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

Christen M. Blend
Senior Counsel –
Regulatory Services
(614) 716-1915 (P)
(614) 716-2014 (F)
cmblend@aep.com

RE: ***In the Matter of the Long-Term Forecast Report of AEP Ohio Transmission Company, Inc. and Related Matters*, Case No. 20-1501-EL-FOR**

Dear Ms. Troupe:

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

Thank you for your attention to this matter.

Respectfully submitted,

/s/ Christen M. Blend
Christen M. Blend (0086881)

Counsel for AEP Ohio Transmission Company, Inc.

AEP OHIO TRANSMISSION COMPANY, INC.

LONG-TERM FORECAST REPORT

TO THE

PUBLIC UTILITIES COMMISSION OF OHIO

Case No. 20-1501-EL-FOR

2020

ELECTRIC

LONG-TERM FORECAST REPORT

TO THE

PUBLIC UTILITIES COMISSION OF OHIO

Submitted By

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

April 15, 2020

CERTIFICATE OF SERVICE

I hereby certify that:

1. In accordance with the order of the Public Utilities Commission of Ohio, entered on April 6, 2020 in Case No. 20-1501-EL-FOR, waiving the requirements of Section 4901:5-1-03(F) and Section 4901:5-1-03(G), Ohio Administrative Code, to deliver or mail a copy of AEP Ohio Transmission Company, Inc's 2020 Long-Term Forecast Report to the Office of Consumers' Counsel ("OCC") on the day of the filing, and to send a copy of such report by first class mail to the appropriate county libraries within three days of such filing, respectively, AEP Ohio Transmission Company (a) will post a copy of such filed report on its public website; (b) e-mail a copy of such filed report to the counsel for OCC, and make a paper copy available to the OCC upon request; and (c) make paper copies of such filed report available to Commission Staff upon request after the declared state of emergency has ended and COVID 19-related contact restrictions are lifted.

3. Pursuant to Section 4901:5-1-03(H), Ohio Administrative Code, AEP Ohio Transmission Company, Inc. will keep at least one copy of its 2020 Long-Term Forecast Report at its 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 its 2020 Long-Term Forecast report to any person upon request at a cost to cover the expenses incurred.

Christen M. Blend

Christen M. Blend (0086881)
American Electric Power Service Corporation
1 Riverside Plaza, 29th Floor
Columbus, Ohio 43215
(614) 716-1915

Attorney for AEP Ohio Transmission Company, Inc.

April 15, 2020
Dated this day in Columbus, Ohio

STATEMENT PURSUANT TO SECTION 4901:5-1-03(D),

OHIO ADMINISTRATIVE CODE

AEP Ohio Transmission Company's 2020 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.

April 15, 2020
Dated in Columbus, Ohio

TABLE OF CONTENTS

AEP OHIO TRANSMISSION COMPANY, INC.

LTFR TRANSMISSION FORMS

PUCO Form FE-T7:
Characteristics of Existing Transmission Lines

Transmission Name & Line No.[a]	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
19957	*Steamtown - Steamtown (Markwest) #1	747	747	926	926	138	138	0.01	100/100	1 pole	1	1	
19958	*Steamtown - Steamtown (Markwest) #2	747	747	926	926	138	138	0.01	100/100	1 pole	1	1	
19959	*Steamtown - Steamtown (Markwest) #3	747	747	926	926	138	138	0.01	100/100	1 pole	1	1	
22618	*Steamtown - Steamtown (Markwest) #4	747	747	926	926	138	138	0.01	100/100	Steel - 1 pole	1	1	
25880	Allen - Logtown	290	290	290	290	138	138	2.29	100/100	Steel - 1 pole	1	1	
16678	Allen - Timber Switch	283	355	357	411	138	138	2.39	100/100	Steel	1	1	TILLMAN
26897	Amlin - Cole	564	683	712	812	138	138	11	100/100	Steel - 1 pole	1	1	
20237	Amlin - Hyatt	564	755	712	858	138	345	0.66	150/150	Steel - Lattice	1	1	
26298	Amlin - Sumac #1	766	898	970	1069	138	138	0.04	100/100	Steel - 1 pole	1	1	
26297	Amlin - Sumac #2	766	898	970	1069	138	138	0.04	100/100	Steel - 1 pole	1	1	
29178	Anguin - Babbitt #1	996	996	1183	1183	138	138	1.55	100/100	Steel - 1 pole	1	1	
29179	Anguin - Babbitt #2	996	996	1183	1183	138	138	1.69	100/100	Steel - 1 pole	1	1	
29817	Astor - Brice	216	216	272	272	138	138	0.65	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	Wood - 1 pole	1	1	
27897	Babbit - Jug	564	747	712	858	138	345	2.03	150/150	Steel - 1 pole	1	1	
20758	Babbit - Kirk	564	755	712	858	138	345	10.68	150/150	Steel - 2 pole	1	1	
11337	Beatty - Bolton	223	223	281	281	138	138	0.14	100/100	Steel - Lattice	1	1	
27117	Belmont (FE) - Levee	129	161	162	186	138	138	3.26	100/100	Steel - 1 pole	1	1	RENO
2804	Bexley - Groves	335	392	424	466	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	18.93	100/100	Wood - 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 #1	145	145	183	183	138	138	4.29	100/100	Wood - 1 pole	1	1	
2331	Bixby - Groves Road #2	335	392	424	466	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	
16797	Blue Creek - Maddox Creek	2365	2826	3016	3363	345	345	0.03	150/150	Steel - Lattice	1	1	
24803	Blue Racer - Herlan	296	413	375	464	138	138	3.25	100/100	Steel	1	1	
20578	Blue Racer - Texas Eastern	95	95	95	95	138	138	0.18	100/100	Steel - 1 pole	1	1	
26757	Bolton - Hall	223	223	281	281	138	138	0.12	100/100	Steel - Lattice	1	1	
29818	Brice - Groves - Shannon	216	216	272	272	138	138	0.53	100/100	Steel - 1 pole	1	1	
24900	Britton-Davidson #2	296	398	375	452	138	138	0.86	100/100	Steel - 1 pole	1	1	
23297	Canton Central - Stemple Switch	1409	1409	1781	1781	345	345	0.45	150/150	Wood - 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	358	358	358	358	138	138	2.62	100/100	Steel - 2 pole	1	1	
26338	Clouse - Zanesville	150	167	189	210	138	138	0.08	100/100	Wood - 1 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	335	392	424	466	138	345	1.34	150/150	Steel - Lattice	1	1	

