



Legal Department

American Electric Power
1 Riverside Plaza
Columbus, OH 43215
aep.com

April 16, 2018

Barcy F. McNeal
Docketing Division Chief
Public Utilities Commission of Ohio
180 East Broad Street
Columbus, Ohio 43215-3793

Steven T. Nourse
Senior Counsel –
Regulatory Services
(614) 716-1608 (P)
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stnourse@aep.com

RE: *In the Matter of the Long-Term Forecast Report of AEP Ohio Transmission Company, Inc. and Related Matters*, Case No. 18-1501-EL-FOR.

Dear Ms. McNeal:

I am submitting the enclosed 2018 Long-Term Forecast Report (LTFR) on behalf of AEP Ohio Transmission Company, Inc., pursuant to Section 4935.04, Ohio Revised Code. I have sent a copy of AEP Ohio Transmission Company, Inc.'s 2018 LTFR to the Office of the Ohio Consumers' Counsel in accordance with Rule 4901:5-1-03(F), Ohio Administrative Code.

Thank you for your attention to this matter.

Respectfully Submitted,

/s/ Steven T. Nourse
Steven T. Nourse

AEP OHIO TRANSMISSION COMPANY, INC.

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

Case No. 18-1501-EL-FOR

**2018
ELECTRIC**

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

Submitted by

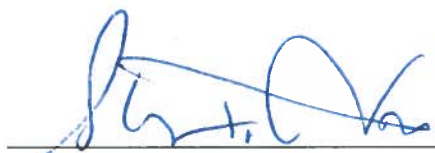
**AEP Ohio Transmission Company, Inc.
700 Morrison Road
Gahanna, Ohio 43230
Telephone: (614) 716-1000**

April 16, 2018

CERTIFICATE OF SERVICE

I hereby certify that:

1. Pursuant to Section 4901:5-1-03(F), Ohio Administrative Code, copies of AEP Ohio Transmission Company, Inc.'s 2018 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 Transmission Company, Inc.'s 2018 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 Transmission Company, Inc. will keep at least one copy of their 2018 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 Transmission Company, Inc. will provide a copy of their 2018 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
Attorney for AEP Ohio Transmission Company, Inc.

April 16, 2018
Dated this day in Columbus, Ohio

OH Transco 2018

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

**AEP Ohio Transmission Company, Inc.'s 2018 Long-Term Forecast Report is true
and correct to the best of my knowledge and belief.**



**Robert W. Bradish
Vice President, Transmission Planning and Engineering
AEP Ohio Transmission Company, Inc.**

**April 16, 2018
Dated this day in Columbus, Ohio**

AEP OH Transco 2018

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AEP OHIO TRANSMISSION COMPANY, Inc.

LTFR TRANSMISSION FORMS

Case No. 18-1501-EL-FOR

PUCO FORM FE-T7
AEP OHIO TRANSMISSION COMPANY
CHARACTERISTICS OF EXISTING TRANSMISSION LINES

Transmission Name & Line No. ^a	Point of (Origin - Terminus) Indicate Location of Line's Beginning and Terminus	Summer Capability		Winter Capability		Indicate Design Voltage and Operating Voltage For Each Line		Right-of-Way		Type of Supporting Structure	Number of Circuits		Substation Name
		Normal Rating	Emergency Rating	Normal Rating	Emergency Rating	Operating Voltage (kV)	Design Voltage (kV)	Length (Miles)	Width Max/Min. (feet)		Design	Installed	
25880	Allen - Logtown	167	167	210	210	138	138	2.29	100/100	Steel - 1 pole	1	1	
20237	Amlin - Hyatt	564	755	712	858	138	138	0.7	150/150	Steel - Lattice	1	1	
26298	Amlin - Sumac #1	766	898	970	1089	138	138	0.04	100/100	Steel - 1 pole	1	1	
26297	Amlin - Sumac #2	766	898	970	1089	138	138	0.04	100/100	Steel - 1 pole	1	1	
26319	Azalea - Leesville	537	537	566	566	138	138	1.35	100/100	Steel - 1 pole	1	1	
24231	Azalea - Yager	296	413	375	464	138	138	4.2	100/100	Steel - 1 pole	1	1	
2804	Bexley - Groves	427	498	572	572	138	138	4.34	100/100	Steel - 1 pole	1	1	
21617	Biers Run - Bixby	1409	1655	1781	1967	345	345	0.05	150/150	Steel - Lattice	1	1	
24218	Biers Run - Circleville	389	559	493	623	138	138	19.2	100/100	Steel - 1 pole	1	1	
22597	Biers Run - Delano	383	449	485	534	138	138	9.95	100/100	Steel - 1 pole	1	1	
21618	Biers Run - Don Marquis	1409	1409	1781	1781	345	345	0.08	150/150	Wood - H-frame	1	1	
658	Bixby - Groves Road No. 1	145	145	183	183	138	138	4.29	100/100	Wood - 1 pole	1	1	THREE CREEKS SWITCH
2331	Bixby - Groves Road No. 2	427	601	541	675	138	138	4.32	100/100	Steel - 2 pole	1	1	
20738	Bixby - Ohio Central	1409	1887	1781	2144	345	345	2.25	150/150	Wood - 1 pole	1	1	
593	Bixby - West Lancaster	296	413	375	464	138	138	19.04	100/100	Steel - 3 pole	1	1	PICKERINGTON RD
16797	Blue Creek - Maddox Creek	2365	2826	3016	3363	345	345	0.03	150/150	Steel - Lattice	1	1	
24899	Britton-Davidson #2	296	398	375	452	138	138	0.9	100/100	Steel - 1 pole	1	1	
23297	Canton Central - Stemple Sw.	1409	1409	1685	1781	345	345	0.45	150/150	Steel - 1 pole	1	1	
628	Circleville - Harrison #1	323	451	408	506	138	138	15.21	100/100	Steel - 1 pole	1	1	
25137	Circleville - Harrison #2	323	451	408	506	138	138	15.21	100/100	Steel - 1 pole	1	1	
637	Circleville - Scippo	150	219	189	243	138	138	2.62	100/100	Steel - 2 pole	1	1	
20737	Conesville - Ohio Central	1409	1887	1781	2144	345	345	2.25	150/150	Steel - 2 pole	1	1	
677	Corridor - Gahanna 138kV	338	456	427	517	138	138	1.34	150/150	Steel - Lattice	1	1	
18637	Corridor - Vassell No. 1	1409	1472	1781	1826	345	345	0.38	150/150	Steel - Lattice	1	1	
18638	Corridor - Vassell No. 2	1409	1887	1781	2144	345	345	0.38	150/150	Steel - Lattice	1	1	
22417	Corwin - Elk	219	223	277	281	138	138	12.6	100/100	Wood - 1 pole	1	1	
21641	Delano - Delano Rd (SCP)	200	254	253	293	138	138	0.05	100/100	Steel - 1 pole	1	1	CLAYBURNE SWITCH
627	Delano - Kenworth - Ross	200	254	253	293	138	138	4.99	100/100	Steel - 2 pole	1	1	
24219	Delano - Ross #2	323	449	408	506	138	138	4.69	100/100	Steel - 2 pole	1	1	
25938	Delano - Tuscaroy	248	248	248	248	138	138	11	100/100	Steel - H-frame	1	1	
19358	Delaware - Vassell	338	456	427	517	138	138	3.06	100/100	Steel - Lattice	1	1	
596	Dexter Sw. - Elliott - Poston	92	92	92	92	138	138	0.02	100/100	Steel - Lattice	1	1	
17718	East Leipsic - Yellow Creek	296	361	375	453	138	138	0.41	100/100	Steel - 2 pole	1	1	
17717	East Lima - Yellow Creek	145	145	183	183	138	138	0.41	100/100	Wood - 1 pole	1	1	CAMPBELL ROAD, RILEY CREEK SWITCH, PAULDING MINERAL SWITCHING
22418	Elk - Poston	207	223	261	281	138	138	10.7	100/100	Wood - H-frame	1	1	
22219	Fiebrick - Gavin	185	185	234	234	138	138	0.08	100/100	Steel - Lattice	1	1	
22220	Fiebrick - Millbrook	185	185	234	234	138	138	0.05	100/100	Steel - 1 pole	1	1	
8315	Fiebrick - Maysville	4047	4571	4961	4961	765	765	109	200/200	Steel - H-frame	1	1	
24229	Fiebrick - Nottingham	296	413	375	464	138	138	4.87	100/100	Steel - Lattice	2	1	
26538	Freebyrd - South Cadiz	296	413	375	464	138	138	3.69	100/100	Steel - H-frame	1	1	STONE PLANT SWITCH
709	Fremont Center - Tiffin Center #1	283	396	357	444	138	138	12.59	100/100	Steel - 1 pole	1	1	
21397	Fremont Center - Tiffin Center #2	283	396	357	444	138	138	12.59	100/100	Steel - 1 pole	1	1	
18657	Gahanna - West Millersport	359	520	455	581	138	138	1.34	150/150	Wood - 1 pole	1	1	
4942	Globe Meral - Muskingum River	167	167	210	210	138	138	0.35	100/100	Steel - 3 pole	1	1	
22942	Greenlawn - Melmore	257	360	325	404	138	138	4.94	100/100	Wood - 1 pole	1	1	
710	Greenlawn - Tiffin Center	257	360	325	404	138	138	2.24	100/100	Wood - 1 pole with push brace	1	1	
16677	Haviland - Timber Switch	167	240	210	267	138	138	8.56	100/100	Steel - 1 pole	1	1	

