	Tidd - Wheeling Steel #1	187	205	247	258	138	138	5.1	100/100	Steel - Lattice	1	1	
760	Tidd - Wheeling Steel #2	187	205	247	258	138	138	5.14	100/100	Steel - Lattice	1	1	
16817	Timber Road #2 - Timber Switch	167	245	210	271	138	138	0.03	100/100	Steel - 1 pole	1	1	
20117	Wagenhals - Wayview	251	335	317	363	138	138	12.32	100/100	Steel - 1 pole	1	1	BELDEN VILLAGE
762	Wagenhals - West Canton	205	205	258	258	138	138	10.08	100/100	Steel - 1 pole	1	1	PACKARD, NORTHEAST CANTON
18299	Ware Road - Waverly	150	150	189	189	138	138	3.1	100/100	Wood - H-frame	1	1	
765	Wayview - West Canton	219	255	277	303	138	138	4.17	100/100	Steel - 1 pole	1	1	PROMWAY

PUCO Form FE-T7: AEP Ohio Power  
Characteristics of Existing Transmission Lines

Transmission Name & Line No. <sup>a</sup>	Point of (Origin - Terminus)	Summer Capability		Winter Capability		Operating Voltage (kV)	Design Voltage (kV)	Right-of-Way		Type of Supporting Structure	Number of Circuits		Substations on the Line
List Each Transmission Line of 125 kV or More	Indicate Location of Line's Beginning and Terminus	Normal Rating	Emergency Rating	Normal Rating	Emergency Rating	Indicate Design Voltage and Operating Voltage For Each Line		Length (Miles)	Width Max./Min. (feet)	Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure	Design	Installed	Substation Name
19340	West Hebron - West Millersport	167	245	210	271	138	138	6.32	100/100	Steel - Lattice	1	1	
12477	West Millersburg - Wooster	185	185	234	234	138	138	15.18	100/100	Wood - 1 pole	1	1	

a. Indicate with \* if transmission line is an interconnection with another electric transmission owner and list the other transmission owner's name.

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
ACADEMIA	T	138	Academia - North Lexington	E
ACADEMIA	T	138	Academia - Ohio Central	E
ACADEMIA	T	138	Academia - West Mount Vernon	E
ADAMS (CSP)	T	138	Adams - Seaman	E
ADAMS (CSP)	T	138	Adams - Ware Road	E
ADDISON	T	138	Addison - Lick - Sporn	E
ADKINS	T	345	Adkins - Beatty Road	E
AMLIN	D	138	Amlin - Cole	E
AMLIN	D	138	Amlin - Hyatt	E
AMLIN	D	138	Amlin - Sumac #1	E
AMLIN	D	138	Amlin - Sumac #2	E
APPLE CREEK	D	138	East Wooster - South Canton	E
ASTOR	D	138	Astor - East Broad Street	E
ASTOR	D	138	Astor - Groves - Shannon	E
BEATTY ROAD	T	345	Adkins - Beatty Road	E
BEATTY ROAD	T	138	Beatty - Bolton	E
BEATTY ROAD	T	345	Beatty - Cole	E
BEATTY ROAD	T	345	Beatty Road - Bixby	E
BEATTY ROAD	T	345	Beatty Road - Greene	E
BEATTY ROAD	T	138	Beatty Road - Harrison (CSP)	E
BEATTY ROAD	T	138	Beatty Road - McComb	E
BEATTY ROAD	T	138	Beatty Road - White Road	E
BEATTY ROAD	T	138	Beatty Road - Wilson	E
BELDEN VILLAGE	D	138	Wagenhals - Wayview	E
BELPRE	D	138	*Belpre - Parkersburg (APS)	E
BELPRE	D	138	Belpre - Corner	E
BERKSHIRE	D	138	Berkshire - Trent	E
BERKSHIRE	D	138	Berrywood - Berkshire	E
BETHEL ROAD	T	138	Bethel - Brookside	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
BETHEL ROAD	T	138	Bethel Road - Davidson	E
BETHEL ROAD	T	138	Bethel Road - Linworth	E
BETHEL ROAD	T	138	Bethel Road - Roberts	E
BEVERLY	T	345	Beverly - Holloway	E
BEVERLY	T	345	Beverly - Muskingum	E
BEXLEY	T	138	Bexley - Groves	E
BEXLEY	T	138	Bexley - Saint Clair	E
BEXLEY	T	138	Bexley - Yearling	E
BIXBY	T	345	Beatty Road - Bixby	E
BIXBY	T	345	Biers Run - Bixby	E
BIXBY	T	138	Bixby - Buckeye Steel	E
BIXBY	T	138	Bixby - Groves Road #1	E
BIXBY	T	138	Bixby - Groves Road #2	E
BIXBY	T	345	Bixby - Kirk	E
BIXBY	T	138	Bixby - LSII	E
BIXBY	T	345	Bixby - Ohio Central	E
BIXBY	T	138	Bixby - Shannon	E
BIXBY	T	138	Bixby - West Lancaster	E
BLACKLICK	D	138	Blacklick - East Broad	E
BLACKLICK	D	138	Blacklick - Gahanna	E
BLENDON	D	138	Blendon - Corridor	E
BLENDON	D	138	Blendon - Morse	E
BLOOMFIELD SWITCH	T	138	Philo Switch - South Canton	E
BOLIVAR	D	138	North Intertie (City of Dover) - South Canton	E
BOLTON	D	138	Beatty - Bolton	E
BOLTON	D	138	Bolton - Hall	E
BRICE	D	138	Astor - Brice	E
BRICE	D	138	Brice - Groves - Shannon	E
BRIDGEVILLE	D	138	Philo Switch - South Canton	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
BROADACRE	D	138	June Road - Tidd	E
BROOKSIDE (CS)	D	138	Bethel - Brookside	E
BROOKSIDE (CS)	D	138	Brookside - Sawmill	E
BUCKEYE	D	138	Buckeye Street - Gay Street	E
BUCKLEY ROAD	T	138	Buckley Road - Fostoria Central	E
BUCYRUS CENTER	T	138	Bucyrus Center - Howard	E
CALDWELL	T	138	Herlan - South Caldwell	E
CANAL ROAD	T	138	East Wooster - South Canton	E
CANAL STREET	D	138	Canal Street - Marion Road	E
CANAL STREET	D	138	Canal Street - Mound Street	E
CANAL STREET	D	138	Canal Street - White Road	E
CANTON CENTRAL	T	138	*Bluebell (FE) - Canton Central	E
CANTON CENTRAL	T	138	*Canton Central - Cloverdale (FE)	E
CANTON CENTRAL	T	345	*Canton Central - Hanna (FE)	E
CANTON CENTRAL	T	345	Canton Central - South Canton	E
CANTON CENTRAL	T	138	Canton Central - Southeast Canton 138kV	E
CANTON CENTRAL	T	345	Canton Central - Southeast Canton 345kV	E
CANTON CENTRAL	T	345	Canton Central - Stemple Switch	E
CANTON CENTRAL	T	138	Canton Central - Wagenhals #1	E
CANTON CENTRAL	T	138	Canton Central - Wagenhals #2	E
CARROLLTON	D	138	Carrollton - Gable SW	E
CARROLLTON	D	138	Carrollton - Sunnyside	E
CENTERBURG	D	138	Centerburg - Conesville	E
CENTERBURG	D	138	Centerburg - Trent	E
CENTRAL PORTSMOUTH	T	138	Central Portsmouth - North Portsmouth	E
CHATFIELD	T	138	Howard - Melmore #2	E
CIRCLEVILLE	T	138	Biers Run - Circleville	E
CIRCLEVILLE	T	138	Circleville - Harrison #1	E
CIRCLEVILLE	T	138	Circleville - Harrison #2	E



PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
CIRCLEVILLE	T	138	Circleville - Scippo	E
CLINTON	D	138	Clinton - Huntley - Morse Road	E
CLINTON	D	138	Clinton - Karl Road	E
CLINTON	D	138	Clinton - Kenny	E
CLINTON	D	138	Clinton - OSU	E
CLINTON	D	138	Clinton - Saint Clair	E
CONESVILLE PLANT	T	138	Centerburg - Conesville	E
CONESVILLE PLANT	T	345	Conesville - Corridor	E
CONESVILLE PLANT	T	345	Conesville - Hyatt	E
CONESVILLE PLANT	T	138	Conesville - Newark Center	E
CONESVILLE PLANT	T	138	Conesville - Ohio Central	E
CONESVILLE PLANT	T	345	Conesville - Ohio Central	E
CONESVILLE PREPARATION PLANT	D	138	Conesville - Ohio Central	E
CONGRESS SWITCH	T	138	Belpre - Corner	E
CORNER	D	138	*Corner - Washington (APS)	E
CORNER	D	138	Belpre - Corner	E
CORNER	D	138	Corner - Riverview	E
CORNER	D	138	Corner - Shell	E
CORNER	D	138	Corner - Wolf Creek	E
CORRIDOR	T	138	Blendon - Corridor	E
CORRIDOR	T	345	Conesville - Corridor	E
CORRIDOR	T	138	Corridor - Gahanna 138kV	E
CORRIDOR	T	138	Corridor - Genoa	E
CORRIDOR	T	345	Corridor - Jug Street	E
CORRIDOR	T	138	Corridor - Morse Road	E
CORRIDOR	T	345	Corridor - Vassell #1	E
CORRIDOR	T	345	Corridor - Vassell #2	E
CORWIN	D	138	Corwin - Elk	E
CORWIN	D	138	Corwin - Lick	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
CROOKSVILLE	T	138	Crooksville - Lemaster - Strouds Run	E
CROOKSVILLE	T	138	Crooksville - North Newark	E
CROOKSVILLE	T	138	Crooksville - Philo	E
CROOKSVILLE	T	138	Crooksville - South Lancaster	E
DAVIDSON (CS)	D	138	Bethel Road - Davidson	E
DAVIDSON (CS)	D	138	Britton-Davidson #1	E
DAVIDSON (CS)	D	138	Britton-Davidson #2	E
DAVIDSON (CS)	D	138	Davidson - Roberts	E
DELANO	T	138	Biers Run - Delano	E
DELANO	T	138	Delano - Delano Road (SCP)	E
DELANO	T	138	Delano - Kenworth	E
DELANO	T	138	Delano - Kenworth - Ross	E
DELANO	T	138	Delano - Ross #2	E
DELANO	T	138	Delano - Tuscany	E
DELAWARE (CSP)	T	138	*Darby (DP&L) - Delaware	E
DELAWARE (CSP)	T	138	*Delaware - Tangy (OE)	E
DELAWARE (CSP)	T	138	Berrywood - Delaware	E
DELAWARE (CSP)	T	138	Delaware - Hyatt (CSP)	E
DELAWARE (CSP)	T	138	Delaware - Vassell	E
DEXTER SWITCH	T	138	Dexter Switch - Elliott - Poston	E
DEXTER SWITCH	T	138	Dexter Switch - Meigs No. 2 (Socco)	E
DEXTER SWITCH	T	138	Dexter Switch - Rutland	E
DOGWOOD RIDGE	D	138	East Wheelersburg - Millbrook	E
DON MARQUIS (OP-CS) (OVEC)	T	345	*Don Marquis - Killen (DP&L)	E
DON MARQUIS (OP-CS) (OVEC)	T	345	Biers Run - Don Marquis	E
DON MARQUIS (OP-CS) (OVEC)	T	765	Don Marquis - Hanging Rock	E
DON MARQUIS (OP-CS) (OVEC)	T	138	Don Marquis - Waverly #1	E
DON MARQUIS (OP-CS) (OVEC)	T	138	Don Marquis - Waverly #2	E
DON MARQUIS (OP-CS) (OVEC)	T	138	Don Marquis - Lick	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
DON MARQUIS (OP-CS) (OVEC)	T	138	Don Marquis - South Lucasville	E
DUBLIN (CS)	D	138	Dublin - Sawmill	E
DUBLIN (CS)	D	138	Britton - Dublin	E
DUCK CREEK	D	138	Duck Creek - Levee	E
DUCK CREEK	D	138	Duck Creek - Mill Creek	E
EAST AMSTERDAM	T	138	June Road - Tidd	E
EAST BEAVER	T	138	Don Marquis - Lick	E
EAST BROAD STREET	T	138	Blacklick - East Broad	E
EAST BROAD STREET	T	138	East Broad Street - Kirk #1	E
EAST BROAD STREET	T	138	East Broad Street - Yearling	E
EAST BROAD STREET	T	138	Astor - East Broad Street	E
EAST LEIPSIC	T	138	East Leipsic - Richland	E
EAST LEIPSIC	T	138	East Leipsic - Yellow Creek	E
EAST LIMA	T	138	East Lima - Ford Motor (Lima Switch)	E
EAST LIMA	T	345	East Lima - Fostoria Central	E
EAST LIMA	T	345	East Lima - Hardin Switch	E
EAST LIMA	T	138	East Lima - Haviland	E
EAST LIMA	T	345	East Lima - Maddox Creek	E
EAST LIMA	T	345	East Lima - Marysville	E
EAST LIMA	T	138	East Lima - New Liberty	E
EAST LIMA	T	138	East Lima - North Findlay	E
EAST LIMA	T	138	East Lima - Rockhill	E
EAST LIMA	T	138	East Lima - South Kenton	E
EAST LIMA	T	345	East Lima - Southwest Lima	E
EAST LIMA	T	138	East Lima - Sterling	E
EAST LIMA	T	138	East Lima - West Lima	E
EAST LIMA	T	138	East Lima - Yellow Creek	E
EAST LIVERPOOL	T	138	*East Liverpool - Wylie Ridge (FE)	E
EAST NEW CONCORD	D	138	Muskingum River - West Cambridge	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
EAST POINTE	D	138	Ohio Central - Philo #1	E
EAST PROCTORVILLE	D	138	Darrah - North Proctorville	E
EAST SIDE (LIMA)	T	138	North Delphos - Sterling 138kV	E
EAST WHEELERSBURG	T	138	Bellefonte - East Wheelersburg	E
EAST WHEELERSBURG	T	138	East Wheelersburg - Millbrook	E
EAST WHEELERSBURG	T	138	East Wheelersburg Switch - Texas Eastern	E
EAST WOOSTER	T	138	*Cloverdale (FE) - East Wooster	E
EAST WOOSTER	T	138	East Wooster - South Canton	E
EAST WOOSTER	T	138	East Wooster - Wooster	E
EAST ZANESVILLE	T	138	Ohio Central - Philo #1	E
EASTOWN ROAD	D	138	Rockhill - West Lima	E
ELK	D	138	Corwin - Elk	E
ELK	D	138	Elk - Lemaster	E
ELLIOTT	T	138	Dexter Switch - Elliott - Poston	E
FAIRCREST STREET	D	138	South Canton - Southeast Canton 138kV	E
FIFTH AVENUE	D	138	Hess Street - Wilson Road	E
FINDLAY CENTER	T	138	Ebersole - Findlay Center	E
FISHER	T	138	Fisher - Hall - Wilson	E
FISHER	T	138	Fisher - Roberts	E
FLAG CITY	D	138	Ebersole - New Liberty	E
FLATLICK	T	765	Flatlick - Gavin	E
FLATLICK	T	765	Flatlick - Marysville	E
FORD LIMA SWITCH	T	138	East Lima - Ford Motor (Lima Switch) 138kV	E
FORD LIMA SWITCH	T	138	Ford - Rockhill	E
FOSTORIA CENTRAL	T	345	*Fostoria Central - Lallendorf (FE)	E
FOSTORIA CENTRAL	T	345	*Fostoria Central - Lemoyne (FE)	E
FOSTORIA CENTRAL	T	138	Buckley Road - Fostoria Central	E
FOSTORIA CENTRAL	T	345	East Lima - Fostoria Central	E
FOSTORIA CENTRAL	T	138	Ebersole - Fostoria Central #1	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
FOSTORIA CENTRAL	T	138	Ebersole - Fostoria Central #2	E
FOSTORIA CENTRAL	T	138	Fostoria Central - Melmore	E
FOSTORIA CENTRAL	T	345	Fostoria Central - South Berwick	E
FOSTORIA CENTRAL	T	138	Fostoria Central - West End Fostoria	E
FRAZEYSBURG	D	138	North Newark - Ohio Central	E
FREMONT (OP)	T	138	*Fremont Center - West Fremont (FE)	E
FREMONT CENTER	T	138	*Fremont Center - West Fremont (FE)	E
FREMONT CENTER	T	138	Fremont Center - Tiffin Center #1	E
FREMONT CENTER	T	138	Fremont Center - Tiffin Center #2	E
FULTON (OP)	D	138	South Kenton - West Mount Vernon	E
GAHANNA	D	138	Blacklick - Gahanna	E
GAHANNA	D	138	Corridor - Gahanna 138kV	E
GAHANNA	D	138	Gahanna - Hap Cremean	E
GAHANNA	D	138	Gahanna - West Millersport	E
GAVIN 138KV	T	138	Firebrick - Gavin	E
GAVIN 138KV	T	138	Gavin - North Crown City	E
GAVIN 138KV	T	138	Gavin - Sporn #1	E
GAVIN 138KV	T	138	Gavin - Sporn #2	E
GAVIN 765KV	T	765	Culloden - Gavin	E
GAVIN 765KV	T	765	Flatlick - Gavin	E
GAVIN 765KV	T	765	Gavin - Mountaineer	E
GAY STREET	D	138	Buckeye Steel - Gay Street	E
GAY STREET	D	138	Gay Street - Mccomb	E
GAY STREET	D	138	Gay Street - Vine	E
GENOA	T	138	Corridor - Genoa	E
GENOA	T	138	Genoa - Karl Road - Morse Road	E
GENOA	T	138	Genoa - Maliszewski	E
GENOA	T	138	Genoa - Westar	E
GORSUCH	T	138	Gorsuch - Mill Creek	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
GORSUCH	T	138	Gorsuch - Riverview	E
GREENLAWN	T	138	Greenlawn - Melmore	E
GREENLAWN	T	138	Greenlawn - Tiffin Center	E
GREIF	T	138	Greif - Huntley	E
GREIF	T	138	Greif - Hyatt	E
GRIGGS TERMINAL	T	138	Kenny - Roberts	E
GROVES ROAD	T	138	Astor - Groves - Shannon	E
GROVES ROAD	T	138	Bexley - Groves	E
GROVES ROAD	T	138	Bixby - Groves Road #1	E
GROVES ROAD	T	138	Bixby - Groves Road #2	E
HALL	D	138	Bolton - Hall	E
HALL	D	138	Fisher - Hall - Wilson	E
HANGING ROCK	T	138	Bellefonte - East Wheelersburg	E
HANGING ROCK 765KV	T	765	*DENA (IPP) - Hanging Rock	E
HANGING ROCK 765KV	T	765	Baker - Hanging Rock	E
HANGING ROCK 765KV	T	765	Don Marquis - Hanging Rock	E
HANGING ROCK 765KV	T	765	Hanging Rock - Jefferson	E
HANGING ROCK 765KV	T	765	Hanging Rock - North Proctorville	E
HARDIN SWITCH	T	345	East Lima - Hardin Switch	E
HARDIN SWITCH	T	345	Hardin Switch - Marysville	E
HARGUS	D	138	Hargus (CCA) - Scippo	E
HARMAR HILL	D	138	Gorsuch - Mill Creek	E
HARRISON	T	138	Beatty Road - Harrison (CSP)	E
HARRISON	T	138	Circleville - Harrison #1	E
HARRISON	T	138	Circleville - Harrison #2	E
HARRISON	T	138	Harrison - Lemaster	E
HARRISON	T	138	Harrison (CSP) - Marion Road	E
HARRISON	T	138	Harrison (CSP) - South Central	E
HAVILAND	T	138	East Lima - Haviland	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
HAVILAND	T	138	Haviland - Timber Switch	E
HAVILAND	T	138	Haviland - Trishe Wind	E
HAYDEN	T	345	Cole - Hayden	E
HAYDEN	T	345	Hayden Switch - Hyatt (CSP)	E
HAYDEN	T	345	Hayden Switch - Roberts #1	E
HAYDEN	T	345	Hayden Switch - Roberts #2	E
HEATH	T	138	Heath - North Newark	E
HEATH	T	138	Heath - West Millersport	E
HESS STREET	D	138	Hess Street - OSU	E
HESS STREET	D	138	Hess Street - Vine	E
HESS STREET	D	138	Hess Street - Wilson Road	E
HIGHLAND (CS)	D	138	Highland (CSP) - Hillsboro	E
HIGHLAND (CS)	D	138	Highland (CSP) - Seaman	E
HILLSBORO	T	138	*Hillsboro - Hutchings (DP&L)	E
HILLSBORO	T	138	*Hillsboro - Warren (Duke)	E
HILLSBORO	T	138	Highland (CSP) - Hillsboro	E
HILLSBORO	T	138	Hillsboro - Millbrook Park	E
HILLSBORO	T	138	Hillsboro - Wildcat	E
HILLVIEW DRIVE	D	138	Newcomerstown - West New Philadelphia	E
HOCKING	T	138	Hocking - Lemaster	E
HOCKING	T	138	Hocking - West Lancaster	E
HOWARD	T	138	*Brookside (FE) - Howard	E
HOWARD	T	138	*Howard - Shelby #1	E
HOWARD	T	138	Bucyrus Center - Howard	E
HOWARD	T	138	Howard - Melmore #1	E
HOWARD	T	138	Howard - Melmore #2	E
HOWARD	T	138	Howard - North Bellville	E
HOWARD	T	138	Howard - North Lexington	E
HUNTLEY	T	138	Clinton - Huntley - Morse Road	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
HUNTLEY	T	138	Greif - Huntley	E
HUNTLEY	T	138	Huntley - Linworth	E
HYATT	T	138	Amlin - Hyatt	E
HYATT	T	345	Conesville - Hyatt	E
HYATT	T	138	Delaware - Hyatt (CSP)	E
HYATT	T	138	Greif - Hyatt	E
HYATT	T	345	Hayden Switch - Hyatt (CSP)	E
HYATT	T	345	Hyatt - Vassell	E
HYATT	T	138	Hyatt (CSP) - Maliszewski #1	E
HYATT	T	138	Hyatt (CSP) - Maliszewski #2	E
HYATT	T	138	Hyatt (CSP) - Sawmill #1	E
HYATT	T	138	Hyatt (CSP) - Sawmill #2	E
HYATT	T	345	Hyatt (OP) - Marysville	E
HYATT	T	345	Hyatt (OP) - Tangy	E
HYATT	T	345	Hyatt (OP) - West Millersport	E
HYATT SWITCH	T	345	Hyatt (OP) - Tangy	E
HYATT SWITCH	T	345	Hyatt (OP) - West Millersport	E
ISABELLA	D	138	Isabella - North Newark	P
ISABELLA	D	138	Isabella - Crooksville	P
ITALIAN VILLAGE	T	138	Italian Village - Saint Clair	E
ITALIAN VILLAGE	T	138	Italian Village - Vine	E
JUG STREET	T	345	Corridor - Jug Street	E
JUG STREET	T	345	Jug Street - Kirk 345kV	E
JUG STREET	T	138	Jug Street - Smiths Mill	E
KARL ROAD	D	138	Clinton - Karl Road	E
KARL ROAD	D	138	Genoa - Karl Road - Morse Road	E
KENNY	D	138	Clinton - Kenny	E
KENNY	D	138	Kenny - Roberts	E
KIMBERLY	D	138	Hocking - Lemaster	E



PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
KIRK	T	138	Babbitt - Kirk	E
KIRK	T	345	Bixby - Kirk	E
KIRK	T	138	East Broad Street - Kirk #2	E
KIRK	T	345	Jug Street - Kirk 345kV	E
KIRK	T	138	Kirk - Mink	E
KIRK	T	138	Kirk - Newark Center	E
KIRK	T	138	Kirk - West Hebron	E
KIRK	T	345	Kirk - West Millersport 345kV	E
LAYMAN	D	138	Corner - Wolf Creek	E
LEESVILLE (OP)	D	138	Leesville - Yager	E
LEESVILLE (OP)	D	138	Azalea - Leesville	E
LEVEE	D	138	Belmont (FE) - Levee	E
LEVEE	D	138	Duck Creek - Levee	E
LICK	T	138	Addison - Lick - Sporn	E
LICK	T	138	Corwin - Lick	E
LICK	T	138	Don Marquis - Lick	E
LINWORTH	D	138	Bethel Road - Linworth	E
LINWORTH	D	138	Huntley - Linworth	E
LOCKWOOD ROAD	T	138	*Lockwood Road - Richland (FE)	E
LOCKWOOD ROAD	T	138	Lockwood Road - Robison Park	E
LSII	D	138	Bixby - LSII	E
LSII	D	138	LSII - Marion Road	E
MACKSBURG	D	138	Macksburg - South Caldwell	E
MALISZEWSKI 138KV	T	138	Genoa - Maliszewski	E
MALISZEWSKI 138KV	T	138	Hyatt (CSP) - Maliszewski #1	E
MALISZEWSKI 138KV	T	138	Hyatt (CSP) - Maliszewski #2	E
MALISZEWSKI 138KV	T	138	Maliszewski - Polaris	E
MALISZEWSKI 138KV	T	765	Maliszewski - Marysville	E
MALISZEWSKI 138KV	T	765	Maliszewski - Vassell	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
MARION ROAD	T	138	Canal Street - Marion Road	E
MARION ROAD	T	138	Harrison (CSP) - Marion Road	E
MARION ROAD	T	138	LSII - Marion Road	E
MARYSVILLE	T	345	East Lima - Marysville	E
MARYSVILLE	T	765	Flatlick - Marysville	E
MARYSVILLE	T	345	Hardin Switch - Marysville	E
MARYSVILLE	T	345	Hyatt (OP) - Marysville	E
MARYSVILLE	T	765	Maliszewski - Marysville	E
MARYSVILLE	T	765	Marysville - Sorenson	E
MARYSVILLE	T	345	Marysville - Southwest Lima	E
MARYSVILLE	T	345	Marysville - Tangy	E
MCCOMB (CS)	T	138	Beatty Road - McComb	E
MCCOMB (CS)	T	138	Gay Street - McComb	E
MEIGS COOP SWITCH	T	138	Dexter Switch - Meigs No. 2 (Socco)	E
MEIGS NO. 1	D	138	Dexter Switch - Rutland	E
MIFFLIN	D	138	Mifflin - Saint Clair	E
MIFFLIN	D	138	Mifflin - Stelzer	E
MILES AVENUE	D	138	South Canton - West Canton #2	E
MILL CREEK (CSP)	D	138	Duck Creek - Mill Creek	E
MILL CREEK (CSP)	D	138	Gorsuch - Mill Creek	E
MILLBROOK PARK	T	138	Argentum - Millbrook Park	E
MILLBROOK PARK	T	138	East Wheelersburg - Millbrook	E
MILLBROOK PARK	T	138	Firebrick - Millbrook	E
MILLBROOK PARK	T	138	Hillsboro - Millbrook Park	E
MILLBROOK PARK	T	138	Millbrook Park - North Portsmouth	E
MILLBROOK PARK	T	138	Millbrook Park - South Point	E
MILLS PRIDE SW	T	138	Don Marquis - Waverly #1	E
MILLS PRIDE SW	T	138	Don Marquis - Waverly #2	E
MILLWOOD	D	138	Academia - Ohio Central	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
MILLWOOD	D	138	North Bellville - Ohio Central	E
MINK	D	138	East Broad Street - Mink	E
MINK	D	138	Kirk - Mink	E
MORSE ROAD	D	138	Blendon - Morse	E
MORSE ROAD	D	138	Clinton - Huntley - Morse Road	E
MORSE ROAD	D	138	Corridor - Morse Road	E
MORSE ROAD	D	138	Genoa - Karl Road - Morse Road	E
MORSE ROAD	D	138	Hap Cremean - Morse Road	E
MORSE ROAD	D	138	Morse Road - Stelzer	E
MOUND STREET	D	138	Canal Street - Mound Street	E
MOUND STREET	D	138	Mound Street - Saint Clair (CSP)	E
MULBERRY	D	138	Mulberry Switch - Ross	E
MULBERRY	D	138	Mullberry Switch - Waverly	E
MUSKINGUM RIVER 138KV	T	138	Globe Metal - Muskingum River	E
MUSKINGUM RIVER 138KV	T	138	Muskingum River - Philo	E
MUSKINGUM RIVER 138KV	T	138	Muskingum River - South Caldwell #1	E
MUSKINGUM RIVER 138KV	T	138	Muskingum River - Wolf Creek	E
MUSKINGUM RIVER 138KV	T	138	Muskingum River - South Caldwell #2	E
MUSKINGUM RIVER 345KV	T	345	Beverly - Muskingum	E
MUSKINGUM RIVER 345KV	T	345	Kammer - Muskingum River	E
MUSKINGUM RIVER 345KV	T	345	Muskingum River - Ohio Central	E
MUSKINGUM RIVER 345KV	T	345	Muskingum River - Sporn	E
MUSKINGUM RIVER 345KV	T	345	Muskingum River - Waterford (IPP)	E
MUSKINGUM RIVER 345KV	T	345	Muskingum River - West Millersport #1	E
MUSKINGUM RIVER 345KV	T	345	Muskingum River - West Millersport #2	E
NEGLEY	D	138	South Canton - West Canton #2	E
NEW LIBERTY	T	138	East Lima - New Liberty	E
NEW LIBERTY	T	138	Ebersole - New Liberty	E
NEWARK CENTER	T	138	Conesville - Newark Center	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
NEWARK CENTER	T	138	Crooksville - North Newark	E
NEWARK CENTER	T	138	Kirk - Newark Center	E
NEWCOMERSTOWN	T	138	Newcomerstown - South Coshocton	E
NEWCOMERSTOWN	T	138	Newcomerstown - West Cambridge	E
NEWCOMERSTOWN	T	138	Newcomerstown - West New Philadelphia	E
NORTH BELLVILLE	T	138	Howard - North Bellville	E
NORTH BELLVILLE	T	138	North Bellville - Ohio Central	E
NORTH CROWN CITY	T	138	Gavin - North Crown City	E
NORTH CROWN CITY	T	138	North Crown City - North Proctorville	E
NORTH DELPHOS	T	138	Logtown - North Delphos	E
NORTH DELPHOS	T	138	North Delphos - Sterling	E
NORTH FINDLAY	T	138	East Lima - North Findlay	E
NORTH FINDLAY	T	138	Ebersole - North Findlay	E
NORTH LEXINGTON	D	138	Academia - North Lexington	E
NORTH LEXINGTON	D	138	Howard - North Lexington	E
NORTH MUSKINGUM	T	138	Muskingum River - Philo	E
NORTH MUSKINGUM	T	138	Muskingum River - West Cambridge	E
NORTH NEWARK	T	138	Crooksville - North Newark	E
NORTH NEWARK	T	138	Heath - North Newark	E
NORTH NEWARK	T	138	North Newark - Ohio Central	E
NORTH NEWARK	T	138	North Newark - Sharp Road	E
NORTH PORTSMOUTH	T	138	Central Portsmouth - North Portsmouth	E
NORTH PORTSMOUTH	T	138	Millbrook Park - North Portsmouth	E
NORTH PORTSMOUTH	T	138	North Portsmouth - South Lucasville	E
NORTH PROCTORVILLE	T	765	Amos - North Proctorville	E
NORTH PROCTORVILLE	T	138	Bellefonte - North Proctorville	E
NORTH PROCTORVILLE	T	138	Darrah - North Proctorville	E
NORTH PROCTORVILLE	T	138	East Huntington -North Proctorville	E
NORTH PROCTORVILLE	T	765	Hanging Rock - North Proctorville	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
NORTH PROCTORVILLE	T	138	North Crown City - North Proctorville	E
NORTH PROCTORVILLE	T	138	North Proctorville - South Point	E
NORTH STRASBURG	D	138	Philo Switch - South Canton	E
NORTH WALDO	T	138	South Kenton - West Mount Vernon	E
NORTH WOODCOCK	T	138	East Lima - North Findlay	E
NORTH ZANESVILLE	D	138	North Zanesville - Powelson	E
NORTH ZANESVILLE	D	138	North Zanesville - Zanesville	E
NORTHEAST CANTON	T	138	Wagenhals - West Canton	E
NORTHWEST LIMA	D	138	East Lima - West Lima	E
OHIO CENTRAL	T	138	Academia - Ohio Central	E
OHIO CENTRAL	T	345	Bixby - Ohio Central	E
OHIO CENTRAL	T	138	Conesville - Ohio Central	E
OHIO CENTRAL	T	345	Conesville - Ohio Central	E
OHIO CENTRAL	T	138	Dresden - Ohio Central	E
OHIO CENTRAL	T	345	Galion - Ohio Central	E
OHIO CENTRAL	T	345	Muskingum River - Ohio Central	E
OHIO CENTRAL	T	138	North Bellville - Ohio Central	E
OHIO CENTRAL	T	138	North Newark - Ohio Central	E
OHIO CENTRAL	T	138	Ohio Central - Philo #1	E
OHIO CENTRAL	T	138	Ohio Central - Philo #2	E
OHIO CENTRAL	T	138	Ohio Central - Powelson	E
OHIO CENTRAL	T	138	Ohio Central - South Coshocton	E
OHIO CENTRAL	T	138	Ohio Central - West Millersburg	E
ORDNANCE JUNCTION SWITCH	T	138	Ordinance Junction Switch - Southwest Lima 138kV	E
ORDNANCE JUNCTION SWITCH	T	138	Ordinance Junction Switch - Sterling 138kV	E
OSU	D	138	Clinton - OSU	E
OSU	D	138	Hess Street - OSU	E
OSU	D	138	OSU - West Campus	E
PACKARD	D	138	Wagenhals - West Canton	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
PHILO SWITCH	T	138	Crooksville - Philo	E
PHILO SWITCH	T	138	Muskingum River - Philo	E
PHILO SWITCH	T	138	Muskingum River - West Cambridge	E
PHILO SWITCH	T	138	Ohio Central - Philo #1	E
PHILO SWITCH	T	138	Ohio Central - Philo #2	E
PHILO SWITCH	T	138	Philo - Zanesville	E
PHILO SWITCH	T	138	Philo Switch - South Canton	E
POLARIS	D	138	Maliszewski - Polaris	E
POLARIS	D	138	Polaris - Westar	E
PORTERFIELD	D	138	Corner - Shell	E
POWELSON	D	138	North Zanesville - Powelson	E
POWELSON	D	138	Ohio Central - Powelson	E
PROMWAY	D	138	Wayview - West Canton	E
REAVES	D	138	Gay - Reaver	E
REAVES	D	138	McComb - Reaver	E
REEDURBAN	T	138	South Canton - West Canton #2	E
REEDURBAN	D	138	South Canton - West Canton #2	E
RENO	D	138	Belmont (FE) - Levee	E
RIO	D	138	Addison - Lick - Sporn	E
RIVERVIEW (CSP)	D	138	Corner - Riverview	E
RIVERVIEW (CSP)	D	138	Elkem Metals - Riverview	E
RIVERVIEW (CSP)	D	138	Gorsuch - Riverview	E
RIVERVIEW (CSP)	D	138	Riverview - Williams Creek(APS)	E
ROBERTS	T	138	Bethel Road - Roberts	E
ROBERTS	T	138	Davidson - Roberts	E
ROBERTS	T	138	Fisher - Roberts	E
ROBERTS	T	345	Hayden Switch - Roberts #1	E
ROBERTS	T	345	Hayden Switch - Roberts #2	E
ROBERTS	T	138	Kenny - Roberts	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
ROBERTS	T	138	Roberts - West Campus	E
ROBERTS	T	138	Roberts - Wilson	E
ROCKHILL (OP)	T	138	East Lima - Rockhill	E
ROCKHILL (OP)	T	138	Ford - Rockhill	E
ROCKHILL (OP)	T	138	Rockhill - West Lima	E
ROSS	T	138	Delano - Kenworth - Ross	E
ROSS	T	138	Delano - Ross #2	E
ROSS	T	138	Lemaster - Ross	E
ROSS	T	138	Mulberry Switch - Ross	E
ROZELLE	D	138	Mullberry Switch - Waverly	E
RUTLAND	T	138	Dexter Switch - Rutland	E
RUTLAND	T	138	Rutland - Sporn	E
SAINT CLAIR AVENUE (CS)	D	138	*Italian Village - Saint Clair	E
SAINT CLAIR AVENUE (CS)	D	138	Bexley - Saint Clair	E
SAINT CLAIR AVENUE (CS)	D	138	Mifflin - Saint Clair	E
SAINT CLAIR AVENUE (CS)	D	138	Mound Street - Saint Clair (CSP)	E
SAINT CLAIR AVENUE (CS)	D	138	Clinton - Saint Clair	E
SAWMILL	T	138	Brookside - Sawmill	E
SAWMILL	T	138	Dublin - Sawmill	E
SAWMILL	T	138	Hyatt (CSP) - Sawmill #1	E
SAWMILL	T	138	Hyatt (CSP) - Sawmill #2	E
SCIOTO TRAIL (CS)	D	138	Scioto Trail - Scippo	E
SCIOTO TRAIL (CS)	D	138	Scioto Trail(CSP) - Tuscany	E
SCIPPO	D	138	Circleville - Scippo	E
SCIPPO	D	138	Hargus (CCA) - Scippo	E
SCIPPO	D	138	Scioto Trail - Scippo	E
SEAMAN	T	138	Adams - Seaman	E
SEAMAN	T	138	Highland (CSP) - Seaman	E
SHANNON	D	138	Astor - Groves - Shannon	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
SHANNON	D	138	Bixby - Shannon	E
SHARP ROAD	T	138	North Newark - Sharp Road	E
SHARP ROAD	T	138	Sharp Road - West Mount Vernon	E
SHAWNEE ROAD	T	138	Ordinance Junction Switch - Southwest Lima	E
SOMERTON	T	138	Herlan - Natrium #2	E
SOUTH BALTIMORE	T	138	West Lancaster - West Millersport	E
SOUTH BERWICK	T	345	*Galion (FE) - South Berwick	E
SOUTH CADIZ	T	138	Freebyrd - South Cadiz	E
SOUTH CADIZ	T	138	Gable SW - South Cadiz	E
SOUTH CALDWELL	T	138	Herlan - South Caldwell	E
SOUTH CALDWELL	T	138	Macksburg - South Caldwell	E
SOUTH CALDWELL	T	138	Muskingum River - South Caldwell #1	E
SOUTH CALDWELL	T	138	Muskingum River - South Caldwell #2	E
SOUTH CALDWELL	T	138	South Caldwell - South Cumberland	E
SOUTH CALDWELL	T	138	South Caldwell - Steamtown	E
SOUTH CANTON 138KV	T	138	East Wooster - South Canton	E
SOUTH CANTON 138KV	T	138	North Intertie (City of Dover) - South Canton	E
SOUTH CANTON 138KV	T	138	Philo Switch - South Canton	E
SOUTH CANTON 138KV	T	138	South Canton - Southeast Canton 138kV	E
SOUTH CANTON 138KV	T	138	South Canton - Timken - Richville Switch	E
SOUTH CANTON 138KV	T	138	South Canton - Torrey	E
SOUTH CANTON 138KV	T	138	South Canton - West Canton #2	E
SOUTH CANTON 138KV	T	138	South Canton - West Canton #1	E
SOUTH CANTON 345KV	T	345	*South Canton - Sammis (FE)	E
SOUTH CANTON 345KV	T	345	Canton Central - South Canton	E
SOUTH CANTON 345KV	T	345	Harmon (FE) - South Canton	E
SOUTH CANTON 345KV	T	345	South Canton - Southeast Canton 345kV	E
SOUTH CANTON 765KV	T	765	Kammer - South Canton	E
SOUTH COSHOCTON	T	138	Newcomerstown - South Coshocton	E



PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
SOUTH COSHOCTON	T	138	Ohio Central - South Coshocton	E
SOUTH CUMBERLAND	T	138	South Caldwell - South Cumberland	E
SOUTH HICKSVILLE	T	138	Lockwood Road - Robison Park	E
SOUTH KENTON	T	138	East Lima - South Kenton	E
SOUTH KENTON	T	138	South Kenton - West Mount Vernon	E
SOUTH LANCASTER	T	138	Crooksville - South Lancaster	E
SOUTH LANCASTER	T	138	South Lancaster - West Lancaster	E
SOUTH LUCASVILLE	D	138	Don Marquis - South Lucasville	E
SOUTH LUCASVILLE	D	138	North Portsmouth - South Lucasville	E
SOUTH MILLERSBURG	T	138	Ohio Central - West Millersburg	E
SOUTH POINT	T	138	Apple Grove - South Point	E
SOUTH POINT	T	138	Millbrook Park - South Point	E
SOUTH POINT	T	138	North Proctorville - South Point	E
SOUTH POINT	T	138	South Point - Tri State	E
SOUTH TIFFIN	T	138	Melmore - West End Fostoria	E
SOUTH TORONTO	T	138	*South Toronto - Weirton (FE) - Wylie Ridge (FE)	E
SOUTHEAST CANTON	T	138	Canton Central - Southeast Canton 138kV	E
SOUTHEAST CANTON	T	345	Canton Central - Southeast Canton 345kV	E
SOUTHEAST CANTON	T	138	South Canton - Southeast Canton 138kV	E
SOUTHEAST CANTON	T	345	South Canton - Southeast Canton 345kV	E
SOUTHEAST CANTON	T	138	Southeast Canton - Sunnyside	E
SOUTHEAST CANTON	T	138	Southeast Canton - Timken	E
SOUTHWEST LIMA	T	345	*Shelby (DP&L) - Southwest Lima	E
SOUTHWEST LIMA	T	345	East Lima - Southwest Lima	E
SOUTHWEST LIMA	T	345	Marysville - Southwest Lima	E
SOUTHWEST LIMA	T	138	Ordnance Junction Switch - Southwest Lima	E
SOUTHWEST LIMA	T	138	Southwest Lima - West Lima	E
SOUTHWEST LIMA	T	138	Southwest Lima - West Moulton	E
SPRING ROAD SWITCH	T	138	Genoa - Karl Road - Morse Road	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
STELZER	T	138	Morse Road - Stelzer	E
STELZER	T	138	Mifflin - Stelzer	E
STERLING	T	138	East Lima - Sterling	E
STERLING	T	138	North Delphos - Sterling 138kV	E
STERLING	T	138	Ordinance Junction Switch - Sterling	E
STEUBENVILLE	T	138	Steubenville - Tidd	E
STONE PLANT SWITCH	T	138	Freebyrd - South Cadiz	E
STRASBURG	D	138	Philo Switch - South Canton	E
STROUDS RUN	T	138	Crooksville - Lemaster - Strouds Run	E
SUGARCREEK TERMINAL	D	138	Philo Switch - South Canton	E
SULLIVANT TERMINAL	T	138	Gay Street - McComb	E
SULPHUR SPRINGS	D	138	Bucyrus Center - Howard	E
SUMMERFIELD	T	138	Blue Racer - Summerfield	E
SUMMERFIELD	T	138	Herlan - Summerfield	E
SUMMERFIELD	T	138	Steamtown - Summerfield	E
SUNNYSIDE	T	138	Carrollton - Sunnyside	E
SUNNYSIDE	T	138	Southeast Canton - Sunnyside	E
SUNNYSIDE	T	138	Sunnyside - Torrey 138kV	E
SUNNYSIDE	T	138	Sunnyside - Wagenhals	E
SWITZER	T	138	Herlan - Natrium #1	E
TAYLOR	D	138	East Broad - Mink	E
TAYLOR	D	138	East Broad Street - Kirk #1	E
THAYER ROAD	D	138	East Lima - Sterling	E
TIDD 138KV	T	138	*Tidd - Weirton (FE) #1	E
TIDD 138KV	T	138	*Tidd - Weirton (FE) #2	E
TIDD 138KV	T	138	Gable SW - Tidd	E
TIDD 138KV	T	138	June Road - Tidd	E
TIDD 138KV	T	138	Sand Hill - Tidd	E
TIDD 138KV	T	138	Sand Hill - Tidd #2	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
TIDD 138KV	T	138	Steubenville - Tidd	E
TIDD 138KV	T	138	Tidd - Wheeling Steel #1	E
TIDD 138KV	T	138	Tidd - Wheeling Steel #2	E
TIDD 345KV	T	345	*Collier (DLC) - Tidd	E
TIDD 345KV	T	345	*Tidd - Wylie Ridge (FE)	E
TIDD 345KV	T	345	Holloway - Tidd	E
TIDD 345KV	T	345	Stemple - Tidd	E
TIDD 345KV	T	345	Tidd - West Bellaire	E
TIDD 69KV	T	138	Fulton - Tidd	E
TIDD 69KV	T	138	Fort Steuben - Tidd #1	E
TIDD 69KV	T	138	Fort Steuben - Tidd #2	E
TIDD 69KV	T	138	Tidd - Warwood	E
TIFFIN CENTER	T	138	Fremont Center - Tiffin Center #1	E
TIFFIN CENTER	T	138	Fremont Center - Tiffin Center #2	E
TIFFIN CENTER	T	138	Greenlawn - Tiffin Center	E
TIFFIN CENTER	T	138	Melmore - Tiffin Center	E
TILTONSVILLE	T	138	*West Bellaire - Windsor (FE)	E
TIMKEN	T	138	Southwest Canton - Timken	E
TIMKEN	T	138	Timken Richville - Timken	E
TIMKEN RICHVILLE SW	T	138	Timken Richville - Timken	E
TORREY	T	138	*Cloverdale (FE) - Torrey	E
TORREY	T	138	South Canton - Torrey	E
TORREY	T	138	Sunnyside - Torrey 138kV	E
TRABUE	D	138	Fisher - Roberts	E
TRENT	D	138	Berkshire - Trent	E
TRENT	D	138	Centerburg - Trent	E
TRIMBLE	D	138	Crooksville - Lemaster - Strouds Run	E
VINE	D	138	*Italian Village - Vine	E
VINE	D	138	City of Columbus - Vine #1	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
VINE	D	138	City of Columbus - Vine #2	E
VINE	D	138	Gay Street - Vine	E
VINE	D	138	Hess Street - Vine	E
WAGENHALS	T	138	Canton Central - Wagenhals #2	E
WAGENHALS	T	138	June Road - Wagenhals	E
WAGENHALS	T	138	LTV Steel - Wagenhals #2	E
WAGENHALS	T	138	Wagenhals - Wayview	E
WAGENHALS	T	138	Wagenhals - West Canton	E
WAGENHALS	T	138	Sunnyside - Wagenhals	E
WAGENHALS	T	138	LTV Steel - Wagenhals #1	E
WAKEFIELD	T	138	Don Marquis - South Lucasville	E
WATERFORD (OPC)	T	345	Muskingum River - Waterford (IPP)	E
WATERFORD (OPC)	T	345	Sporn - Waterford (IPP)	E
WAVERLY	T	138	Don Marquis - Waverly #1	E
WAVERLY	T	138	Don Marquis - Waverly #2	E
WAVERLY	T	138	Mullberry Switch - Waverly	E
WAVERLY	T	138	Ware Road - Waverly	E
WAYVIEW	T	138	Wagenhals - Wayview	E
WAYVIEW	T	138	Wayview - West Canton	E
WEST BELLAIRE	T	138	*West Bellaire - Windsor (FE)	E
WEST BELLAIRE	T	138	Brues - West Bellaire #1	E
WEST BELLAIRE	T	138	Brues - West Bellaire #2	E
WEST BELLAIRE	T	345	Kammer - West Bellaire	E
WEST BELLAIRE	T	138	Kammer South - West Bellaire	E
WEST BELLAIRE	T	345	Tidd - West Bellaire	E
WEST CAMBRIDGE	T	138	Muskingum River - West Cambridge	E
WEST CAMBRIDGE	T	138	Newcomerstown - West Cambridge	E
WEST CAMPUS	D	138	OSU - West Campus	E
WEST CAMPUS	D	138	Roberts - West Campus	E
WEST CANTON	T	138	*Dale (FE) - West Canton	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
WEST CANTON	T	138	South Canton - West Canton #2	E
WEST CANTON	T	138	South Canton - West Canton #1	E
WEST CANTON	T	138	Wagenhals - West Canton	E
WEST CANTON	T	138	Wayview - West Canton	E
WEST COSHOCTON	T	138	Ohio Central - West Millersburg	E
WEST DOVER	T	138	Philo Switch - South Canton	E
WEST END FOSTORIA	T	138	*Lemoyne (FE) - West End Fostoria - Woodville	E
WEST END FOSTORIA	T	138	Fostoria Central - West End Fostoria	E
WEST END FOSTORIA	T	138	Melmore - West End Fostoria	E
WEST HEBRON	T	138	Kirk - West Hebron	E
WEST HEBRON	T	138	West Hebron - West Millersport	E
WEST LANCASTER	T	138	Bixby - West Lancaster	E
WEST LANCASTER	T	138	Clouse - West Lancaster	E
WEST LANCASTER	T	138	Hocking - West Lancaster	E
WEST LANCASTER	T	138	South Lancaster - West Lancaster	E
WEST LANCASTER	T	138	West Lancaster - West Millersport	E
WEST LIMA	T	138	East Lima - West Lima	E
WEST LIMA	T	138	Rockhill - West Lima	E
WEST LIMA	T	138	Southwest Lima - West Lima	E
WEST MILLERSBURG	D	138	Ohio Central - West Millersburg	E
WEST MILLERSBURG	D	138	West Millersburg - Wooster	E
WEST MILLERSPORT	T	138	Gahanna - West Millersport	E
WEST MILLERSPORT	T	138	Heath - West Millersport	E
WEST MILLERSPORT	T	345	Hyatt (OP) - West Millersport	E
WEST MILLERSPORT	T	345	Kirk - West Millersport 345kV	E
WEST MILLERSPORT	T	345	Muskingum River - West Millersport #1	E
WEST MILLERSPORT	T	345	Muskingum River - West Millersport #2	E
WEST MILLERSPORT	T	138	North Fairfield - West Millersport	E
WEST MILLERSPORT	T	138	West Hebron - West Millersport	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
WEST MILLERSPORT	T	138	West Lancaster - West Millersport	E
WEST MOULTON	T	138	Southwest Lima - West Moulton	E
WEST MOUNT VERNON	T	138	Academia - West Mount Vernon	E
WEST MOUNT VERNON	T	138	Sharp Road - West Mount Vernon	E
WEST MOUNT VERNON	T	138	South Kenton - West Mount Vernon	E
WEST NEW PHILADELPHIA	T	138	Newcomerstown - West New Philadelphia	E
WEST NEW PHILADELPHIA	T	138	North Intertie (City of Dover) - West New Philadelphia	E
WEST PHILO	D	138	Philo - Zanesville	E
WEST TRINWAY	D	138	Academia - Ohio Central	E
WESTAR	T	138	Genoa - Westar	E
WESTAR	T	138	Polaris - Westar	E
WHITE ROAD	D	138	Beatty Road - White Road	E
WHITE ROAD	D	138	Canal Street - White Road	E
WILDCAT	D	138	*Kenton (LGE-KU) - Wildcat	E
WILDCAT	D	138	Hillsboro - Wildcat	E
WILKESVILLE	D	138	Dexter Switch - Meigs No. 2 (Socco)	E
WILSON ROAD	T	138	Beatty Road - Wilson	E
WILSON ROAD	T	138	Fisher - Hall - Wilson	E
WILSON ROAD	T	138	Hess Street - Wilson Road	E
WILSON ROAD	T	138	Roberts-Wilson	E
WOLF CREEK (CSP)	T	138	Corner - Wolf Creek	E
WOLF CREEK (CSP)	T	138	Muskingum River - Wolf Creek	E
WOODLAWN (OP)	D	138	East Lima - West Lima	E
WOOSTER	T	138	East Wooster - Wooster	E
WOOSTER	T	138	West Millersburg - Wooster	E
YEARLING	D	138	Bexley - Yearling	E
YEARLING	D	138	East Broad Street - Yearling	E
ZANESVILLE	T	138	Clouse - Zanesville	E
ZANESVILLE	T	138	North Zanesville - Zanesville	E