PUCO Form FE-T7:
Characteristics of Existing Transmission Lines

Transmission Name & Line No.[a]	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
30798	Corridor - Jug Street	747	747	926	926	138	138	6.62	150/150	Steel - 1 pole	1	1	
18637	Corridor - Vassell #1	1409	1472	1781	1826	345	345	0.38	150/150	Steel - Lattice	1	1	
18638	Corridor - Vassell #2	1409	1887	1781	2144	345	345	0.38	150/150	Steel - Lattice	1	1	
22417	Corwin - Elk	219	255	277	303	138	138	17.8	100/100	Steel - 2 pole	1	1	
27081	Corwin - Rhodes	200	254	253	293	138	138	5.3	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	
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 - Tuscany	383	449	485	534	138	138	11	100/100	Steel - H-frame	1	1	
19358	Delaware - Vassell	338	456	427	517	138	138	1.51	100/100	Steel - Lattice	1	1	
596	Dexter Switch - Elliott - Poston	190	190	190	190	138	138	0.02	100/100	Steel - Lattice	1	1	ROSEWOOD SWITCH
28478	Dilles Bottom - George Washington #1	608	608	641	641	138	138	0.2	100/100	Steel - Lattice	1	1	
27118	Duck Creek - Levee	282	282	356	356	138	138	4.05	100/100	Steel - 1 pole	1	1	
27119	Duck Creek - Mill Creek	240	282	313	356	138	138	1.38	100/100	Steel - 1 pole	1	1	
27881	East Broad - Mink 138 kV	240	309	317	367	138	138	7.1	100/100	Wood - 1 pole	1	1	TAYLOR
17718	East Leipsic - Yellow Creek	287	337	363	400	138	138	0.41	100/100	Steel - 1 pole	1	1	
17717	East Lima - Yellow Creek	145	145	183	183	138	138	0.41	100/100	Wood - 1 pole	1	1	
25200	Elk - Lemaster	200	200	253	253	138	138	20.66	100/100	Steel - 1 pole	1	1	
22219	Firebrick - Gavin	185	185	234	234	138	138	0.04	100/100	Steel - Lattice	1	1	
22220	Firebrick - Millbrook	185	185	234	234	138	138	0.02	100/100	Steel - Lattice	1	1	
24229	Freebyrd - Nottingham	296	413	375	464	138	138	4.87	100/100	Steel - 2 pole	1	1	
26538	Freebyrd - South Cadiz	205	205	258	258	138	138	3.69	100/100	Steel - 1 pole	1	1	
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	
25558	Gable SW - South Cadiz	185	185	234	234	138	138	0.94	100/100	Wood - 2 pole	1	1	
25559	Gable SW - Tidd	287	337	363	400	138	138	5.82	100/100	Steel - Lattice	1	1	
18657	Gahanna - West Millersport	219	255	277	303	138	345	1.22	150/150	Wood - 1 pole	1	1	
28482	George Washington - Holloway	608	608	641	641	138	138	0.2	100/100	Steel - Lattice	1	1	
22524	George Washington - Kammer North	446	446	539	563	138	138	6.76	100/100	Steel - Lattice	1	1	
4942	Globe Metal - Muskingum River	167	167	210	210	138	138	0.35	100/100	Steel - 3 pole	1	1	MUSKINGUM RIVER 138KV
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	2.36	100/100	Wood - 1 pole with push brace	1	1	
25201	Harrison - Lemaster	196	247	248	286	138	138	24.92	100/100	Wood - H-frame	1	1	
16677	Haviland - Timber Switch	187	240	247	285	138	138	8.55	100/100	Steel - 1 pole	1	1	
21117	Highland (CSP) - Hillsboro	296	413	375	464	138	138	7.5	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	
25198	Hocking - Lemaster	223	223	281	281	138	138	15.7	100/100	Steel - 1 pole	1	1	KIMBERLY
10217	Hocking - West Lancaster	196	247	248	286	138	138	19.06	100/100	Steel - H-frame	1	1	
19359	Hyatt - Vassell	1370	1409	1779	1781	345	345	0.41	150/150	Steel - Lattice	1	1	