PUCO FORM FE-T7
AEP OHIO TRANSMISSION COMPANY
CHARACTERISTICS OF EXISTING TRANSMISSION LINES

Transmission Name & Line No. ^a	Point of (Origin - Terminus) Indicate Location of Line's Beginning and Terminus	Summer Capability		Winter Capability		Indicate Design Voltage and Operating Voltage For Each Line		Right-of-Way		Type of Supporting Structure	Number of Circuits		Substations on the Line
		Normal Rating	Emergency Rating	Normal Rating	Emergency Rating	Operating Voltage (kV)	Design Voltage (kV)	Length (Miles)	Width Max/Min. (feet)		Design	Installed	
21117	Highland (CSP) - Hillsboro	296	413	375	464	138	138	7.36	100/100	Wood - 1 pole	1	1	
21678	Highland (CSP) - Seaman	195	220	216	239	138	138	3.17	100/100	Steel - 2 pole	1	1	NEW MARKET SWITCH
10217	Hocking - West Lancaster	187	240	247	285	138	138	19.07	100/100	Steel - H-frame	1	1	
19359	Hyatt - Vassell	1409	1472	1781	1826	345	345	0.41	150/150	Steel - Lattice	1	1	
584	Hyatt (OP) - Marysville	1166	1376	1481	1639	345	345	0.35	150/150	Steel - Lattice	1	1	
20758	Jug Street - Kirk 138kV	564	784	712	880	138	345	12.48	150/150	Steel - 2 pole	1	1	HAZELTON
15238	Jug Street - Kirk 345kV	1239	1566	1564	1809	345	345	12.29	150/150	Steel - 2 pole	1	1	
21340	Jug Street - Smiths Mill	257	360	325	404	138	138	0.16	100/100	Steel - 1 pole	1	1	
19899	Kanner - Vassell	4047	4571	4484	4961	765	765	0.48	200/200	Steel - H-frame	1	1	
621	Kenny - Roberts	213	282	221	328	138	138	1.01	100/100	Steel - 1 pole	1	1	
24232	Leesville - Yager	296	413	375	464	138	138	3.95	100/100	Steel - H-frame	1	1	
19357	Maliszewski - Vassell	4142	4142	5133	5133	765	765	0.87	200/200	Steel - H-frame	1	1	
21398	Melmore - Triffin Center	299	423	379	474	138	138	7.14	100/100	Steel - 1 pole	1	1	
24361	Muskingum River - South Caldwell #2	205	205	258	258	138	138	0.87	100/100	Steel - Lattice	1	1	
21357	Muskingum River - Wolf Creek	285	368	377	438	138	138	4.69	100/100	Steel - H-frame	1	1	
22397	North Bellville - Ohio Central	133	133	143	143	138	138	0.71	100/100	Wood - 1 pole	1	1	MILLWOOD
24279	North Delphos - Sterling	164	167	210	210	138	138	6.31	100/100	Wood - 1 pole with push brace	1	1	EAST SIDE (LIMA)
22537	Ohio Central - Philo #2	136	173	179	206	138	138	0.71	100/100	Steel - 3 pole	1	1	
17137	OSU - West Campus	323	392	323	409	138	138	1.13	100/100	UG Cable - Duct & Manhole	1	1	
2256	Poston - Ross	195	220	216	239	138	138	42.76	100/100	Steel - H-frame	1	1	SOUTH BLOOMINGVILLE SWITCH
17138	Roberts - West Campus	323	409	323	409	138	138	5.54	100/100	Wood	1	1	
670	Scioto Trail - Scippo	150	180	189	227	138	138	1.42	100/100	Wood - 1 pole	1	1	DUPONT (CSP)
25939	Scioto Trail(CSP) - Tuscany	427	541	601	675	138	138	0.64	100/100	Steel - 1 pole	1	1	NEVILLE SWITCH
24359	South Caldwell - Steamtown	205	205	258	258	138	138	0.87	100/100	Wood - 1 pole	1	1	
19398	Steamtown - Summerfield	187	205	247	258	138	138	2.42	100/100	Steel - 1 pole	1	1	
25559	Tidd - Gable SW	287	337	363	400	138	138	5.8	100/100	Steel - 1 pole	2	1	
25279	Tidd - Stemple	1409	1409	1781	1781	345	345	0.45	150/150	Steel - 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 FOR FE-T8
AEP OHIO TRANSMISSION COMPANY
SUMMARY OF EXISTING SUBSTATIONS ON TRANSMISSION LINES

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE-T7 or FE-T9 Notation)	Notation	Line Existing or Proposed
AZALEA SWITCH	T	138	Azalea - Yager	24231	E
AZALEA SWITCH	T	138	Azalea - Leesville	26319	E
BERRYWOOD	T	138	Berrywood - Delaware	26717	E
BERRYWOOD	T	138	Berrywood - Berkshire	26717	E
BIERS RUN	T	138	Biers Run - Delano	22597	E
BIERS RUN	T	138	Biers Run Circleville	24218	E
BIERS RUN	T	345	Biers Run - Bixby	21617	E
BIERS RUN	T	345	Biers Run - Don Marquis	21618	E
BLUE RACER	T	138	Blue Racer - Summerfield	20577	E
BLUE RACER	T	138	Blue Racer - Texas Eastern	20578	E
BLUE RACER	T	138	Blue Racer - SCP Co-op	20579	E
COLE (CS)	T	138	Amlin - Cole	26897	E
COLE (CS)	T	345	Beatty - Cole	26781	E
COLE (CS)	T	345	Cole - Hayden	26782	E
EBERSOLE	T	138	Ebersole - New Liberty	20857	E
EBERSOLE	T	138	Ebersole - Fostoria Central #2	20858	E
EBERSOLE	T	138	Ebersole - Findlay Center	20859	E
EBERSOLE	T	138	Ebersole - Fostoria Central #1	20860	E
EBERSOLE	T	138	Ebersole - North Findlay	20917	E
EMERALD SWITCH	T	138	*Kenton (LGE-KU) - Wildcat	18078	E
FIREBRICK	T	138	Firebrick - Gavin	22219	E
FIREBRICK	T	138	Firebrick - Millbrook	22220	E
FREEBYRD	T	138	Freebyrd - Nottingham	24229	E
FREEBYRD	T	138	Freebyrd - South Cadiz	26538	E
GABLE SWITCH	T	138	Carrollton - Gable SW	25557	E
GABLE SWITCH	T	138	Gable SW - South Cadiz	25558	E
GABLE SWITCH	T	138	Gable SW - Tidd	25559	E
GOOD HOPE SWITCH	T	138	Harrison (Csp) - Poston	634	E
HOLLOWAY	T	345	Beverly - Holloway	22497	E
IRONWOOD SWITCH	T	138	Bellefonte - East Wheelersburg	193	E