PUCO Form FE-T8: AEP Ohio  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
ZANESVILLE	T	138	Philo - Zanesville	E
ZUBER	D	138	Beatty Road - Harrison (CSP)	E

a. Indicate with \* if transmission line is an interconnection with another electric transmission owner and list the other transmission owner's name.

PUCO FORM FE-T9  
AEP OHIO  
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	LINE NAME AND NUMBER:	Harrison - Madison 69kV (S1493)
2.	POINTS OF ORIGIN AND TERMINATION	Harrison, Madison; INTERMEDIATE STATION - Dry Run Switch, Big Darby Switch, 3 customer DP's
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	25.5 miles / 60 ft / 1 circuit (of rebuild construction)
4.	VOLTAGE: DESIGN / OPERATE	69kV / 69kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2019-2022
7.	CAPITAL INVESTMENT:	\$3M
8.	PLANNED SUBSTATION:	NAME - Dry Run Switch, Big Darby Switch; TRANSMISSION VOLTAGE - 69kV / 69kV; ACREAGE - 0.25 / 0.25; LOCATION - Columbus, Ohio
9.	SUPPORTING STRUCTURES:	Steel
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Close loop between two radial lines. Rebuild existing deteriorated facilities.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Radial lines will remain. Rebuild of lines will become much more expensive. Reliability will continue to deteriorate.
13.	MISCELLANEOUS:	N/A



PUCO FORM FE-T9  
AEP OHIO  
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	LINE NAME AND NUMBER:	Clutch - Tigers 69kV (S1511)
2.	POINTS OF ORIGIN AND TERMINATION	Clutch / Tigers; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	1.8 mi / 60 ft / single-circuit
4.	VOLTAGE: DESIGN / OPERATE	69kV / 69kV
5.	APPLICATION FOR CERTIFICATE:	N/A (69kV)
6.	CONSTRUCTION:	2019-2020
7.	CAPITAL INVESTMENT:	\$3M
8.	PLANNED SUBSTATION:	NAME - Tigers (OH Transco); TRANSMISSION VOLTAGE - 69kV; ACREAGE - 1; LOCATION - Smithville
9.	SUPPORTING STRUCTURES:	Steel poles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Rebuild overloaded T-Line section
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Real-time system overloads; load shed
13.	MISCELLANEOUS:	N/A

PUCO FORM FE-T9  
AEP OHIO  
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	LINE NAME AND NUMBER:	Clark Street - Strouds Run 69kV circuit (B2792)
2.	POINTS OF ORIGIN AND TERMINATION	Clark Street - Strouds Run; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	3.9 miles / 60 ft / 1 circuit
4.	VOLTAGE: DESIGN / OPERATE	69kV / 69kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	9/1/2020
7.	CAPITAL INVESTMENT:	\$7.5M
8.	PLANNED SUBSTATION:	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - Athens, OH
9.	SUPPORTING STRUCTURES:	Steel
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Existing transmission line being rebuilt to address PJM baseline violations.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	The Clark Street - Strouds Run 69kV circuit may overload.
13.	MISCELLANEOUS:	N/A

PUCO FORM FE-T9  
AEP OHIO  
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	LINE NAME AND NUMBER:	Elliott - Ohio University 69kV (B2792)
2.	POINTS OF ORIGIN AND TERMINATION	Elliott / Ohio University; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	2.49 miles / 60 ft / 1 circuit
4.	VOLTAGE: DESIGN / OPERATE	69kV / 69kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	To be completed approximately 6/2021
7.	CAPITAL INVESTMENT:	\$1.5M
8.	PLANNED SUBSTATION:	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Existing transmission line being rebuilt to address PJM baseline violations.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	The Elliott - Ohio University 69kV circuit may overload.
13.	MISCELLANEOUS:	N/A

PUCO FORM FE-T9  
AEP OHIO  
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	LINE NAME AND NUMBER:	Kaiser Junction - Air Force section of the Kaiser - Heath 69kV circuit (B2787)
2.	POINTS OF ORIGIN AND TERMINATION	Kaiser Junction - Heath; INTERMEDIATE STATION - Air Force
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	2.3 miles / 60 ft / 1 circuit
4.	VOLTAGE: DESIGN / OPERATE	69kV / 69kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	To be completed approximately 12/31/2020
7.	CAPITAL INVESTMENT:	\$7.5M
8.	PLANNED SUBSTATION:	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Existing transmission line being rebuilt to address PJM baseline violations.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	The Kaiser Junction - Air Force section of the Kaiser - Heath 69kV circuit may overload.
13.	MISCELLANEOUS:	N/A

PUCO FORM FE-T9  
AEP OHIO  
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	LINE NAME AND NUMBER:	Seaman - Stuart (Pending)
2.	POINTS OF ORIGIN AND TERMINATION	Seaman, Stuart; INTERMEDIATE STATION - Panhandle, Copeland, West Union, Bentonville (Adams), Bentonville (AEP), Raven
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	22.0 mi / 60 ft / 1 circuit
4.	VOLTAGE: DESIGN / OPERATE	69kV / 69kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2023-2024
7.	CAPITAL INVESTMENT:	\$65.0M
8.	PLANNED SUBSTATION:	NAME - Copeland; TRANSMISSION VOLTAGE - 69/12; ACREAGE - TBD; LOCATION - adjacent to existing Copeland
9.	SUPPORTING STRUCTURES:	Overhead, Steel, Pole
10.	PARTICIPATION WITH OTHER UTILITIES	Duke
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Rebuild of existing line, to address condition, performance, and risk issues
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of further deterioration and performance issues
13.	MISCELLANEOUS:	N/A