PUCO Form FE-T7:
Characteristics of Existing Transmission Lines

Transmission Name & Line No.[a]	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
584	Hyatt (OP) - Marysville	1166	1376	1481	1639	345	345	0.45	150/150	Steel - Lattice	1	1	
15238	Jug Street - Kirk	1409	1868	1781	2144	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	
26957	June Road - Wagenhals	335	392	424	466	138	138	0.12	100/100	Steel - 1 pole	1	1	
29363	Kammer - Lamping	971	971	1234	1234	345	345	0.19	150/150	Steel - 1 pole	1	1	
19899	Kammer - 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	Cable - Duct & Mar	1	1	
30377	Kirk - Mink	338	338	427	427	138	138	0.05	100/100	Steel - 1 pole	1	1	
24228	Knox(FE) - Nottingham	200	242	226	286	138	138	1.27	100/100	Steel - 1 pole	1	1	
29362	Lamping - Muskingum	915	971	1158	1234	345	345	0.45	150/150	Steel - 1 pole	1	1	
24232	Leesville - Yager	296	413	375	464	138	138	3.95	100/100	Steel - 1 pole	1	1	
25197	Lemaster - Ross	195	220	216	239	138	138	42.83	100/100	Steel - H-frame	1	1	
24385	Logtown - North Delphos	167	167	210	210	138	138	25.79	100/100	Steel - 1 pole	1	1	
27817	Macksburg - South Caldwell	296	413	375	464	138	138	16	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 - Tiffin Center	299	423	379	474	138	138	7.14	100/100	Steel - 1 pole	1	1	
24361	Muskingum River - South Caldwell #2	205	284	258	320	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	
28878	Newbery - Yellow Creek	296	413	375	464	138	138	0.56	100/100	Steel - 1 pole	1	1	
22397	North Bellville - Ohio Central	145	180	183	187	138	138	0.71	100/100	Wood - 1 pole	1	1	MILLWOOD
24279	North Delphos - Sterling	167	167	210	210	138	138	0.07	100/100	Wood - 1 pole with push brace	1	1	EAST SIDE
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	409	323	409	138	138	1.13	100/100	Cable - Duct & Mar	1	1	
17138	Roberts - West Campus	324	434	324	466	138	138	5.54	100/100	Wood	1	1	
670	Scioto Trail - Scippo	150	191	197	227	138	138	1.42	100/100	Wood - 1 pole	1	1	
25939	Scioto Trail (CSP) - Tuscany	223	310	281	349	138	138	0.64	100/100	Steel - 1 pole	1	1	
24359	South Caldwell - Steamtown	205	284	258	320	138	138	0.87	100/100	Wood - 1 pole	1	1	
748	South Kenton - West Mount Vernon	143	143	143	143	138	138	26.9	100/100	Steel - H-frame	1	1	FULTON, NORTH WALDO
19398	Steamtown - Summerfield	205	284	258	320	138	138	2.42	100/100	Steel - 1 pole	1	1	
25279	Stemple - Tidd	1409	1409	1781	1781	345	345	34.2	150/150	Steel - Lattice	1	1	
18299	Ware Road - Waverly	150	150	189	189	138	138	4.6	100/100	Steel - H-frame	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 Transmission Company
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
AZALEA SWITCH	T	138	Azalea - Yager	E
AZALEA SWITCH	T	138	Azalea - Leesville	E
BABBITT	T	138	Babbit - Jug	E
BABBITT	T	138	Babbit - Kirk	E
BERRYWOOD	T	138	Berrywood - Berkshire	E
BERRYWOOD	T	138	Berrywood - Delaware	E
BIERS RUN	T	345	Biers Run - Bixby	E
BIERS RUN	T	138	Biers Run - Circleville	E
BIERS RUN	T	138	Biers Run - Delano	E
BIERS RUN	T	345	Biers Run - Don Marquis	E
BLACKHAWK	T	138	Blackhawk - Dilonvale - Sparrow Switch	E
BLACKHAWK	T	138	Blackhawk - Miller Sw.	E
BLUE RACER	T	138	Blue Racer - Herlan	E
BLUE RACER	T	138	Blue Racer - SCP Co-op	E
BLUE RACER	T	138	Blue Racer - Summerfield	E
BLUE RACER	T	138	Blue Racer - Texas Eastern	E
BRITTON	T	138	Britton-Dublin	E
BRITTON	T	138	Britton-Davidson #1	E
BRITTON	T	138	Britton-Davidson #2	E
CLOUSE	T	138	Clouse - West Lancaster	E
CLOUSE	T	138	Clouse - Zanesville	E
COLE 345 kV	T	345	Amlin - Cole	E
EBERSOLE	T	138	Ebersole - Findlay Center	E
EBERSOLE	T	138	Ebersole - Fostoria Central #1	E

PUCO Form 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 (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
EBERSOLE	T	138	Ebersole - Fostoria Central #2	E
EBERSOLE	T	138	Ebersole - New Liberty	E
EBERSOLE	T	138	Ebersole - North Findlay	E
EMERALD SWITCH	T	138	*Kenton (LGE-KU) - Wildcat	E
FIREBRICK	T	138	Firebrick - Gavin	E
FIREBRICK	T	138	Firebrick - Millbrook	E
FREEBYRD	T	138	Freebyrd - Nottingham	E
FREEBYRD	T	138	Freebyrd - South Cadiz	E
GABLE SWITCH	T	138	Carrollton - Gable SW	E
GABLE SWITCH	T	138	Gable SW - South Cadiz	E
GABLE SWITCH	T	138	Gable SW - Tidd	E
GOOD HOPE SW	T	138	Harrison (Csp) - Lemaster	E
GUNN ROAD	T	345	Gunn Road - Hardin Switch	E
GUNN ROAD	T	345	Gunn Road - Marysville	E
HERLAN SWITCH	T	138	Blue Racer - Herlan	E
HERLAN SWITCH	T	138	Herlan - Natrium #1	E
HERLAN SWITCH	T	138	Herlan - Natrium #2	E
HERLAN SWITCH	T	138	Herlan - South Caldwell	E
HERLAN SWITCH	T	138	Herlan - Summerfield	E
HOLLOWAY	T	345	Beverly - Holloway	E
HOLLOWAY	T	345	Holloway - Tidd	E
IRONWOOD SWITCH	T	138	Bellefonte - East Wheelersburg	E
JUNE ROAD	T	138	June Road - Wagenhals	E
JUNE ROAD	T	138	Tidd - June Road	E