PUCO FOR FE-T8
AEP OHIO TRANSMISSION COMPANY
SUMMARY OF EXISTING SUBSTATIONS ON TRANSMISSION LINES

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE-T7 or FE-T9 Notation)	Notation	Line Existing or Proposed
JUNE ROAD	T	138	Tidd - June Road	26958	E
JUNE ROAD	T	138	June Road - Wagenhals	26957	E
LOGTOWN	T	138	Logtown - North Delphos	24385	E
LOGTOWN	T	138	Allen - Logtown	25880	E
MADDOX CREEK	T	345	East Lima - Maddox Creek	16757	E
MADDOX CREEK	T	345	Maddox Creek - RP Mone	16758	E
MADDOX CREEK	T	345	Blue Creek - Maddox Creek	16797	E
MELMORE	T	138	Melmore - Tiffin Center	21398	E
MELMORE	T	138	Fostoria Central - Melmore	22938	E
MELMORE	T	138	Howard - Melmore #1	22939	E
MELMORE	T	138	Melmore - West End Fostoria	22940	E
MELMORE	T	138	Howard - Melmore #2	22941	E
MELMORE	T	138	Greenlawn - Melmore	22942	E
MINERAL SWITCHING	T	138	Elk - Poston	22418	E
NEVILLE SWITCH	T	138	Scioto Trail(CSP) - Tuscany	25939	E
NEW MARKET SWITCH	T	138	Highland (CSP) - Seaman	21678	E
NOTTINGHAM SWITCH	T	138	Freebyrd - Nottingham	24229	E
PANDA ROAD	T	138	Tidd - June Road	26958	E
ROBERT P. MONE	T	345	Maddox Creek - RP Mone	16758	E
ROBERT P. MONE	T	345	Allen - RP Mone	20482	E
SOUTH BLOOMINGVILLE SWITCH	T	138	Poston - Ross	2256	E
STEAMTOWN	T	138	Steamtown - Summerfield	19398	E
STEAMTOWN	T	138	South Caldwell - Steamtown	24359	E
STEMPLE SWITCH	T	345	Canton Central - Stemple Sw.	23297	E
STEMPLE SWITCH	T	345	Tidd - Stemple	25279	E
STONE PLANT SWITCH	T	138	Freebyrd - South Cadiz	18697	E
THORNWOOD SWITCH	T	138	Ebersole - Findlay Center	20859	E
TIMBER SWITCH	T	138	Haviland - Timber Switch	16677	E
TIMBER SWITCH	T	138	Timber Road No. 2 - Timber Switch	16817	E
TUSCANY	T	138	Delano - Tuscany	25938	E

PUCO FOR FE-T8
AEP OHIO TRANSMISSION COMPANY
SUMMARY OF EXISTING SUBSTATIONS ON TRANSMISSION LINES

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE-T7 or FE-T9 Notation)	Notation	Line Existing or Proposed
TUSCANY	T	138	Scioto Trail(CSP) - Tuscany	25939	E
VASSELL	T	138	Delaware - Vassell	19358	E
VASSELL	T	345	Corridor - Vassell No. 1	18637	E
VASSELL	T	345	Corridor - Vassell No. 2	18638	E
VASSELL	T	345	Hyatt - Vassell	19359	E
VASSELL	T	765	Maliszewski - Vassell	19357	E
VASSELL	T	765	Kammer - Vassell	19899	E
WARE ROAD	T	138	Ware Road - Waverly	18299	E
WARE ROAD	T	138	Adams - Ware Road	22118	E
WINDFALL SWITCH	T	138	South Kenton - West Mount Vernon	748	E
YAGER	T	138	Azalea - Yager	24231	E
YAGER	T	138	Leesville - Yager	24232	E
YELLOW CREEK	T	138	East Lima - Yellow Creek	17717	E
YELLOW CREEK	T	138	East Leipsic - Yellow Creek	17718	E

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Amlin-Dublin 138kV Line
2.	Points of Origin and Termination:	Amlin, Dublin, Sumac; Intermediate Station - N/A
3.	Right-Of-Way:	3.7 Miles / 100 ft / 2ckts
4.	Voltage:	138/138 kV, both circuits
5.	Application For Certificate:	LON/Application 2018
6.	Construction:	To be completed approx. June 2020
7.	Capital Investment:	Approx. \$21 million
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead
10.	Participation with Other Utilities:	None
11.	Purpose of the Planned Transmission Line	Mitigate projected contingency overloads on 138kV system due to large load growth.
12.	Consequences of Line Construction Deferral or Termination:	New customer load would need to be limited.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Berlin - Lick - Ross
2.	Points of Origin and Termination:	Heppner/Rhodes; Intermediate Station - N/A
3.	Right-Of-Way:	~4.2 miles / 100 ft / 1 ckt
4.	Voltage:	138kV / 69kV
5.	Application For Certificate:	2018
6.	Construction:	2018
7.	Capital Investment:	\$20M
8.	Planned Substations:	Name - Rhodes; Voltage - 138/12kV; Acreage - N/A; Location - Jackson
9.	Supporting Structures:	steel H - frame
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Tie 138kV Lick-Corwin line to Lick Ross line for reliability
12.	Consequences of Line Construction Deferral or Termination:	Reduced reliability for Jackson County customers
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Blue Racer - Texas Eastern 138kV
2.	Points of Origin and Termination:	Blue Racer & Texas Eastern Berne; Intermediate Station - N/A
3.	Right-Of-Way:	0.15 mi / 100 ft / 1 circuit
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	LON in 2017
6.	Construction:	Est completion in 2020
7.	Capital Investment:	\$0.4 mil
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Provide 138kV service to customer; line must be re-routed to facilitate Blue Racer station upgrades
12.	Consequences of Line Construction Deferral or Termination:	Lack of 138kV service for Texas Eastern pipeline; delay of Herlan-Blue Racer PJM RTEP project
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Brice Extension 138kV Line
2.	Points of Origin and Termination:	Brice, Astor, Groves, Shannon; Intermediate Station - Refugee
3.	Right-Of-Way:	0.7 Miles / 100ft / 2ckts
4.	Voltage:	138/138 kV, both circuits
5.	Application For Certificate:	LON in 2018
6.	Construction:	To be completed approx. October 2019
7.	Capital Investment:	Approx. \$2 million
8.	Planned Substations:	Name - Brice; Voltage - 138/13kV; Acreage - ~3; Location - 6870 American Parkway
9.	Supporting Structures:	Overhead
10.	Participation with Other Utilities:	None
11.	Purpose of the Planned Transmission Line	Connect new customer delivery point.
12.	Consequences of Line Construction Deferral or Termination:	Customer delivery point could not be energized.
13.	Miscellaneous	Allendale-Fremont Center line rebuild