PUCO FORM FE-T10  
AEP OHIO  
SUMMARY OF PROPOSED SUBSTATIONS

Substation Name	Voltage(s) (kV)	Type Distribution (D) Transmission (T)	Timing	Line Association(s)	Line Existing or Proposed	Minimum Substation Site Acreage
Academia	138/69/12	D	Dec-20	Academia - North Liberty 69kV	E	May need to be expanded
Academia	138/69/12	D	Dec-20	Academia - Gambier 69kV	E	May need to be expanded
Academia	138/69/12	D	Dec-20	Academia - Howard 138kV	E	May need to be expanded
Academia	138/69/12	D	Dec-20	Academia - Ohio Central 138kV	E	May need to be expanded
Academia	138/69/12	D	Dec-20	Academia - West Mount Vernon 138kV	E	May need to be expanded
Beatty	345/138/69	T	2019-2022	Beatty - Galloway 69kV	E/P	3-5 (expansion)
Beatty	345/138/69	T	2019-2022	Beatty - Madison 69kV	E/P	3-5 (expansion)
Brice	138	D	2019-2020	Astor - Brice 138kV	E/P	5-10
Brice	138	D	2019-2020	Brice - Groves - Shannon 138kV	E/P	5-10
Buell (s1125)	138	D	2020	Buell - Devola 138kV	P	5
Buell (s1125)	138	D	2020	Macksburg - Buell 138kV	P	5
Chatfield	138/69	T	2018-2021	Chatfield - Carrothers 69kV	E	May need to expand fence a small amount
Chatfield	138/69	T	2018-2021	Chatfield - Howard 138KV	E	May need to expand fence a small amount
Chatfield	138/69	T	2018-2021	Chatfield - Melmore 138kV	E	May need to expand fence a small amount
Chatfield	138/69	T	2018-2021	Chatfield - West Shelby 69kV	E	May need to expand fence a small amount
Fifth Avenue	138	D	2019-2022	Hess - Wilson 138kV	E	5
Findlay Center	69 (Designed) / 34.5 (Operated)	T	2019-2021	Ebersole - Findlay Center	E	2
Findlay Center	69 (Designed) / 34.5 (Operated)	T	2019-2021	Findlay - Findlay Center	E	2

PUCO FORM FE-T10  
AEP OHIO  
SUMMARY OF PROPOSED SUBSTATIONS

Substation Name	Voltage(s) (kV)	Type Distribution (D) Transmission (T)	Timing	Line Association(s)	Line Existing or Proposed	Minimum Substation Site Acreage
Findlay Center	69 (Designed) / 34.5 (Operated)	T	2019-2021	Findlay Center - Plaza Street	E	2
Findlay Center	69 (Designed) / 34.5 (Operated)	T	2019-2021	Findlay Center - South Findlay	E	2
Glencoe (expansion of existing)	138/69	T	2020	West Bellaire - Glencoe 138kV	P	4
Hayden	345/138	T	2019-2021	Hayden Switch - Hyatt (CSP)	E/P	Expand fence, 5-10
Hayden	345/138	T	2019-2021	Hayden Switch - Roberts #1	E/P	Expand fence, 5-10
Hayden	345/138	T	2019-2021	Hayden Switch - Roberts #2	E/P	Expand fence, 5-10
Hopetown (b1032)	138/12	D	2021	Biers Run - Hopetown	E	6-8
Hopetown (b1032)	138/12	D	2021	Hopetown - Delano	E	6-8
Lee	138/12	D	Jul-21	Lemaster - Dexter 138kV	E	Approx. 1
Lick	138/69/12	T	2021	City of Jackson - Lick	E	May need to be expanded <1
Lick	138/69/12	T	2021	Don Marquis - Lick	E	May need to be expanded <1
Lick	138/69/12	T	2021	Firebrick - Lick	E	May need to be expanded <1
Lick	138/69/12	T	2021	Lick - Rhodes	E	May need to be expanded <1
Lick	138/69/12	T	2021	Lick - Ross (future Lick-Ironman)	E	May need to be expanded <1
Lick	138/69/12	T	2021	Lick - Sporn	E	May need to be expanded <1
New Matamoras (s1160)	138/12	D	2022	Saint Mary - Bens Run 138kV circuit (First Energy)	E	3-4
Northeast Canton (expansion of existing fence-line)	138/69/12	T	2019 - 2021	Wagenhals - West Canton 138kV	E	NO change - will remain on existing property
Reaver	138	D	2019-2021	Gay Street - Reaver 138kV	E/P	10.4
Reaver	138	D	2019-2021	McComb - Reaver 138kV	E/P	10.4

PUCO FORM FE-T10  
AEP OHIO  
SUMMARY OF PROPOSED SUBSTATIONS

Substation Name	Voltage(s) (kV)	Type Distribution (D) Transmission (T)	Timing	Line Association(s)	Line Existing or Proposed	Minimum Substation Site Acreage
Sardinia (s1609)	138/12	D	2020	Wildcat-Kenton	E	May need to be expanded <1
Vigo (s1432)	138 (designed) / 69 (operated)	T	2020	Lick - Ross (future Heppner - Ross)	E	May need to be expanded <1
West Moulton	138	T	6/1/2021	W Moulton - St Marys	E/P	2
West Moulton	138	T	6/1/2021	W Moulton - SW Lima	E/P	2
West Moulton	138	T	6/1/2021	W Moulton - Gemini	E/P	2
Isabella	138/13	D	Jun-19	Crooksville - North Newark 138kV	P	1
Ridgely	138	D	2020	Kirk - Newark Center 138kV	E	Approx. 3
East Cambridge	69/34.5	T	Jun-21	East Cambridge - Smyrna 69kV circuit	E	Approx. 2
East Cambridge	69/34.5	T	Jun-21	East Cambridge - West Byesville 69kV circuit	E	Approx. 2
East Cambridge	69/34.5	T	Jun-21	East Cambridge - West Cambridge 69kV circuit	E	Approx. 2
Newcomerstown	138/69/34.5/12	T	Dec-22	Broom Road - Newcomerstown 69kV	E	Approx. 4
Newcomerstown	138/69/34.5/12	T	Dec-22	Newcomerstown - Newport 69kV	E	Approx. 4
Newcomerstown	138/69/34.5/12	T	Dec-22	Newcomerstown - Ray 69kV	E	Approx. 4
Newcomerstown	138/69/34.5/12	T	Dec-22	Newcomerstown - South Coshocton 138kV	E	Approx. 4
Newcomerstown	138/69/34.5/12	T	Dec-22	Newcomerstown - West Cambridge 138kV	E	Approx. 4
Newcomerstown	138/69/34.5/12	T	Dec-22	Newcomerstown - West New Philadelphia 138kV	E	Approx. 4
Copeland	69/12	D	2024	Stuart - Seaman 69 kV	E	TBD
Copeland	69/12	D	2024	Copeland Extension	P	TBD
Fort Fizzle (Glenmont)	69/7	D	2023-2025	Stillwell - Killbuck 69 kV	P	3 to 5
Millersburg	69/4	D	2023-2025	Berlin - West Millersburg 69 kV	E	TBD
Simmons Run	69/12	D	2023-2025	South Coshocton - Simmons Run 69 kV	P	TBD
Simmons Run	69/12	D	2023-2025	Killbuck - Simmons Run	P	TBD
South Coshocton	138/69/34.5	T	2023-2025	South Coshocton - Simmons Run 69 kV	P	TBD
South Coshocton	138/69/34.5	T	2023-2025	South Coshocton - Coshocton 69 kV	E	TBD
South Coshocton	138/69/34.5	T	2023-2025	South Coshocton - North Coshocton 69 kV	E	TBD
South Coshocton	138/69/34.5	T	2023-2025	South Coshocton - Ohio Central 138 kV	E	TBD
South Coshocton	138/69/34.5	T	2023-2025	South Coshocton - Newcomerstown 138 kV	E	TBD



**AEP OHIO LTFR  
DISTRIBUTION FORMS**

PUCO Form FE-D1: AEP Ohio  
Electric Utility Ohio Service Area Energy Consumption Forecast  
(Megawatt-Hours Per Year)

	(1)	(2)	(3)	(4)	(5a)	(5b)	(6) (1)+(2)+(3)+(4)+(5a)-(5b)	(7)	(8) (6)+(7)
Year	Residential	Commercial	Industrial	Transportation <sup>a</sup>	Other <sup>b</sup>	Energy <sup>c,d</sup> Efficiency & Demand Response	Total End User Consumption	Losses And Unaccounted For	Net Energy For Load
-5 2015	14,394,455	14,643,189	14,755,265	0	119,704	494,523	43,418,090	3,124,126	46,542,215
-4 2016	14,533,266	14,908,841	14,377,483	0	122,651	548,833	43,393,408	3,293,149	46,686,557
-3 2017	13,747,490	14,503,034	14,865,180	0	119,055	519,595	42,715,165	3,277,287	45,992,452
-2 2018	15,180,274	14,789,908	14,974,294	0	114,838	490,720	44,568,593	3,361,259	47,929,853
-1 2019	14,677,944	14,731,017	14,526,485	0	114,047	518,642	43,530,852	2,837,446	46,368,298
0 2020	13,975,167	14,449,356	15,142,889	0	116,008	252,222	43,431,197	3,289,790	46,720,988
1 2021	13,907,167	14,508,935	15,381,508	0	116,058	298,127	43,615,541	3,317,782	46,933,323
2 2022	13,896,613	14,552,326	15,599,175	0	116,236	433,173	43,731,177	3,362,812	47,093,989
3 2023	13,911,834	14,574,444	15,624,905	0	116,458	513,487	43,714,154	3,337,047	47,051,201
4 2024	13,916,042	14,593,901	15,671,649	0	116,628	581,369	43,716,851	3,352,997	47,069,848
5 2025	13,937,912	14,617,077	15,682,008	0	116,823	638,343	43,715,477	3,338,291	47,053,769
6 2026	13,956,530	14,601,844	15,668,397	0	116,978	685,309	43,658,411	3,335,841	46,994,282
7 2027	13,985,751	14,595,525	15,687,862	0	117,136	722,938	43,663,335	3,333,789	46,997,124
8 2028	14,015,576	14,593,535	15,759,559	0	117,280	731,130	43,754,820	3,356,235	47,111,055
9 2029	14,077,559	14,607,235	15,821,402	0	117,474	962,170	43,931,501	3,347,059	47,278,560
10 2030	14,092,678	14,581,791	15,862,576	0	117,629	636,547	44,018,127	3,359,493	47,377,621

(a) Transportation includes railroads and railways.

(b) Other includes street & highway lighting, public authorities and interdepartmental sales.

(c) Historical energy efficiency reflects gross annual impacts of measures installed in that calendar year. Forecast energy efficiency is cumulative and is inclusive of the effects associated with measure degradation and obsolescence.

(1) The category breakdown refers to AEP Ohio's Ohio service area and excludes sales for resale.

(d) The Company's load forecast was finalized in September 2019 and does not reflect the changes to Ohio energy efficiency and peak demand reduction requirements that became effective with the passage of H.B. 6 on October 22, 2019

PUCO Form FE-D2:  
AEP Ohio Area Energy Consumption Forecast  
(Megawatt-Hours Per Year)

	(1)	(2)	(3)	(4)	(5)	(6) (1)+(2)+(3)+(4)+(5)	(7)	(8) (6)+(7)
							Losses And	
Year	Residential	Commercial	Industrial	Transportation <sup>a</sup>	Other <sup>b</sup>	Total End <sup>c</sup> User Consumption	Unaccounted For	Net Energy For Load
-5 2015	14,173,918	14,471,376	14,653,092	0	119,704	43,418,090	3,124,126	46,542,215
-4 2016	14,314,363	14,671,914	14,284,480	0	122,651	43,393,408	3,293,149	46,686,557
-3 2017	13,539,181	14,342,319	14,714,610	0	119,055	42,715,165	3,277,287	45,992,452
-2 2018	14,940,887	14,655,658	14,857,211	0	114,838	44,568,593	3,361,259	47,929,853
-1 2019	14,410,516	14,599,280	14,407,009	0	114,047	43,530,852	2,837,446	46,368,298
0 2020	13,811,742	14,446,316	15,057,131	0	116,008	43,431,197	3,289,790	46,720,988
1 2021	13,762,228	14,472,867	15,264,387	0	116,058	43,615,541	3,317,782	46,933,323
2 2022	13,680,964	14,485,204	15,448,773	0	116,236	43,731,177	3,362,812	47,093,989
3 2023	13,630,470	14,502,311	15,464,915	0	116,458	43,714,154	3,337,047	47,051,201
4 2024	13,576,787	14,518,078	15,505,359	0	116,628	43,716,851	3,352,997	47,069,848
5 2025	13,548,527	14,538,542	15,511,585	0	116,823	43,715,477	3,338,291	47,053,769
6 2026	13,524,436	14,521,559	15,495,468	0	116,978	43,658,441	3,335,841	46,994,282
7 2027	13,518,111	14,514,461	15,513,628	0	117,136	43,663,335	3,333,789	46,997,124
8 2028	13,525,928	14,520,326	15,591,286	0	117,280	43,754,820	3,356,235	47,111,055
9 2029	13,585,249	14,556,748	15,672,030	0	117,474	43,931,501	3,347,059	47,278,560
10 2030	13,615,478	14,541,317	15,743,703	0	117,629	44,018,127	3,359,493	47,377,621

(a) Transportation includes railroads and railways.