PUCO Form 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 (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
LAMPING - TR	T	138	Kammer - Lamping	E
LAMPING - TR	T	345	Lamping - Muskingum	E
LEMASTER	T	138	Crooksville - Lemaster - Strouds Run	E
LEMASTER	T	138	Dexter Sw. - Elliott - Lemaster	E
LEMASTER	T	138	Elk - Lemaster	E
LEMASTER	T	138	Harrison - Lemaster	E
LEMASTER	T	138	Hocking - Lemaster	E
LEMASTER	T	138	Lemaster - Ross	E
LOGTOWN	T	138	Allen - Logtown	E
LOGTOWN	T	138	Logtown - North Delphos	E
MADDOX CREEK	T	345	Blue Creek - Maddox Creek	E
MADDOX CREEK	T	345	East Lima - Maddox Creek	E
MADDOX CREEK	T	345	Maddox Creek - RP Mone	E
MELMORE	T	138	Fostoria Central - Melmore	E
MELMORE	T	138	Greenlawn - Melmore	E
MELMORE	T	138	Howard - Melmore #1	E
MELMORE	T	138	Melmore - Tiffin Center	E
MELMORE	T	138	Melmore - West End Fostoria	E
MELMORE	T	138	Howard - Melmore #2	E
MINERAL SW	T	138	Elk - Lemaster	E
NEVILLE SWITCH	T	138	Scioto Trail (CSP) - Tuscany	E
NEW MARKET SWITCH	T	138	Highland (CSP) - Seaman	E
NEWBERY	T	138	Newbery - Yellow Creek	E
NOTTINGHAM SWITCH	T	138	Freebyrd - Nottingham	E

PUCO Form 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 (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
PARLETT SW	T	138	Blackhawk - Dillonvale - Sparrow Switch	E
RHODES	T & D	138/69	Lick-Corwin	E
ROBERT P. MONE	T	345	Allen - RP Mone	E
ROBERT P. MONE	T	345	Maddox Creek - RP Mone	E
ROSEWOOD SWITCH - TR	T	138	Deter - Elliot - Lemaster	E
SOUTH OLIVE SWITCH	T	138	Macksburg - South Caldwell	E
STEAMTOWN	T	138	*Steamtown - Steamtown (Markwest) #1	E
STEAMTOWN	T	138	*Steamtown - Steamtown (Markwest) #2	E
STEAMTOWN	T	138	*Steamtown - Steamtown (Markwest) #3	E
STEAMTOWN	T	138	*Steamtown - Steamtown (Markwest) #4	E
STEAMTOWN	T	138	South Caldwell - Steamtown	E
STEAMTOWN	T	138	Steamtown - Summerfield	E
STEMPLE SWITCH	T	345	Canton Central - Stemple Switch	E
STEMPLE SWITCH	T	345	Tidd - Stemple	E
SUMAC 138KV	D	138	Amlin - Sumac #2	E
SUMAC 138KV	D	138	Amlin - Sumac #1	E
SUNDAY SWITCH	T	138	Crooksville - Lemaster - Strouds Run	E
TIMBER ROAD SS	T	138	Allen - Timber Switch 138kV	E
TIMBER ROAD SS	T	138	Haviland - Timber Switch 138kV	E
TIMBER ROAD SS	T	138	Timber Road #2 - Timber Switch 138kV	E
TUSCANY	T	138	Delano - Tuscany	E
TUSCANY	T	138	Scioto Trail (CSP) - Tuscany	E
VASSELL	T	345	Corridor - Vassell #1	E
VASSELL	T	345	Corridor - Vassell #2	E

PUCO Form 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 (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
VASSELL	T	138	Delaware - Vassell	E
VASSELL	T	345	Hyatt - Vassell	E
VASSELL	T	765	Kammer - Vassell	E
VASSELL	T	765	Maliszewski - Vassell	E
WARE ROAD	T	138	Adams - Ware Road	E
WARE ROAD	T	138	Ware Road - Waverly	E
YAGER	T	138	Azalea - Yager	E
YAGER	T	138	Leesville - Yager	E
YELLOW CREEK	T	138	East Leipsic - Yellow Creek	E
YELLOW CREEK	T	138	East Lima - Yellow Creek	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 TRANSMISSION COMPANY
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	**LINE NAME AND NUMBER:**	Beatty - Galloway 69kV (b3210)
2.	**POINTS OF ORIGIN AND TERMINATION**	Beatty, Galloway; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	0.7 miles / N/A / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2022
7.	**CAPITAL INVESTMENT:**	$5.3M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Underground Cable
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Alleviate thermal and voltage violations. Replace cable at end of life.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Line will continue to deteriorate and reliability will begin to suffer
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Cole - Galloway 69kV (s2063)
2.	**POINTS OF ORIGIN AND TERMINATION**	Cole, Galloway; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	1.11 miles / 60 ft / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2022
7.	**CAPITAL INVESTMENT:**	$71M, Total
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**	Replace deteriorated structures on the line
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Violations will remain.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Parlett Switch - Sparrow Switch 69kV (s2007)
2.	**POINTS OF ORIGIN AND TERMINATION**	Parlett Switch, Sparrow Switch; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	7.7 miles / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2022
7.	**CAPITAL INVESTMENT:**	$25M, Total
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	N/A
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Serve existing and new load in the area, including nearby shale gas related load.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	South Cadiz - Sparrow Switch 69kV (s2007)
2.	**POINTS OF ORIGIN AND TERMINATION**	South Cadiz, Sparrow Switch; INTERMEDIATE STATION - East Cadiz Switch, Cadiz
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	2.0 miles / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2022
7.	**CAPITAL INVESTMENT:**	$25M, Total
8.	**PLANNED SUBSTATION:**	NAME - East Cadiz Switch; TRANSMISSION VOLTAGE - 138kV / 69kV; ACREAGE - 0.25; LOCATION - Cadiz, Ohio
9.	**SUPPORTING STRUCTURES:**	Steel
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Serve existing and new load in the area, including nearby shale gas related load.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Beartown - Moreland Sw. (s2140)
2.	**POINTS OF ORIGIN AND TERMINATION**	Beartown, Moreland Switch; INTERMEDIATE STATION - W. Wilmont Junction Switch, Billiar, North Fredericksburg, Moreland
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	10.6 miles / unknown width / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$24.4M, Total
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Replace deteriorated facilities.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer
13.	**MISCELLANEOUS:**	Only part of the circuit is getting rebuilt as part of TP2019009.