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Buckley Road-East End Fostoria-Fremont Center, 4782
2.	Points of Origin and Termination:	Buckley Road-East End Fostoria-Fremont Center; Intermediate Station - West Allendale Switch, South Allendale Switch, Weaver Switch, Amsden Switch
3.	Right-Of-Way:	15.25 mi / 100 / single ckt, some double ckt
4.	Voltage:	138 kV/69 kV
5.	Application For Certificate:	Application, 2017
6.	Construction:	To be completed approx. 12/31/2020
7.	Capital Investment:	\$26.8M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Rebuild of existing line for rehabilitation.
12.	Consequences of Line Construction Deferral or Termination:	Continued deterioration and reduced reliability.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Carrollton-Sunnyside 138kV
2.	Points of Origin and Termination:	Carrollton / Sunnyside; Intermediate Station - N/A
3.	Right-Of-Way:	20 mi / 100 ft / 1 circuit
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	LON in 2017
6.	Construction:	Est completion in 2019
7.	Capital Investment:	Approx. \$50 M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	6-wired double-circuit steel poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Rebuild of 100-year old line which has deteriorated
12.	Consequences of Line Construction Deferment or Termination:	Potential reliability issues with 100-yr old T-Line (Tidd-Carrollton)
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Corridor-Jug Street Line
2.	Points of Origin and Termination:	Corridor Station / Jug Street Station; Intermediate Station - N/A
3.	Right-Of-Way:	6.4 miles / 150 ft / 2ckts
4.	Voltage:	345,345 kV Design / 345,138 kV Operation
5.	Application For Certificate:	2018
6.	Construction:	To be completed approx. 2019
7.	Capital Investment:	Approx. \$30 million
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead
10.	Participation with Other Utilities:	None
11.	Purpose of the Planned Transmission Line	Area reliability/serve increased area capacity.
12.	Consequences of Line Construction Deferral or Termination:	Reduced area reliability. Limitations placed on rapid load growth.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Dennison-Yager 69kV (138kV design)
2.	Points of Origin and Termination:	Dennison / Yager; Intermediate Station - Irish Run Switch
3.	Right-Of-Way:	7.3 mi / 100 ft / 1 circuit
4.	Voltage:	138kV /69kV
5.	Application For Certificate:	Application approved in 2017
6.	Construction:	Est completion in 2019
7.	Capital Investment:	\$15 M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	6-wired double-circuit steel poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Area reliability/serve increased customer loads
12.	Consequences of Line Construction Deferral or Termination:	Reduced area reliability; load curtailment at industrial customer sites
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Dexter Sw. - Elliott - Lemaster 138 kV (Existing circuit Dexter Sw. - Elliott - Poston 138 kV circuit renamed due to Poston station being replaced by Lemaster station.)
2.	Points of Origin and Termination:	Lemaster/ Dexter Sw. Elliott; Intermediate Station - Rosewood Sw
3.	Right-Of-Way:	20.88 miles/100ft, 1 circuit
4.	Voltage:	138 kV/ 138 kV
5.	Application For Certificate:	LON to be filed in Spring 2017.
6.	Construction:	Station construction to start in 2017. Line construction to start in 2018.
7.	Capital Investment:	Approx: \$1.10 million
8.	Planned Substations:	Name - N/A; Voltage - 138 kV; Acreage - Approximately 22 acres.; Location - Athens
9.	Supporting Structures:	TBD
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Relocate to the new Lemaster station.
12.	Consequences of Line Construction Deferment or Termination:	Will not be energized as Poston station will be retired and Lemaster will replace it.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Dilles Bottom-George Washington 138kV
2.	Points of Origin and Termination:	Dilles Bottom & George Washington; Intermediate Station - N/A
3.	Right-Of-Way:	1.5 mi / 100 ft / 2 circuits
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	LON filing in 2018-19
6.	Construction:	Est completion in 2020
7.	Capital Investment:	\$2.5 M
8.	Planned Substations:	Name - Dilles Bottom (expansion); Voltage - 138; Acreage - 3; Location - Dilles Bottom
9.	Supporting Structures:	Double-circuit steel poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Transmission system reinforcement; customer service
12.	Consequences of Line Construction Deferral or Termination:	PJM reliability issues
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Dilles Bottom-Holloway 138kV
2.	Points of Origin and Termination:	Dilles Bottom & Holloway; Intermediate Station - N/A
3.	Right-Of-Way:	1.5 mi / 100 ft / 2 circuits
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	LON filing in 2018-19
6.	Construction:	Est completion in 2020
7.	Capital Investment:	\$3.5 M
8.	Planned Substations:	Name - Dilles Bottom (expansion); Voltage - 138; Acreage - 3; Location - Dilles Bottom
9.	Supporting Structures:	Double-circuit steel poles
10.	Participation with Other Utilities:	Yes, interconnect with FE ATSI 138kV lines (near former Burger power plant)
11.	Purpose of the Planned Transmission Line	Transmission system reinforcement; customer service
12.	Consequences of Line Construction Deferral or Termination:	PJM reliability issues
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	East Broad-Kirk 138kV
2.	Points of Origin and Termination:	East Broad St., Kirk; Intermediate Station - Mink
3.	Right-Of-Way:	0.2 Miles / 100ft / 2 circuits
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	LON 2018
6.	Construction:	2018
7.	Capital Investment:	\$10M
8.	Planned Substations:	Name - Mink; Voltage - 138kV; Acreage - 3.5; Location - Licking County, OH
9.	Supporting Structures:	Overhead
10.	Participation with Other Utilities:	None
11.	Purpose of the Planned Transmission Line	New customer delivery point
12.	Consequences of Line Construction Deferment or Termination:	Customer cannot be served at desired load and reliability level.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	East Leipsic - New Liberty 138kV
2.	Points of Origin and Termination:	East Leipsic - New Liberty; Intermediate Station - McComb, Shawtown Sw
3.	Right-Of-Way:	17 mi / 100 / single ckt
4.	Voltage:	138 kV / 138 kV
5.	Application For Certificate:	2018/2019
6.	Construction:	To be completed approx. 6/1/2020
7.	Capital Investment:	Approx. \$24M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Rebuild and voltage conversion of existing 34.5kV line to 138kV for operational flexibility
12.	Consequences of Line Construction Deferment or Termination:	Transmission Operational issues will continue to be of concern and will grow as new customer load is scheduled to come online in the area.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	East Leipsic - Newbery 138kV
2.	Points of Origin and Termination:	East Leipsic - Newbery; Intermediate Station - N/A
3.	Right-Of-Way:	1.06 mi / 100 / double ckt
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	2018
6.	Construction:	To be completed approx. 12/31/2018
7.	Capital Investment:	Approx. \$2M (for both circuits)
8.	Planned Substations:	Name - Newbery; Voltage - 138/12kV; Acreage - 1; Location - Leipsic Area
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	These circuits will be created as a result of Newbery station established to serve retail
12.	Consequences of Line Construction Deferral or Termination:	Delay of line or station work would affect customer in-service dates.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	East Lima - Haviland, 2062
2.	Points of Origin and Termination:	East Lima-Haviland; Intermediate Station - N/A (in rebuild section)
3.	Right-Of-Way:	29.4 mi / 100 / double ckt
4.	Voltage:	138 kV / 138 kV
5.	Application For Certificate:	LON, 2017
6.	Construction:	To be completed approx. 12/18/20
7.	Capital Investment:	\$51.5M for both circuits
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Rebuild of existing line for rehabilitation.
12.	Consequences of Line Construction Deferral or Termination:	Continued deterioration and reduced reliability.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	East Lima-Maddox Creek 345kV, 16757
2.	Points of Origin and Termination:	East Lima-Maddox Creek; Intermediate Station - NA
3.	Right-Of-Way:	30.34 mi / 150 / single ckt
4.	Voltage:	345 kV / 345 kV
5.	Application For Certificate:	LON, 2018
6.	Construction:	To be completed approx. 6/1/2021
7.	Capital Investment:	Approx \$18.2M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Existing Steel Lattice
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Connect and serve new generation customer
12.	Consequences of Line Construction Deferral or Termination:	Generation deliverability limitation
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Elk - Corwin 138 kV
2.	Points of Origin and Termination:	Elk/Corwin; Intermediate Station - N/A
3.	Right-Of-Way:	12.6 miles / 100 ft / 1 circuit
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	2012 Case 11-4505-EL-BTX / 2016 Case 16-0020-EL-BLN
6.	Construction:	To be completed approx. Summer 2018.
7.	Capital Investment:	Approx \$15.8M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - Athens
9.	Supporting Structures:	N/A
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Increase the reliability of the area. Line needs maintenance.
12.	Consequences of Line Construction Deferral or Termination:	Reduced area reliability
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Elk - Lemaster 138 kV (Existing circuit Elk - Poston 138 kV circuit renamed due to Poston
2.	Points of Origin and Termination:	Lemaster /Elk; Intermediate Station - Bolins Mill (Buckeye Co-op)
3.	Right-Of-Way:	21.79 miles/100ft, 1 circuit
4.	Voltage:	138 kV/ 138 kV
5.	Application For Certificate:	LON to be filed in Spring 2017.
6.	Construction:	Station construction to start in 2017. Line construction to start in 2018.
7.	Capital Investment:	Approx: \$1 million
8.	Planned Substations:	Name - N/A; Voltage - 138 kV; Acreage - Approximately 22 acres.; Location - Athens
9.	Supporting Structures:	TBD
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Relocate to the new Lemaster station.
12.	Consequences of Line Construction Deferral or Termination:	Will not be energized as Poston station will be retired and Lemaster will replace it.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Gemini - West Moulton 138kV
2.	Points of Origin and Termination:	Gemini - West Moulton; Intermediate Station - N/A
3.	Right-Of-Way:	10 mi / 100 / single ckt