(b) Other includes street & highway lighting, public authorities and interdepartmental sales.

(1) The category breakdown refers to AEP Ohio's total service area and excludes sales for resale.

(c) The Company's load forecast was finalized in September 2019 and does not reflect the changes to Ohio energy efficiency and peak demand reduction requirements that became effective with the passage of H.B. 6 on October 22, 2019

PUCO Form FE-D2:  
AEP System - East Zone Energy Consumption Forecast  
(Megawatt-Hours Per Year)

	(1)	(2)	(3)	(4)	(5)	(6) (1)+(2)+(3)+(4)+(5)	(7)	(8) (6)+(7)
							Losses And	
Year	Residential	Commercial	Industrial	Transportation <sup>a</sup>	Other <sup>b</sup>	Total End User Consumption	Unaccounted For	Net Energy For Load
-5 2015								
-4 2016								
-3 2017								
-2 2018								
-1 2019								
0 2020								
1 2021								
2 2022								
3 2023								
4 2024								
5 2025								
6 2026								
7 2027								
8 2028								
9 2029								
10 2030								

(a) Transportation includes railroads and railways.

(b) Other includes street & highway lighting, public authorities and interdepartmental sales.

(1) The category breakdown refers to AEP Ohio's total service area and excludes sales for resale.

PUCO Form FE-D3: AEP Ohio  
Electric Utility Ohio Seasonal Peak Load Demand Forecast  
(Megawatts)

Native Load						Internal Load			
	<u>Year</u>	<u>Summer</u>	Demand <sup>abd</sup> <u>Response</u>	<u>Net Summer</u>	<u>Winter<sup>c</sup></u>	<u>Summer</u>	Demand <sup>abd</sup> <u>Response</u>	<u>Net Summer</u>	<u>Winter<sup>c</sup></u>
-5	2015	8,485	62	8,423	7,414	8,485	62	8,423	7,414
-4	2016	8,685	70	8,616	7,421	8,685	70	8,616	7,421
-3	2017	8,349	108	8,241	7,535	8,349	108	8,241	7,535
-2	2018	8,599	84	8,515	7,370	8,599	84	8,515	7,370
-1	2019	8,332	83	8,249	7,343	8,332	83	8,249	7,343
0	2020	8,704	23	8,681	7,389	8,704	23	8,681	7,389
1	2021	8,738	52	8,686	7,410	8,738	52	8,686	7,410
2	2022	8,789	83	8,706	7,391	8,789	83	8,706	7,391
3	2023	8,802	101	8,701	7,400	8,802	101	8,701	7,400
4	2024	8,833	116	8,717	7,381	8,833	116	8,717	7,381
5	2025	8,841	129	8,712	7,369	8,841	129	8,712	7,369
6	2026	8,852	140	8,713	7,365	8,852	140	8,713	7,365
7	2027	8,871	149	8,722	7,393	8,871	149	8,722	7,393
8	2028	8,916	151	8,765	7,391	8,916	151	8,765	7,391
9	2029	8,934	146	8,788	7,402	8,934	146	8,788	7,402
10	2030	8,957	137	8,820	7,419	8,957	137	8,820	7,419

(a) Includes effects of energy efficiency and demand response programs.

(b) Historical energy efficiency reflects gross annual impacts of measures installed in that calendar year. Forecast energy efficiency is cumulative and is inclusive of the effects associated with measure degradation and obsolescence.

(c) Winter load reference is to peak loads which follow the summer peak load.

(1) Data refer to AEP Ohio's Ohio service area.

(d) The Company's load forecast was finalized in September 2019 and does not reflect the changes to Ohio energy efficiency and peak demand reduction requirements that became effective with the passage of H.B. 6 on October 22, 2019

PUCO Form FE-D4: AEP Ohio  
AEP Ohio Seasonal Peak Load Demand Forecast  
(Megawatts)

		Native Load <sup>b</sup>		Internal Load <sup>b</sup>	
	<u>Year</u>	<u>Summer</u>	<u>Winter<sup>a</sup></u>	<u>Summer</u>	<u>Winter<sup>a</sup></u>
-5	2015	8,423	7,414	8,423	7,414
-4	2016	8,616	7,421	8,616	7,421
-3	2017	8,241	7,535	8,241	7,535
-2	2018	8,515	7,370	8,515	7,370
-1	2019	8,249	7,343	8,249	7,343
0	2020	8,681	7,389	8,681	7,389
1	2021	8,686	7,410	8,686	7,410
2	2022	8,706	7,391	8,706	7,391
3	2023	8,701	7,400	8,701	7,400
4	2024	8,717	7,381	8,717	7,381
5	2025	8,712	7,369	8,712	7,369
6	2026	8,713	7,365	8,713	7,365
7	2027	8,722	7,393	8,722	7,393
8	2028	8,765	7,391	8,765	7,391
9	2029	8,788	7,402	8,788	7,402
10	2030	8,820	7,419	8,820	7,419

(a) Winter load reference is to peak loads which follow the summer peak load.

(1) Data refer to AEP Ohio's total service area.

Note: Wheeling Power Company ceased being a customer of AEP Ohio (1/1/14).

(b) The Company's load forecast was finalized in September 2019 and does not reflect the changes to Ohio energy efficiency and peak demand reduction requirements that became effective with the passage of H.B. 6 on October 22, 2019

PUCO Form FE-D4: AEP System - East Zone  
Seasonal Peak Load Demand Forecast  
(Megawatts)

		Native Load		Internal Load	
	<u>Year</u>	<u>Summer</u>	<u>Winter<sup>a</sup></u>	<u>Summer</u>	<u>Winter<sup>a</sup></u>
-5	2015				
-4	2016				
-3	2017				
-2	2018				
-1	2019				
0	2020				
1	2021				
2	2022				
3	2023				
4	2024				
5	2025				
6	2026				
7	2027				
8	2028				
9	2029				
10	2030				

(a) Winter load reference is to peak loads which follow the summer peak load.

(1) Data refer to AEP Ohio's total service area.

Note: Wheeling Power Company ceased being a customer of AEP Ohio (1/1/14).

PUCO Form FE-D5: AEP Ohio  
Monthly Net Energy For Load Forecast  
(Megawatt-Hours Per Year)

Monthly Net Energy For Load Forecast <sup>c</sup>			
<u>Year 0<sup>a</sup></u>	<u>Ohio Service Area</u>	<u>Total Service Area</u>	<u>System<sup>b</sup></u>
January	4,320,189	4,320,189	
February	3,907,723	3,907,723	
March	3,870,758	3,870,758	
April	3,465,024	3,465,024	
May	3,572,766	3,572,766	
June	3,988,005	3,988,005	
July	4,320,817	4,320,817	
August	4,310,746	4,310,746	
September	3,752,567	3,752,567	
October	3,558,702	3,558,702	
November	3,587,206	3,587,206	
December	4,066,486	4,066,486	
<u>Year 1</u>			
January	4,322,082	4,322,082	
February	3,811,182	3,811,182	
March	3,913,903	3,913,903	
April	3,486,606	3,486,606	
May	3,598,770	3,598,770	
June	4,016,914	4,016,914	
July	4,332,478	4,332,478	
August	4,354,943	4,354,943	
September	3,780,162	3,780,162	
October	3,579,844	3,579,844	
November	3,627,680	3,627,680	
December	4,108,760	4,108,760	

(a) Actual data shall be indicated with an asterisk (\*)

(b) AEP East Pool terminated effective 1/1/14.

Note: Wheeling Power Company ceased being a customer of AEP Ohio (1/1/14).

(c) The Company's load forecast was finalized in September 2019 and does not reflect the changes to Ohio energy efficiency and peak demand reduction requirements that became effective with the passage of H.B. 6 on October 22, 2019



PUCO FORM FE-D6 AEP Ohio  
Monthly Internal Peak Load Forecast (Megawatts)

<u>Year 0<sup>a</sup></u>	<u>Monthly Native Load Forecast</u>					<u>Monthly Internal Load Forecast</u>				
	<u>Ohio</u>	<u>Demand<sup>bd</sup></u>	<u>Net Ohio</u>	<u>Total</u>	<u>System<sup>c</sup></u>	<u>Ohio</u>	<u>Demand<sup>bd</sup></u>	<u>Net Ohio</u>	<u>Total</u>	<u>System<sup>c</sup></u>
	<u>Portion</u>	<u>Response</u>	<u>Portion</u>	<u>Service</u>		<u>Portion</u>	<u>Response</u>	<u>Portion</u>	<u>Area</u>	
January	7,386	43	7,343	7,343		7,386	43	7,343	7,343	
February	6,994	30	6,964	6,964		6,994	30	6,964	6,964	
March	6,323	29	6,294	6,294		6,323	29	6,294	6,294	
April	6,092	41	6,051	6,051		6,092	41	6,051	6,051	
May	6,878	21	6,857	6,857		6,878	21	6,857	6,857	
June	7,821	19	7,802	7,802		7,821	19	7,802	7,802	
July	8,704	23	8,681	8,681		8,704	23	8,681	8,681	
August	8,496	22	8,474	8,474		8,496	22	8,474	8,474	
September	8,423	24	8,399	8,399		8,423	24	8,399	8,399	
October	6,037	31	6,006	6,006		6,037	31	6,006	6,006	
November	6,074	28	6,045	6,045		6,074	28	6,045	6,045	
December	6,717	41	6,676	6,676		6,717	41	6,676	6,676	
Year 1										
January	7,436	47	7,389	7,389		7,436	47	7,389	7,389	
February	7,043	45	6,999	6,999		7,043	45	6,999	6,999	
March	6,367	40	6,327	6,327		6,367	40	6,327	6,327	
April	6,139	38	6,101	6,101		6,139	38	6,101	6,101	
May	6,923	41	6,882	6,882		6,923	41	6,882	6,882	
June	7,870	51	7,819	7,819		7,870	51	7,819	7,819	
July	8,738	52	8,686	8,686		8,738	52	8,686	8,686	
August	8,529	49	8,480	8,480		8,529	49	8,480	8,480	
September	8,458	52	8,406	8,406		8,458	52	8,406	8,406	
October	6,109	37	6,072	6,072		6,109	37	6,072	6,072	
November	6,129	39	6,090	6,090		6,129	39	6,090	6,090	
December	6,771	45	6,726	6,726		6,771	45	6,726	6,726	

(a) Actual data shall be indicated with an asterisk (\*)

(b) Includes effects of energy efficiency and demand response programs.

(c) AEP East Pool terminated effective 1/1/14.

Note: Wheeling Power Company ceased being a customer of AEP Ohio (1/1/14).