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

1.	**LINE NAME AND NUMBER:**	Findlay - Findlay Center (s2155)
2.	**POINTS OF ORIGIN AND TERMINATION**	Findlay, Findlay Center; INTERMEDIATE STATION - East Lincoln Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	3.5 miles / unknown width / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$5.7M, Total
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Replace deteriorated facilities. Alleviate thermal and voltage violations.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer. Violations will remain.
13.	**MISCELLANEOUS:**	Part of TP2018116

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

1.	**LINE NAME AND NUMBER:**	Glencoe - Robyville (S2147)
2.	**POINTS OF ORIGIN AND TERMINATION**	Glencoe, Robyville; INTERMEDIATE STATION - St. Clarisville, Hess, Provident Rd Switch, Highland Terrace, Shepherdstown, Harrisville Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	12.5 miles / unknown width / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$20M, Total
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Replace deteriorated facilities.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer
13.	**MISCELLANEOUS:**	Most of the circuit (but not all) is getting rebuilt as part of TP2019023 and TP2019024. Other project/s are expected to address the remaining portions of the circuit.

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

1.	**LINE NAME AND NUMBER:**	Glencoe - Somerton 69kV (s2003)
2.	**POINTS OF ORIGIN AND TERMINATION**	Glencoe / Somerton; INTERMEDIATE STATION - Pipe Creek, Norton, Alledonia, Beallsville, Captina, Danford, Mt. Orb
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	22 mi / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A (69kV)
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$40M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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**	Rebuild aging infrastructure; improve system reliability
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Continued poor reliability and outages to customers
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Sunnyside - Torrey 138kV (pending)
2.	**POINTS OF ORIGIN AND TERMINATION**	Sunnyside / Torrey; INTERMEDIATE STATION - Warner Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	4.3 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	LON date TBD
6.	**CONSTRUCTION:**	2022-2028
7.	**CAPITAL INVESTMENT:**	$10M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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**	Rebuild aging infrastructure; improve system reliability
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Potential for increased transmission line outages
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Glencoe - Robyville 69kV (S2147)
2.	**POINTS OF ORIGIN AND TERMINATION**	Glencoe / Robyville; INTERMEDIATE STATION - St. Clairsville, Provident, Highland Terrace, Shephardstown, Pleasant Grove, St. Clairsville Municipal
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	17 mi / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A (69kV)
6.	**CONSTRUCTION:**	2021-2024
7.	**CAPITAL INVESTMENT:**	$45M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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**	Rebuild aging infrastructure; improve system reliability
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Continued poor reliability and outages to customers
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Blackhawk - Parlett 69kV (s2004)
2.	**POINTS OF ORIGIN AND TERMINATION**	Blackhawk / Parlett; INTERMEDIATE STATION - Hopedale
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	2.5 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	Application in 2019 or 2020
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$4.5M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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**	Rebuild aging infrastructure; improve system reliability
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Continued poor reliability and outages to customers
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Parlett - Dillonvale 69kV (s2004)
2.	**POINTS OF ORIGIN AND TERMINATION**	Parlett / Dillonvale; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	9.3 mi / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A (69kV)
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$18M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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**	Rebuild aging infrastructure; improve system reliability
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Continued poor reliability and outages to customers
13.	**MISCELLANEOUS:**	N/A

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
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**	24.1 mi / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A (69kV)
6.	**CONSTRUCTION:**	2021-2022
7.	**CAPITAL INVESTMENT:**	$64.4M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	Duke
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing 69kV line
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of equipment failure.
13.	**MISCELLANEOUS:**	COMMENT - Most likely will be all Transco