4.	Voltage:	138 kV / 138 kV
5.	Application For Certificate:	2018/2019
6.	Construction:	To be completed approx. 12/31/2019
7.	Capital Investment:	Approx. \$14M
8.	Planned Substations:	Name - Gemini; Voltage - 138kV; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Service to new customer delivery point
12.	Consequences of Line Construction Deferral or Termination:	New customer load would not have service in required timeframe
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Glencoe-Speidel 138kV
2.	Points of Origin and Termination:	Glencoe / Speidel; Intermediate Station - South Belmont Switch; Lamira Switch
3.	Right-Of-Way:	13.5 mi / 100 ft / 1 circuit
4.	Voltage:	138kV / 69kV
5.	Application For Certificate:	Application anticipated 2018
6.	Construction:	Est completion in 2021-22
7.	Capital Investment:	Approx. \$25 M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Single-circuit steel poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Replace deteriorated 69kV facilities. Support area shale load growth.
12.	Consequences of Line Construction Deferral or Termination:	Increased risk of customer service interruptions, due to deteriorating T-Line facilities
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Gristmill - Gemini 138kV
2.	Points of Origin and Termination:	Gristmill - Gemini; Intermediate Station - N/A
3.	Right-Of-Way:	4.7 mi / 100 / single ckt
4.	Voltage:	138 kV / 138 kV
5.	Application For Certificate:	2018/2019
6.	Construction:	To be completed approx. 12/31/2019
7.	Capital Investment:	Approx. \$7M
8.	Planned Substations:	Name - Gristmill; Voltage - 345/138kV; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Service to new customer delivery point
12.	Consequences of Line Construction Deferral or Termination:	New customer load would not have service in required timeframe
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Gristmill - Shelby 345kV
2.	Points of Origin and Termination:	Gristmill - Shelby; Intermediate Station - N/A
3.	Right-Of-Way:	17.75 mi / 150 / single ckt
4.	Voltage:	345kV / 345kV
5.	Application For Certificate:	2018/2019
6.	Construction:	To be completed approx. 12/31/2019
7.	Capital Investment:	Approx. \$2M
8.	Planned Substations:	Name - Gristmill; Voltage - 345/138kV; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Guyed V
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	This circuit is created by cutting into the existing Shelby - Southwest Lima 345kV circuit and terminating at the new Gristmill Station. The only new line construction involves entrance spans to Gristmill station.
12.	Consequences of Line Construction Deferment or Termination:	New customer load would not have service in required timeframe
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Gristmill - Southwest Lima 345kV
2.	Points of Origin and Termination:	Gristmill - Southwest Lima; Intermediate Station - N/A
3.	Right-Of-Way:	10.5 mi / 150 / single ckt
4.	Voltage:	345kV / 345kV
5.	Application For Certificate:	2018/2019
6.	Construction:	To be completed approx. 12/31/2019
7.	Capital Investment:	Approx. \$2M
8.	Planned Substations:	Name - Gristmill; Voltage - 345/138kV; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Guyed V
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	This circuit is created by cutting into the existing Shelby - Southwest Lima 345kV circuit and terminating at the new Gristmill Station. The only new line construction involves entrance spans to Gristmill station.
12.	Consequences of Line Construction Deferment or Termination:	New customer load would not have service in required timeframe
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Guernsey 765kV Extensions
2.	Points of Origin and Termination:	Guernsey 765kV station (IPP interconnection); Intermediate Station - N/A
3.	Right-Of-Way:	0.1 mi / 150 ft / 2 circuits
4.	Voltage:	765kV / 765kV
5.	Application For Certificate:	LON filed in 2017
6.	Construction:	2019-20
7.	Capital Investment:	\$1 M
8.	Planned Substations:	Name - Guernsey; Voltage - 765kV; Acreage - 6; Location - Bysville
9.	Supporting Structures:	Guyed V or Steel H-frame
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Extend existing 765kV line to new 765kV station (Guernsey), which will interconnect the proposed Guernsey Power Station
12.	Consequences of Line Construction Deferment or Termination:	Not being able to power new 765kV natural gas power plant
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Haviland - Timber Switch 138kV
2.	Points of Origin and Termination:	Haviland - Timber Switch; Intermediate Station - N/A
3.	Right-Of-Way:	8.6 mi / 100 / single ckt
4.	Voltage:	138 kV / 138 kV
5.	Application For Certificate:	LON, 2017
6.	Construction:	To be completed approx. 4/1/2018
7.	Capital Investment:	Approx. \$10.4M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Rebuild of existing line for rehabilitation and PJM Baseline project b2161
12.	Consequences of Line Construction Deferment or Termination:	Continued deterioration and reduced reliability as well as inability to support PJM baseline project
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Herlan - Blue Racer 138kV
2.	Points of Origin and Termination:	Herlan & Blue Racer; Intermediate Station - N/A
3.	Right-Of-Way:	3.2 mi / 100 ft / 1 circuit
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	Application filed Jan 2017
6.	Construction:	Est completion in 2020
7.	Capital Investment:	\$7 mil
8.	Planned Substations:	Name - Herlan; Voltage - 138; Acreage - 4; Location - Seneca Twp, Monroe County
9.	Supporting Structures:	Single-circuit steel poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Area reliability; serve increased customer loads; resolves PJM baseline reliability concerns
12.	Consequences of Line Construction Deferral or Termination:	PJM RTEP planning criteria violations; reduced reliability to major industrial customers
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Ironton-Portsmouth 69kV line
2.	Points of Origin and Termination:	Millbrook Park / Franklin Furnace; Intermediate Station - N/A
3.	Right-Of-Way:	~5 miles Ohio portion / 100ft / 2 ckt
4.	Voltage:	138kV / 69kV
5.	Application For Certificate:	2018
6.	Construction:	Possible 2020 - 2023
7.	Capital Investment:	~\$20M Ohio portion
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	steel monopole
10.	Participation with Other Utilities:	AEP-KpCo
11.	Purpose of the Planned Transmission Line	Relocate Millbrook Park - Franklin Furnace line
12.	Consequences of Line Construction Deferral or Termination:	Increased risk of failure on the Millbrook Park - Franklin Furnace 69kV ilne
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Jug-Kirk 138kV
2.	Points of Origin and Termination:	Jug Street, Kirk; Intermediate Station - Babbit
3.	Right-Of-Way:	0.1 Miles / 150ft / 2ckts
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	LON, 2017-2018
6.	Construction:	2018
7.	Capital Investment:	Approx. \$10M
8.	Planned Substations:	Name - Babbitt; Voltage - 138kV; Acreage - 3.5; Location - Licking County, OH
9.	Supporting Structures:	Overhead
10.	Participation with Other Utilities:	None
11.	Purpose of the Planned Transmission Line	Serve new customer delivery point
12.	Consequences of Line Construction Deferment or Termination:	Customer cannot be served at desired load and reliability level.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Lamping 345kV Extensions
2.	Points of Origin and Termination:	Lamping 345kV station; Intermediate Station - N/A
3.	Right-Of-Way:	0.2 mi / 150 ft / 2 circuits
4.	Voltage:	345kV / 345kV
5.	Application For Certificate:	LON in 2018-19
6.	Construction:	2019
7.	Capital Investment:	\$1 M
8.	Planned Substations:	Name - Lamping; Voltage - 345/138kV; Acreage - 6; Location - Graysville
9.	Supporting Structures:	Steel Poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Extend existing 345kV line to new 345kV station (Lamping)
12.	Consequences of Line Construction Deferral or Termination:	Not being able to power new 345-138kV source station
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Lemaster - Ross (Existing circuit Poston - Ross 138 kV circuit renamed due to Poston station being replaced by Lemaster station.)
2.	Points of Origin and Termination:	Lemaster/Ross; Intermediate Station - South Bloomingville Sw
3.	Right-Of-Way:	42.44 miles/100ft, 1 circuit
4.	Voltage:	138 kV/ 138 kV
5.	Application For Certificate:	LON to be filed in Spring 2017.
6.	Construction:	Station construction to start in 2017. Line construction to start in 2018.
7.	Capital Investment:	Approx: \$0.803 million
8.	Planned Substations:	Name - N/A; Voltage - 138 kV; Acreage - Approximately 22 acres.; Location - Athens
9.	Supporting Structures:	TBD
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Relocate to the new Lemaster station.
12.	Consequences of Line Construction Deferment or Termination:	Will not be energized as Poston station will be retired and Lemaster will replace it.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Logtown-North Delphos 138kV, 24385
2.	Points of Origin and Termination:	Logtown-North Delphos; Intermediate Station - N/A (in rebuild section)
3.	Right-Of-Way:	25.7 mi / 100 / double ckt
4.	Voltage:	138 kV/138 kV
5.	Application For Certificate:	LON, 2017
6.	Construction:	To be completed approx. 12/31/2018
7.	Capital Investment:	\$28.2M for both circuits
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Rebuild of existing line for rehabilitation.
12.	Consequences of Line Construction Deferral or Termination:	Continued deterioration and reduced reliability.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Lowell 138 kV extension
2.	Points of Origin and Termination:	Lowell / Macksburg - Highland Ridge Switch 138 kV; Intermediate Station - N/A
3.	Right-Of-Way:	3.5 miles / 100 ft / 1 circuit
4.	Voltage:	138 kV/138 kV
5.	Application For Certificate:	To be submitted 2017 or 2018
6.	Construction:	To be completed approx. Fall 2020
7.	Capital Investment:	Approx \$ 4 M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Single steel poles with single circuit
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Increased area reliability
12.	Consequences of Line Construction Deferral or Termination:	Reduced area reliability
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Macksburg - Highland Ridge Switch 138 kV
2.	Points of Origin and Termination:	Macksburg / Highland Ridge Switch; Intermediate Station - N/A
3.	Right-Of-Way:	11.3 miles / 100 ft / 1 circuit
4.	Voltage:	138 kV/138 kV
5.	Application For Certificate:	Approx February 2016