(d) The Company's load forecast was finalized in September 2019 and does not reflect the changes to Ohio energy efficiency and peak demand reduction requirements that became effective with the passage of H.B. 6 on October 22, 2019

**AEP OHIO LTFR  
RESOURCE FORMS**

PUCO Form FE-R1:  
Monthly Forecast of Electric Utility's Ohio Service Area Peak Load and Resources  
Dedicated to Meet Ohio Service Area Peak Load  
(Megawatts)

Current Calendar Year												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability												
Net Seasonal Capability												
Purchases	10,544	10,544	10,544	10,544	10,544	10,393	10,393	10,393	10,393	10,393	10,393	10,393
Sales												
Renewable												
Available Capability	10,544	10,544	10,544	10,544	10,544	10,393	10,393	10,393	10,393	10,393	10,393	10,393
Native Load	7,429	7,024	6,352	6,133	6,900	7,841	8,727	8,519	8,447	6,068	6,102	6,758
Energy Reduction Programs <sup>c,d</sup>	43	30	29	41	21	19	23	22	24	31	28	41
Available Reserve	3,158	3,549	4,220	4,452	3,665	2,572	1,689	1,897	1,970	4,356	4,320	3,676
Internal Load <sup>a</sup>	7,386	6,994	6,323	6,092	6,878	7,821	8,704	8,496	8,423	6,037	6,074	6,717
Reserve	3,158	3,549	4,220	4,452	3,665	2,572	1,689	1,897	1,970	4,356	4,320	3,676
Next Calendar Year												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability												
Net Seasonal Capability												
Purchases	10,393	10,393	10,393	10,393	10,393	10,434	10,434	10,434	10,434	10,434	10,434	10,434
Sales												
Renewable												
Available Capability	10,393	10,393	10,393	10,393	10,393	10,434	10,434	10,434	10,434	10,434	10,434	10,434
Native Load	7,483	7,088	6,407	6,178	6,965	7,921	8,790	8,578	8,509	6,145	6,168	6,816
Energy Reduction Programs <sup>c,d</sup>	47	45	40	38	41	51	52	49	52	37	39	45
Available Reserve	2,958	3,350	4,027	4,254	3,470	2,564	1,696	1,905	1,977	4,325	4,305	3,663
Internal Load <sup>a</sup>	7,436	7,043	6,367	6,139	6,923	7,870	8,738	8,529	8,458	6,109	6,129	6,771
Reserve	2,958	3,350	4,027	4,254	3,470	2,564	1,696	1,905	1,977	4,325	4,305	3,663

(a) Internal Load equals Native Load plus Interruptible Load.

(b) Actual data shall be indicated with an asterisk (\*).

(c) Includes both energy efficiency and demand response

(d) Under the AEP Ohio current ESP, SSO load is served with purchased

PUCO Form FE-R2:  
Monthly Forecast of System Peak Load and Resources Dedicated to Meet System Peak Load  
(Megawatts)

	Current Calendar Year											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability												
Net Seasonal Capability												
Purchases												
Sales												
Available Capability												
Native Load												
Available Reserve												
Internal Load <sup>a</sup>												
Reserve												

	Next Calendar Year											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability												
Net Seasonal Capability												
Purchases												
Sales												
Available Capability												
Native Load												
Available Reserve												
Internal Load <sup>a</sup>												
Reserve												

(a) Internal Load equals Native Load plus Interruptible Load.

(b) Actual data shall be indicated with an asterisk (\*).

(c) Former AEP System-East Zone companies plan generation on an individual company basis effective 1/1/14

PUCO Form FE-R3:  
Summary of Existing Electric Generation Facilities for the System (as of 12/31/20xx)

Station Name & Location	Unit No.	Type of Units	Date of First On-Line Service	Expected Retirement Date	Generation Summer (MW)	Generation Winter (MW)	Environmental Protection Measures
Fowler Ridge II		Wind			100	100	
Wyandot Solar		Solar			10	10	
Timber Road		Wind			100	100	
OVEC Entitlement		Coal			437	437	FGD/SCR

Note: All resources above are contractual entitlements.

Former AEP System-East Zone companies plan generation on an individual company basis effective 1/1/14

PUCO Form FE-R4:  
Actual Generating Capability Dedicated to Meet Ohio Peak Load (as of 12/31/20xx)

---

		Unit Designation	Seasonal
Year/Season	Unit Name	Description	Total

---

Resources listed on Form R-3 are not currently designated to meet Ohio Peak Load

PUCO Form FE-R5:  
Projected Generating Capability Changes To Meet Future Ohio Peak Load

Unit Designation		Capability	Seasonal	
Year/Season	Unit Name	Description	Changes	Total

SEE NOTE BELOW

---

Note:

In a November 2018 agreement approved by the Public Utilities Commission of Ohio (PUCO), AEP Ohio committed to pursue the development of more solar and wind energy in Ohio. All projects must be approved by the PUCO.

PUCO Form FE-R6:  
Electric Utility's Actual and Forecast Ohio Peak Load and Resources  
Dedicated to Meet Electric Utility's Ohio Peak Load  
(Megawatts)  
Summer Season

	(-5)	(-4)	(-3)	(-2)	(-1)	(0)	(1)	(2)
Net Demonstrated Capability	0	0	0	0	0	0	0	0
Net Seasonal Capability	0	0	0	0	0	0	0	0
Purchases <sup>c</sup>	9,645	9,534	9,563	9,643	10,544	10,393	10,434	10,297
Sales	0	0	0	0	0	0	0	0
Renewable								
Available Capability <sup>a,c</sup>	9,645	9,534	9,563	9,643	10,544	10,393	10,434	10,297
Native Load	8,423	8,616	8,241	8,515	8,249	8,681	8,686	8,706
Energy Reduction Programs <sup>c</sup>	62	70	108	84	83	23	52	83
Available Reserve	1,285	988	1,430	1,213	2,378	1,736	1,800	1,674
Internal Load <sup>b</sup>	8,361	8,546	8,133	8,431	8,166	8,657	8,635	8,623
Reserve <sup>d</sup>	1,285	988	1,430	1,213	2,378	1,736	1,800	1,674
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases <sup>c</sup>	10,390	10,408	10,403	10,404	10,415	10,466	10,494	10,532
Sales	0	0	0	0	0	0	0	0
Renewable								
Available Capability <sup>a,c</sup>	10,390	10,408	10,403	10,404	10,415	10,466	10,494	10,532
Native Load <sup>1,2</sup>	8,802	8,833	8,841	8,852	8,871	8,916	8,934	8,957
Energy Reduction Programs <sup>c</sup>	101	116	129	140	149	151	146	137
Available Reserve	1,689	1,692	1,691	1,691	1,693	1,701	1,706	1,712
Internal Load <sup>b</sup>	8,701	8,717	8,712	8,713	8,722	8,765	8,788	8,820
Reserve <sup>d</sup>	1,689	1,692	1,691	1,691	1,693	1,701	1,706	1,712

Notes: (a) Available Capability is equal to Net Seasonal Capability plus Purchases minus Sales  
(b) Internal Load equals Native Load plus Interruptible Load  
(c) Under the AEP Ohio current ESP, SSO load is served with purchases  
(d) Reflects assumption of PJM unforced capacity obligation margin of 12% of summer peak  
(1) Native Load includes the effect of all Planned and Approved DSM  
(2) For Native Load within Ohio, see Form FE-D3  
\*\*\* Totals may not foot due to rounding



PUCO Form FE-R7:  
Actual and Forecast System Peak Load and Resources Dedicated to Meet System Peak Load  
(Megawatts)  
Summer Season

	(-5)	(-4)	(-3)	(-2)	(-1)	(0)	(1)	(2)
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases								
Sales								
Available Capability <sup>a,2</sup>								
Native Load								
Available Reserve								
Internal Load <sup>b,1</sup>								
Reserve								

	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases								
Sales								
Available Capability <sup>a</sup>								
Native Load								
Available Reserve								
Internal Load <sup>b</sup>								
Reserve								

(a) Available Capability is equal to Net Seasonal Capability plus Purchases minus Sales.

(b) Internal Load equals Native Load plus Interruptible Load.

(1) Native Load includes the effect of all Planned and Approved DSM

(2) Former AEP System-East Zone companies plan generation on an individual company basis effective 1/1/14

PUCO Form FE-R8:  
Electric Utility's Actual and Forecast Ohio Peak Load and Resources  
Dedicated to Meet Electric Utility's Ohio Peak Load  
(Megawatts)  
Winter Season

	(-5)	(-4)	(-3)	(-2)	(-1)	(0)	(1)	(2)
Net Demonstrated Capability	0	0	0	0	0	0	0	0
Net Seasonal Capability	0	0	0	0	0	0	0	0
Purchases	9,645	9,534	9,563	9,643	10,544	10,393	10,434	10,297
Sales	0	0	0	0	0	0	0	0
Renewable								
Available Capability <sup>a</sup>	9,645	9,534	9,563	9,643	10,544	10,393	10,434	10,297
Native Load	7,415	7,667	7,331	7,333	7,442	7,389	7,410	7,391
Energy Reduction Programs <sup>c</sup>	0	0	0	0	0	0	0	0
Available Reserve	2,231	2,113	2,028	2,273	3,201	3,005	3,024	2,906
Internal Load <sup>b,1</sup>	7,414	7,421	7,535	7,370	7,343	7,389	7,410	7,391
Reserve	2,230	1,966	1,937	2,311	2,951	3,005	3,024	2,906
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases	10,390	10,408	10,403	10,404	10,415	10,466	10,494	10,532
Sales								
Renewable								
Available Capability <sup>a</sup>	10,390	10,408	10,403	10,404	10,415	10,466	10,494	10,532
Native Load	7,400	7,381	7,369	7,365	7,393	7,391	7,402	7,419
Energy Reduction Programs <sup>c</sup>	101	116	129	140	149	151	146	137
Available Reserve	2,990	3,027	3,035	3,039	3,023	3,075	3,091	3,113
Internal Load <sup>b,1</sup>	7,400	7,381	7,369	7,365	7,393	7,391	7,402	7,419
Reserve	2,990	3,027	3,035	3,039	3,023	3,075	3,091	3,113

Notes: (a) Available Capability is equal to Net Seasonal Capability plus Purchases minus Sales

(b) Internal Load equals Native Load plus Interruptible Load

(c) Under the AEP Ohio current ESP, SSO load is served with purchases

(1) Native Load includes the effect of all Planned and Approved DSM

\*\*\* Totals may not foot due to rounding

PUCO Form FE-R9:  
Actual and Forecast System Peak Load and Resources Dedicated to Meet System Peak Load  
(Megawatts)  
Winter Season

	(-5)	(-4)	(-3)	(-2)	(-1)	(0)	(1)	(2)
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases								
Sales								
Available Capability <sup>a</sup>								
Native Load								
Available Reserve								
Internal Load <sup>b</sup>								
Reserve								
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases								
Sales								
Available Capability <sup>a</sup>								
Native Load								
Available Reserve								
Internal Load <sup>b</sup>								
Reserve								

(a) Available Capability is equal to Net Seasonal Capability plus Purchases minus Sales.

(b) Internal Load equals Native Load plus Interruptible Load.

(1) Former AEP System-East Zone companies plan generation on an individual company basis effective 1/1/14

(2) Native Load includes the effect of all Planned and Approved DSM

PUCO Form FE-R10:  
Specifications of Planned Electric Generation Facilities

1. Facility Name
2. Facility Location
3. Facility Type
4. Anticipated Capability
5. Anticipated Capital Cost
6. Application Timing
7. Construction Timing
8. Planned Pollution Control Measures
9. Fuel
10. Miscellaneous

SEE NOTE BELOW
----------------

Note:

In a November 2018 agreement approved by the Public Utilities Commission of Ohio (PUCO), AEP Ohio committed to pursue the development of more solar and wind energy in Ohio. All projects must be approved by the PUCO.

## APPENDIX

### List of Libraries

Not Applicable- Requirement Waived by Entry Dated April 6, 2020

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**4/15/2020 2:43:15 PM**

**in**

**Case No(s). 20-0501-EL-FOR**

Summary: Report - 2020 Long-Term Forecast Report on Behalf of Ohio Power Company  
electronically filed by Ms. Christen M. Blend on behalf of Ohio Power Company