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

1.	**LINE NAME AND NUMBER:**	New Lexington - East Logan 69kV circuit (s1866)
2.	**POINTS OF ORIGIN AND TERMINATION**	New Lexington and East Logan; INTERMEDIATE STATION - Shawnee
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	22.35 miles / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	April-20
7.	**CAPITAL INVESTMENT:**	$14.1M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	N/A
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	The New Lexington - East Logan 69kV circuit exists. Only the New Lexington - Shawnee section (8.55 miles) will be rebuilt.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	N/A
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Amlin - Dublin 138kV (b3112)
2.	**POINTS OF ORIGIN AND TERMINATION**	Amlin, Dublin; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	3.7 miles / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Certificate 2019-2020
6.	**CONSTRUCTION:**	2019-2022
7.	**CAPITAL INVESTMENT:**	$37M
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**	Mitigate anticipated thermal violations due to increase customer load.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Thermal violations would arise and go unmitigated.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Beatty - Madison 69kV (S1493)
2.	**POINTS OF ORIGIN AND TERMINATION**	Beatty, Madison; INTERMEDIATE STATION - Ballah Switch, 1 customer DP
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	7-10 miles / 60 ft / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2022
7.	**CAPITAL INVESTMENT:**	$14M
8.	**PLANNED SUBSTATION:**	NAME - Ballah Switch; TRANSMISSION VOLTAGE - 69kV; ACREAGE - 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 TRANSMISSION COMPANY
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	**LINE NAME AND NUMBER:**	Bethel - Brookside 138kV (b3109)
2.	**POINTS OF ORIGIN AND TERMINATION**	Bethel, Brookside; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	2.6 miles / 100 ft / 2 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Certificate 2019-2020
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$18M
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**	Mitigate anticipated thermal violations due to increase customer load.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Thermal violations would arise and go unmitigated.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Brookside - Sawmill 138kV (b3109)
2.	**POINTS OF ORIGIN AND TERMINATION**	Brookside, Sawmill; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	2.6 miles / 100 ft / 2 circuit, mostly 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Certificate 2019-2020
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$9M
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**	Mitigate anticipated thermal violations due to increase customer load.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Thermal violations would arise and go unmitigated.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Delaware - Hyatt 138kV (b3105)
2.	**POINTS OF ORIGIN AND TERMINATION**	Delaware, Hyatt; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	4.3 miles / 100ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Certificate 2019-2020
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$10M
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**	Mitigate anticipated thermal violations due to generation retirement.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Thermal violations would arise and go unmitigated.
13.	**MISCELLANEOUS:**	N/A

PUCO FORM FE-T9
AEP OHIO TRANSMISSION COMPANY
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:**	$37M
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 TRANSMISSION COMPANY
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	**LINE NAME AND NUMBER:**	Marysville - Peoria (DP&L) 345kV (B1570)
2.	**POINTS OF ORIGIN AND TERMINATION**	Marysville, Peoria; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	0.1 miles / 150 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	345kV / 345kV
5.	**APPLICATION FOR CERTIFICATE:**	Possibly LON in 2019-2020
6.	**CONSTRUCTION:**	2020-2021
7.	**CAPITAL INVESTMENT:**	$5M,Total
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Serve DP&L's requested 345kV / 69kV delivery point
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	DP&L's delivery point won't go in service and baseline violations won't be addressed.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Buckley Road - Fremont Center - East End Fostoria (S1614)
2.	**POINTS OF ORIGIN AND TERMINATION**	Buckley Road, Fremont Center, East End Fostoria; INTERMEDIATE STATION - West Allendale Switch, South Allendale Switch, Weaver Switch, Amsden Switch, East End Fostoria
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	15.2 miles / unknown width / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	Full Application
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$20.1M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Replace deteriorated facilities.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Existing line will continue to deteriorate and reliability will begin to suffer
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Chatfield - West Shelby (B2791 / S1298)
2.	**POINTS OF ORIGIN AND TERMINATION**	Chatfield, West Shelby; INTERMEDIATE STATION - New Washington Switch, Hinesville Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	16 miles / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2020
7.	**CAPITAL INVESTMENT:**	$20M
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**	Replace deteriorated facilities.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Harpster - La Rue (b2794)
2.	**POINTS OF ORIGIN AND TERMINATION**	Harpster, La Rue; INTERMEDIATE STATION - Brownstown Tap Switch, Meeker, DeCliff
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	3.3 miles / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	12M
8.	**PLANNED SUBSTATION:**	NAME - La Rue; TRANSMISSION VOLTAGE - 138kV; ACREAGE - TBD; LOCATION - TBD
9.	**SUPPORTING STRUCTURES:**	Steel
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Alleviate thermal and voltage violations.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Violations will remain
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	New Liberty - North Baltimore (b3086)
2.	**POINTS OF ORIGIN AND TERMINATION**	New Liberty, North Baltimore; INTERMEDIATE STATION - Liberty Hi Switch (to be renamed Touchtone Switch), Cherry St. Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	0.5 miles / unknown width / 2 circuit, 5.5 miles / unknown width / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$10.5M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Replace deteriorated facilities. Alleviate thermal and voltage violations.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Existing line will continue to deteriorate and reliability will begin to suffer. Violations will remain.
13.	**MISCELLANEOUS:**	Only part of the circuit is getting rebuilt as part of the large TP2011075 project.

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

1.	**LINE NAME AND NUMBER:**	New Liberty - North Findlay (b3086)
2.	**POINTS OF ORIGIN AND TERMINATION**	New Liberty, North Findlay; INTERMEDIATE STATION - West Melrose
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	1.5 miles / unknown width / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$4.8M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Replace deteriorated facilities. Alleviate thermal and voltage violations.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Existing line will continue to deteriorate and reliability will begin to suffer. Violations will remain.
13.	**MISCELLANEOUS:**	Only part of the circuit is getting rebuilt as part of the large TP2011075 project.

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

1.	**LINE NAME AND NUMBER:**	New Liberty - Oilers Switch (b3086)
2.	**POINTS OF ORIGIN AND TERMINATION**	New Liberty, Oilers Switch; INTERMEDIATE STATION - Harvard Ave Switch, Totten Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	2.9 miles / unknown width / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$6.8M
8.	**PLANNED SUBSTATION:**	NAME - Oilers Switch; TRANSMISSION VOLTAGE - 69kV (designed) / 34.5kV (operated); ACREAGE - TBD; LOCATION - TBD
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Replace deteriorated facilities.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer.
13.	**MISCELLANEOUS:**	New Oilers Switch station is changing the circuit as part of TP2011075.

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

1.	**LINE NAME AND NUMBER:**	North Findlay - North Baltimore #1 (b3086)
2.	**POINTS OF ORIGIN AND TERMINATION**	North Findlay, North Baltimore; INTERMEDIATE STATION - Van Buren Switch, Van Buren, North Van Buren Switch, Galatea Switch, Poe Avenue
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	1.5 miles / unknown width / 2 circuit, 6.5 miles / unknown width / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$14.8
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Replace deteriorated facilities.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer.
13.	**MISCELLANEOUS:**	Only part of the circuit is getting rebuilt as part of the large TP2011075 project.