6.	Construction:	To be completed approx. 2019-20
7.	Capital Investment:	Approx \$30 M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Single steel poles with single circuit
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Increased area reliability
12.	Consequences of Line Construction Deferral or Termination:	Reduced area reliability
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Miles Avenue Extension (connect to S. Canton-W. Canton #2 138kV)
2.	Points of Origin and Termination:	Miles Avenue station; in-and-out loop; Intermediate Station - N/A
3.	Right-Of-Way:	325 ft / 100 ft / 2 circuits
4.	Voltage:	138kV
5.	Application For Certificate:	Construction Notice filed in 2016
6.	Construction:	Est completion in 2019
7.	Capital Investment:	\$420k
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Double-circuit steel poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Serve AEP distribution station with improved reliability; retire switch in residential backyard
12.	Consequences of Line Construction Deferral or Termination:	Continued inaccessibility of AEP transmission facilities; risk of reliability problems
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	New line, Corner-Coolville 138kV
2.	Points of Origin and Termination:	Corner/Coolville; Intermediate Station - N/A
3.	Right-Of-Way:	~12 miles / 100 ft / 1 ckt
4.	Voltage:	138kV/138kV
5.	Application For Certificate:	2019
6.	Construction:	Possible 2020 - 2023
7.	Capital Investment:	~\$33M
8.	Planned Substations:	Name - Expand Coolville station; Voltage - 138/69/12kV; Acreage - +3 acres; Location - Meigs/Galia
9.	Supporting Structures:	TBD
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Provide source for Coolville and Hemlock-Ravenswood 69 kV line for reliability and voltage support
12.	Consequences of Line Construction Deferral or Termination:	Poor reliability for Galia county customers
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Newbery - Yellow Creek 138kV
2.	Points of Origin and Termination:	Newbery - Yellow Creek; Intermediate Station - N/A
3.	Right-Of-Way:	0.67 mi / 100 / double ckt
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	2018
6.	Construction:	To be completed approx. 12/31/2018
7.	Capital Investment:	Approx. \$2M (for both circuits)
8.	Planned Substations:	Name - Newbery; Voltage - 138/12kV; Acreage - 2; Location - Leipsic Area
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	These circuits will be created as a result of Newbery station established to serve retail
12.	Consequences of Line Construction Deferral or Termination:	Delay of line or station work would affect customer in-service dates.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	North Delphos - Sterling, 24386
2.	Points of Origin and Termination:	North Delphos-Sterling; Intermediate Station - N/A (in rebuild section)
3.	Right-Of-Way:	15.4 mi / 100 / double ckt
4.	Voltage:	138 kV / 138 kV
5.	Application For Certificate:	LON, 2017
6.	Construction:	To be completed approx. 12/18/20
7.	Capital Investment:	\$28.9M for both circuits
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Rebuild of existing line for rehabilitation.
12.	Consequences of Line Construction Deferral or Termination:	Continued deterioration and reduced reliability.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Portsmouth-Trenton
2.	Points of Origin and Termination:	Hillsboro, Hutchings (DP&L); Intermediate Station Clinton County (Duke), Middleboro (DP&L)
3.	Right-Of-Way:	~36 miles / 100ft / dbl & sgl ckt
4.	Voltage:	138kV/138kV
5.	Application For Certificate:	LON 2018
6.	Construction:	2018-2021
7.	Capital Investment:	\$114.6M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Steel H-frame & Steel Monopole
10.	Participation with Other Utilities:	Duke & DP&L
11.	Purpose of the Planned Transmission Line	Aging infrastructure
12.	Consequences of Line Construction Deferral or Termination:	Increase risk of line failure and outages to Middleboro
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Poston - Elk 138 kV
2.	Points of Origin and Termination:	Poston/Elk; Intermediate Station - Mineral and Bolins Mill
3.	Right-Of-Way:	21.79 miles / 100 ft / 1 circuit
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	2012 Case 11-4505-EL-BTX / 2016 Case 16-0020-EL-BLN
6.	Construction:	To be completed approx. Summer 2018.
7.	Capital Investment:	Approx \$27M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - Athens
9.	Supporting Structures:	N/A
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Increase the reliability of the area. Line needs maintenance.
12.	Consequences of Line Construction Deferral or Termination:	Reduced area reliability
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Poston - Harrison 138 kV
2.	Points of Origin and Termination:	Poston/Harrison; Intermediate Station - Good Hope
3.	Right-Of-Way:	54.33 miles / 100 ft / 1 circuit
4.	Voltage:	138kV / 138kV
5.	Application For Certificate:	2016
6.	Construction:	To be completed approx. 12-2019.
7.	Capital Investment:	Approx \$61.8M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - Athens
9.	Supporting Structures:	N/A
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Increase the reliability of the area. Line needs maintenance.
12.	Consequences of Line Construction Deferral or Termination:	Customers would be subject to long outages if there were an outage due to the line condition.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Rockhill - West Lima, 743
2.	Points of Origin and Termination:	Rockhill-West Lima; Intermediate Station - N/A (in rebuild section)
3.	Right-Of-Way:	3.0 mi / 100 / double ckt
4.	Voltage:	138 kV / 138 kV
5.	Application For Certificate:	LON, 2017
6.	Construction:	To be completed approx. 12/18/20
7.	Capital Investment:	\$5.6M for both circuits
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Overhead, Steel, Pole
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Rebuild of existing line for rehabilitation.
12.	Consequences of Line Construction Deferral or Termination:	Continued deterioration and reduced reliability.
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Sardinia extension
2.	Points of Origin and Termination:	Wild Cat / Kenton 138kV line; Intermediate Station - N/A
3.	Right-Of-Way:	~4 miles / 100 ft / 2 ckt
4.	Voltage:	138kV/138kV
5.	Application For Certificate:	2018
6.	Construction:	ISD 2021
7.	Capital Investment:	\$12M
8.	Planned Substations:	Name - Possible expansion of Sardinia; Voltage - 138/12kV; Acreage - <1 acre; Location - Highland
9.	Supporting Structures:	TBD
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Retire Seaman - Sardinia line and provide new redundant source for Sardinia
12.	Consequences of Line Construction Deferral or Termination:	Increased risk of failure on Seaman-Sardinia line, increased CMI for Sardinia customers
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	South Caldwell - Macksburg 138kV
2.	Points of Origin and Termination:	South Caldwell / Macksburg; Intermediate Station - South Olive Switch
3.	Right-Of-Way:	11.3 miles / 100 ft / 1 circuit
4.	Voltage:	138 kV / 138 kV
5.	Application For Certificate:	Approx. February 2016
6.	Construction:	To be completed approx. June 2018
7.	Capital Investment:	Approx. \$16 million
8.	Planned Substations:	Name - South Olive Switch (proposed); Voltage - 138 kV; Acreage - 0.1; Location - Dexter City,
9.	Supporting Structures:	Single steel poles with single circuit
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Increase area reliability
12.	Consequences of Line Construction Deferral or Termination:	Reduced area reliability
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	South Kenton - West Mount Vernon, 748
2.	Points of Origin and Termination:	South Kenton - West Mount Vernon; Intermediate Station - FULTON (OP), NORTH WALDO,
3.	Right-Of-Way:	59.1 mi / 100 / single ckt
4.	Voltage:	138 kV / 138 kV
5.	Application For Certificate:	LON, 2017
6.	Construction:	Target completion 12/1/2020
7.	Capital Investment:	70319000
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Steel Poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Rebuild of existing line for rehabilitation.
12.	Consequences of Line Construction Deferral or Termination:	Reduced reliability as line continues to deteriorate
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Speidel-Summerfield 138kV
2.	Points of Origin and Termination:	Speidel / Summerfield; Intermediate Station - Batesville; Barnesville
3.	Right-Of-Way:	19.5 mi / 100 ft / 1 circuit
4.	Voltage:	138kV / 69kV
5.	Application For Certificate:	Application approved in 2017
6.	Construction:	Est completion in 2020
7.	Capital Investment:	Approx. \$30 M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Single-circuit steel poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Replace deteriorated 69kV facilities. Support area shale load growth.
12.	Consequences of Line Construction Deferral or Termination:	Increased risk of customer service interruptions, due to deteriorating T-Line facilities
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Summerfield- Blue Racer 138kV
2.	Points of Origin and Termination:	Summerfield & Blue Racer; Intermediate Station - N/A
3.	Right-Of-Way:	3.5 mi / 100 ft / 1 circuit
4.	Voltage:	138 kV/138 kV
5.	Application For Certificate:	LON filed Jan 2018
6.	Construction:	Est completion in 2020
7.	Capital Investment:	\$7 mil
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	Single-circuit steel poles & steel H-frames
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Area reliability; serve increased customer loads; replace deteriorated wood pole line
12.	Consequences of Line Construction Deferral or Termination:	Reduced reliability due to limited thermal ratings and T-Line deterioration
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	West Bellaire-Glencoe 138kV
2.	Points of Origin and Termination:	West Bellaire / Glencoe; Intermediate Station - N/A
3.	Right-Of-Way:	5.8 mi / 100 ft / 2 circuit (1 @ 69kV; 1 @ 138kV)
4.	Voltage:	138kV Design; 1 operate @ 138; 1 operate @ 69
5.	Application For Certificate:	Application approved in 2018
6.	Construction:	Est completion in mid-2019
7.	Capital Investment:	Approx. \$13 M
8.	Planned Substations:	Name - Glencoe (expansion); Voltage - 138/69; Acreage - 4; Location - Glencoe, Belmont County
9.	Supporting Structures:	Double-circuit steel poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Resolve thermal overload violations
12.	Consequences of Line Construction Deferral or Termination:	Risk of system overloads, which could affect customer reliability in the area
13.	Miscellaneous	

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	Line Name and Number:	Yager-Desert Road 69kV (138kV design)
2.	Points of Origin and Termination:	Yager / Desert Road; Intermediate Station - West Bowerston Switch
3.	Right-Of-Way:	6.8 mi / 100 ft / 1 circuit
4.	Voltage:	138kV /69kV
5.	Application For Certificate:	Application approved in 2017
6.	Construction:	Est completion in 2019
7.	Capital Investment:	\$14 M
8.	Planned Substations:	Name - N/A; Voltage - N/A; Acreage - N/A; Location - N/A
9.	Supporting Structures:	6-wired double-circuit steel poles
10.	Participation with Other Utilities:	N/A
11.	Purpose of the Planned Transmission Line	Area reliability/serve increased customer loads
12.	Consequences of Line Construction Deferral or Termination:	Reduced area reliability; load curtailment at industrial customer sites
13.	Miscellaneous	

PUCO FORM FE-T10
AEP OHIO TRANSMISSION COMPANY
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
Babbit	345/138	T	8/1/2018	Jug-Kirk 138kV => Babbit-Jug 138kV & Babbit-Kirk 138kV	Existing	3.5
Bell Ridge Switch	138	T	2020	Devola - Rouse switch 138 kV	Proposed	TBD
Devola	138/12	D	2020	Mill Creek-Belmont 138kV tie-line; Lamping-Devola 138kV; South Caldwell-Devola 138kV; Gorsuch-Mill Creek 138kV	2 Existing; 2 Proposed	5
Gemini	138	T	7/11/1905	Gristmill - Gemini 138kV, Gristmill - West Moulton 138kV	Proposed	3
Gristmill	345/138	T	7/11/1905	Gristmill - Shelby 345kV, Gristmill - Southwest Lima 345kV, Gristmill - Gemini 138kV	Proposed	3
Guernsey (IPP interconnection)	765	T	2019 - 2020	Kammer-Vassell 765kV	Existing	6
Hannibal (IPP interconnection)	138	T	2020	Kammer-Ormet #1, #2, #3, #4 138kV	Existing	4
Heppner	138kV Design, Operated 69kV	T	2018	Lick-Ross 69kV, Rhodes-Heppner 69kV	Existing	2 acres used, 5 acres purchased
Herlan	138	T	2020	Summerfield - Herlan 138kV; South Caldwell-Herlan 138kV; Herlan - Blue Racer 138kV; Herlan-Natrum #1 & #2 138kV	4 Existing, 1 Proposed	4
Hopetown	138 kV	T	2020	Biers Run - Circleville 138kV	Proposed	estimated 6 acres
Lamping	345/138	T	2019	Kammer-Muskingum 345kV	Existing	6
Lemaster	138/12kV	D	Estimated 6/1/2018	Poston - Ross 138 kV; Poston - Harrison 138 kV; Poston - Hocking 138 kV; Crooksville - Poston - Strouds Run 138 kV; Corwin - Elk - Poston 138 kV; Dexter - Elliot - Poston 138 kV	Existing	Approx 10 acres
Newbery	138/12	T	7/10/1905	East Leipsic - Newbery 138kV, Newbery - Yellow Creek 138kV	Proposed	1
Parlett	138 (energized at 69)	T	2018	Blackhawk-Parlett 69kV; Sparrow-Parlett 69kV; Dillonvale- Parlett 69kV	Existing	3