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

1.	**LINE NAME AND NUMBER:**	North Findlay - Plaza Street (b2891)
2.	**POINTS OF ORIGIN AND TERMINATION**	North Findlay, Plaza Street; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	1.55 miles / unknown width / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$2.0M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Replace deteriorated facilities. Alleviate thermal and voltage violations.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer. Violations will remain.
13.	**MISCELLANEOUS:**	Only part of the circuit is getting rebuilt as part of TP2018116.

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

1.	**LINE NAME AND NUMBER:**	Plaza Street - Findlay Center (b2891)
2.	**POINTS OF ORIGIN AND TERMINATION**	Plaza Street, Findlay Center; INTERMEDIATE STATION - East Findlay
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	1.77 miles / unknown width / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2021
7.	**CAPITAL INVESTMENT:**	$3M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	TBD
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Replace deteriorated facilities. Alleviate thermal and voltage violations.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer. Violations will remain.
13.	**MISCELLANEOUS:**	Only part of the circuit is getting rebuilt as part of TP2018116.

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

1.	**LINE NAME AND NUMBER:**	West Shelby - Howard (B2791 / S1298)
2.	**POINTS OF ORIGIN AND TERMINATION**	West Shelby, Howard; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	1.84 miles / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2019-2020
7.	**CAPITAL INVESTMENT:**	$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**	Replace deteriorated facilities.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Old line will continue to deteriorate and reliability will begin to suffer.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Compton - Oak Hill Switch 69kV (S1511)
2.	**POINTS OF ORIGIN AND TERMINATION**	Compton Switch / Oak Hill Switch; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	0.8 mi / 60 ft / 2 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A (69kV)
6.	**CONSTRUCTION:**	2020-2021
7.	**CAPITAL INVESTMENT:**	$2.0M
8.	**PLANNED SUBSTATION:**	NAME - Compton Switch; TRANSMISSION VOLTAGE - 69kV; ACREAGE - 2; LOCATION - Wooster
9.	**SUPPORTING STRUCTURES:**	Double-circuit steel poles
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild overloaded 69kV line
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Real-time overload conditions, reliability risks
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Compton - Schafrath 69kV (S1511)
2.	**POINTS OF ORIGIN AND TERMINATION**	Compton Switch / Schafrath Switch; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	2.1 mi / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A (69kV)
6.	**CONSTRUCTION:**	2020
7.	**CAPITAL INVESTMENT:**	$3.0M
8.	**PLANNED SUBSTATION:**	NAME - Compton Switch; TRANSMISSION VOLTAGE - 69kV; ACREAGE - 2; LOCATION - Wooster
9.	**SUPPORTING STRUCTURES:**	Single-circuit steel poles
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild overloaded 69kV line
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Real-time overload conditions, reliability risks
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Dennison-Yager 69kV (138kV design) (B2501)
2.	**POINTS OF ORIGIN AND TERMINATION**	Dennison / Yager; INTERMEDIATE STATION - Irish Run Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	7.3 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	Application approved in 2017
6.	**CONSTRUCTION:**	Estimated completion in 2020
7.	**CAPITAL INVESTMENT:**	$20.0M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	6-wire 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 DEFERMENT OR TERMINATION**	Reduced area reliability; load curtailment at industrial customer sites
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Dilles Bottom-Holloway 138kV (B2753)
2.	**POINTS OF ORIGIN AND TERMINATION**	Dilles Bottom & Holloway; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	1.5 mi / 100 ft / 2 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	LON approved in 2018
6.	**CONSTRUCTION:**	Estimated completion in 2020
7.	**CAPITAL INVESTMENT:**	$3.5M
8.	**PLANNED SUBSTATION:**	NAME - Dilles Bottom (expansion); TRANSMISSION VOLTAGE - 138kV; ACREAGE - 3; LOCATION - Shadyside
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 DEFERMENT OR TERMINATION**	PJM reliability issues
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Gable-Carrollton 138kV (Pending)
2.	**POINTS OF ORIGIN AND TERMINATION**	Gable / Carrollton; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	29 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV
5.	**APPLICATION FOR CERTIFICATE:**	LON anticipated in 2019
6.	**CONSTRUCTION:**	Estimated completion in 2021-2022
7.	**CAPITAL INVESTMENT:**	$42.1M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	6-wire 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:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Glencoe-Speidel 138kV (S1158)
2.	**POINTS OF ORIGIN AND TERMINATION**	Glencoe / Speidel; INTERMEDIATE STATION - South Belmont Switch; Lamira Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	13.5 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	Application approved in 2018
6.	**CONSTRUCTION:**	Estimated completion in 2021-2022
7.	**CAPITAL INVESTMENT:**	Approximately $25M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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 DEFERMENT OR TERMINATION**	Increased risk of customer service interruptions, due to deteriorating T-Line facilities
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Speidel-Summerfield 138kV (S1158)
2.	**POINTS OF ORIGIN AND TERMINATION**	Speidel / Summerfield; INTERMEDIATE STATION - Batesville; Barnesville
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	19.5 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	Applications approved in 2017 (Barnesville - Summerfield & Speidel - Barnesville cases)
6.	**CONSTRUCTION:**	Estimated completion in 2020-21
7.	**CAPITAL INVESTMENT:**	Approximately $30M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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 DEFERMENT OR TERMINATION**	Increased risk of customer service interruptions, due to deteriorating T-Line facilities