PUCO FORM FE-T10
AEP OHIO TRANSMISSION COMPANY
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
Rhodes	138 kV	T	2018	Corwin-Lick 138kV, Rhodes-Heppner 69kV	Existing	2 acres used, 4.5 acres purchased
Rouse Switch	138	T	2020	Rouse Switch - Devola 138 kV; Rose switch - New Metamoras 138 kV	Proposed	TBD
Ruhlman Tap Switch Station	138 kV	T	2021	Central Portsmouth-North Portsmouth 138kV	Existing	Estimated 1 acre
Sunday Switch	138 kV	T	12/1/2018	Crooksville - Poston - Strouds Run 138 kV	Proposed	TBD

APPENDIX

List of Libraries

ADAMS COUNTY PUBLIC LIBRARY
212 E SPARKS ST
WEST UNION OH 45693-1257

LIMA PUBLIC LIBRARY
650 W MARKET ST
LIMA OH 45801-4678

ASHLAND CO PUBLIC LIBRARY
224 CLAREMONT AVE
ASHLAND OH 44805-3093

ATHENS CO PUBLIC LIBRARY
95 W WASHINGTON
NELSONVILLE OH 45764-1134

AUGLAIZE CO PUBLIC LIBRARY
203 S PERRY ST
WAPAKONETA OH 45895-1999

ST CLAIRSVILLE PUBLIC LIBRARY
108 W MAIN ST
ST CLAIRSVILLE OH 43950-1225

BROWN COUNTY PUBLIC LIBRARY
613 S HIGH ST
P O BOX 527
MT ORAB OH 45154

CARROLL CO DISTRICT LIBRARY
70 SECOND ST NE
CARROLLTON OH 44615-1326

CARNEGIE PUBLIC LIBRARY
219 E FOURTH ST
EAST LIVERPOOL OH 43920-3143

COSHOCTON PUBLIC LIBRARY
655 MAIN ST
COSHOCTON OH 43812-1697

BUCYRUS PUBLIC LIBRARY
200 E MANSFIELD ST
BUCYRUS OH 44820-2381

GREENVILLE PUBLIC LIBRARY
520 SYCAMORE ST
GREENVILLE OH 45331-1438

DEFIANCE PUBLIC LIBRARY
320 FORT ST
DEFIANCE OH 43512-2186

DELAWARE COUNTY LIBRARY
84 E WINTER ST
DELAWARE OH 43015-1941

FAIRFIELD CO DISTRICT LIBRARY
219 N BROAD ST
LANCASTER OH 43130-3098

CARNEGIE PUBLIC LIBRARY
127 S NORTH ST
WASHINGTON CH OH 43160-2283

COLUMBUS METRO LIBRARY
96 S GRANT AVE
COLUMBUS OH 43215-4702

DR SAMUEL L BOSSARD MEMORIAL
LIBRARY
7 SPRUCE ST
GALLIPOLIS OH 45631-1220

GUERNSEY CO PUBLIC LIBRARY
800 STEUBENVILLE AVE
CAMBRIDGE OH 43725-8590

FINDLAY HANCOCK COUNTY
PUBLIC DISTRICT LIBRARY
206 BROADWAY ST
FINDLAY OH 45840-3382

MARY LOU JOHNSON-HARDIN CO
DISTRICT PUBLIC LIBRARY
325 E COLUMBUS ST
KENTON OH 44326-1546

PUSKARICH PUBLIC LIBRARY
200 E MARKET ST
CADIZ OH 43907-1185

PATRICK HENRY SCHOOL DISTRICT
PUBLIC LIBRARY
208 N EAST AVE
DESHLER OH 43516-1280

HIGHLAND CO DISTRICT LIBRARY
10 WILLETTTSVILLE PIKE
HILLSBORO OH 45133-8524

LOGAN-HOCKING CO LIBRARY
230 E MAIN ST
LOGAN OH 43138-1356

HOLMES CO PUBLIC LIBRARY
3102 GLEN DR
MILLERSBURG OH 44654-1397

HURON CO COMMUNITY LIBRARY
6 W EMERALD ST
WILLARD OH 44890-1610

JACKSON CITY LIBRARY
21 BROADWAY ST
JACKSON OH 45640-1610

PUBLIC LIBRARY OF
STEUBENVILLE & JEFFERSON CO
407 S 4TH ST
STEUBENVILLE OH 43952-2942

PUBLIC LIBRARY OF MT VERNON &
KNOX CO
201 N MULBERRY ST
MT VERNON OH 43050-2413

BRIGGS LAWRENCE COUNTY
PUBLIC LIBRARY
321 S 4th ST
IRONTON OH 45638-1613

LICKING COUNTY LIBRARY
101 W MAIN ST
NEWARK OH 43055-5054

KNOWLTON LIBRARY
220 N MAIN ST
BELLEFONTAINE OH 43311-2228

HURT/BATTELLE MEM LIBRARY
270 LILLY CHAPEL RD
WEST JEFFERSON OH 43162-1202

MARION PUBLIC LIBRARY
445 E CHURCH ST
MARION OH 43302-4290

MEIGS CO DISTRICT LIBRARY
216 W MAIN ST
POMEROY OH 45769-1032

MONROE CO DISTRICT LIBRARY
96 HOME AVE
WOODSVILLE OH 43793-1232

KATE LOVE-SIMPSON MORGAN
COUNTY LIBRARY
358 E MAIN ST
MCCONNELSVILLE OH 43756-1130

MT GILEAD FREE PUBLIC LIBRARY
41 E HIGH ST
MT GILEAD OH 43338-1429

MUSKINGUM CO LIBRARY SYSTEM
220 N FIFTH ST
ZANESVILLE OH 43701-2508

CALDWELL PUBLIC LIBRARY
517 SPRUCE ST
CALDWELL OH 43724-1289

PAULDING CO CARNEGIE LIBRARY
205 S MAIN ST
PAULDING OH 45879-1492

PERRY CO DISTRICT LIBRARY
117 S JACKSON ST
NEW LEXINGTON OH 43764-1368

PICKAWAY CO PUBLIC LIBRARY
1160 N COURT ST
CIRCLEVILLE OH 43113-1304

GARNET A WILSON PUBLIC
LIBRARY OF PIKE COUNTY
207 N MARKET ST
WAVERLY OH 45690-1138

PUTNAM CO DISTRICT LIBRARY
136 PUTNAM PARKWAY
OTTAWA OH 45875

MANSFIELD-RICHLAND CO LIBRARY
43 W THIRD ST
MANSFIELD OH 44902-1218

CHILLICOTHE AND ROSS COUNTY
PUBLIC LIBRARY
140 S PAINT ST
P O BOX 185
CHILLICOTHE OH 45601

BIRCHARD PUBLIC LIBRARY OF
SANDUSKY COUNTY
423 CROGHAN ST
FREMONT OH 43420-2499

PORTSMOUTH PUBLIC LIBRARY
1220 GALLIA ST
PORTSMOUTH OH 45662-4185

TIFFIN-SENECA PUBLIC LIBRARY
77 JEFFERSON ST
TIFFIN OH 44883-2399

STARK COUNTY DISTRICT LIBRARY
715 MARKET AVE N
CANTON OH 44702-1018

AKRON-SUMMIT PUBLIC LIBRARY
60 S HIGH ST
AKRON OH 44326

TUSCARAWAS CO PUBLIC LIBRARY
121 FAIR AVE NW
NEW PHILADELPHIA OH 44663

MARYSVILLE PUBLIC LIBRARY
231 S PLUM ST
MARYSVILLE OH 43040-1596

BRUMBACK LIBRARY
215 W MAIN ST
VAN WERT OH 45891-1695

HERBERT WESCOAT MEM LIBRARY
120 N MARKET ST
MCARTHUR OH 45651-1297

WASHINGTON CO PUBLIC LIBRARY
615 FIFTH ST
MARIETTA OH 45750-1973

WAYNE CO PUBLIC LIBRARY
220 W LIBERTY ST
WOOSTER OH 44691-3514

WOOD COUNTY PUBLIC LIBRARY
251 N MAIN ST
BOWLING GREEN OH 43402-2477

UPPER SANDUSKY COMM LIBRARY
301 N SANDUSKY AVE
UPPER SANDUSKY OH 43351-1139

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Case No(s). 18-1501-EL-FOR

Summary: Report - 2018 Long-Term Forecast Report on behalf of AEP Ohio Transmission Company, Inc., pursuant to Section 4935.04, Ohio Revised Code. electronically filed by Mr. Steven T Nourse on behalf of AEP Ohio Transmission Company