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Summerfield- Blue Racer 138kV (S1062)
2.	**POINTS OF ORIGIN AND TERMINATION**	Summerfield & Blue Racer; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	3.5 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	LON filed Jan 2018
6.	**CONSTRUCTION:**	Estimated completion in 2019
7.	**CAPITAL INVESTMENT:**	$3.2M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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 DEFERMENT OR TERMINATION**	Reduced reliability due to limited thermal ratings and T-Line deterioration
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	West Bellaire-Glencoe 138kV (B2593)
2.	**POINTS OF ORIGIN AND TERMINATION**	West Bellaire / Glencoe; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	5.8 mi / 100 ft / 2 circuit (1 @ 69kV; 1 @ 138kV)
4.	**VOLTAGE: DESIGN / OPERATE**	138kV Design; 1 operate @ 138kV; 1 operate @ 69kV
5.	**APPLICATION FOR CERTIFICATE:**	Application approved in 2018
6.	**CONSTRUCTION:**	Estimated completion in mid-2020
7.	**CAPITAL INVESTMENT:**	Approximately $13M
8.	**PLANNED SUBSTATION:**	NAME - Glencoe (expansion); TRANSMISSION VOLTAGE - 138kV / 69kV; 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 DEFERMENT OR TERMINATION**	Risk of system overloads, which could affect customer reliability in the area
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Yager-Desert Road 69kV (138kV design) (B2501)
2.	**POINTS OF ORIGIN AND TERMINATION**	Yager / Desert Road; INTERMEDIATE STATION - West Bowerston Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	6.8 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	Application approved in 2017
6.	**CONSTRUCTION:**	Estimated completion in 2020
7.	**CAPITAL INVESTMENT:**	$14M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	6-wire 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 DEFERMENT OR TERMINATION**	Reduced area reliability; load curtailment at industrial customer sites
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Adams-Seaman 138kV, 18298 (s1621)
2.	**POINTS OF ORIGIN AND TERMINATION**	Adams, Seaman; INTERMEDIATE STATION - None
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	8.5 mi / 100 ft / 2 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV & 138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	Letter of Notification to be filed 2019
6.	**CONSTRUCTION:**	2021
7.	**CAPITAL INVESTMENT:**	$15M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Steel Monopole
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing lines
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of failure
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Biers Run-Hopetown (b1032)
2.	**POINTS OF ORIGIN AND TERMINATION**	Biers Run, Hopetown; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	~1.6 mile new construction / 100 ft / 2 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Prior to 2016
6.	**CONSTRUCTION:**	2021
7.	**CAPITAL INVESTMENT:**	Approximately $2-3M
8.	**PLANNED SUBSTATION:**	NAME - Hopetown; TRANSMISSION VOLTAGE - 138kV / 12kV; ACREAGE - 6; LOCATION - Chillicothe, Ohio
9.	**SUPPORTING STRUCTURES:**	Combination of steel H-frame & monopole
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	The new line will serve the new Hopetown station. Hopetown is needed to retire the Camp Sherman substation and the 69kV Ross - Camp Sherman - Circleville line that serves it.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Buell - Macksburg (s1125)
2.	**POINTS OF ORIGIN AND TERMINATION**	Buell, Macksburg; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	7.7 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Full Application, March, 2017
6.	**CONSTRUCTION:**	2019-2020
7.	**CAPITAL INVESTMENT:**	~$15M
8.	**PLANNED SUBSTATION:**	NAME - Buell; TRANSMISSION VOLTAGE - 138kV / 12kV; ACREAGE - 6; LOCATION - Marietta, Ohio
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	The new 138kV line from South Caldwell to Devola will serve three distribution stations.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Foregoing this project would perpetuate the Marietta's 23kV reliability problems.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Devola-Buell (s1125)
2.	**POINTS OF ORIGIN AND TERMINATION**	Devola, Buell; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	8.7 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Full Application, March, 2017
6.	**CONSTRUCTION:**	2020
7.	**CAPITAL INVESTMENT:**	~$20M
8.	**PLANNED SUBSTATION:**	NAME - Buell; TRANSMISSION VOLTAGE - 138kV / 12kV; ACREAGE - 6; LOCATION - Marietta, Ohio
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	The new 138kV line from South Caldwell to Devola will serve three distribution stations.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Foregoing this project would perpetuate the Marietta's 23kV reliability problems.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Friendship - Central Portsmouth (s1692)
2.	**POINTS OF ORIGIN AND TERMINATION**	Friendship, Central Portsmouth; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	8.5 mi / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A (69kV)
6.	**CONSTRUCTION:**	2020
7.	**CAPITAL INVESTMENT:**	~$18M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	New 69kV line, provides a loop so Friendship will have a back up, also allows for the retirement of the old Central Portsmouth - Sugar Hill line crossing the Scioto.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Continued poor reliability, risk of equipment failure
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Heppner - Ironman, 138kV, 21879 (s1342)
2.	**POINTS OF ORIGIN AND TERMINATION**	Heppner, Ironman; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	2.8 miles / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	LON filed May, 2018
6.	**CONSTRUCTION:**	2020
7.	**CAPITAL INVESTMENT:**	~$5M
8.	**PLANNED SUBSTATION:**	NAME - Heppner; TRANSMISSION VOLTAGE - 69kV; ACREAGE - 5; LOCATION - Jackson, Ohio
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing 69kV line, asset renewal of aging infrastructure
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of equipment failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Heppner - Vigo (s1432)
2.	**POINTS OF ORIGIN AND TERMINATION**	Heppner, Vigo; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	~18.6 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	Full Application March 2018
6.	**CONSTRUCTION:**	2019
7.	**CAPITAL INVESTMENT:**	$29M
8.	**PLANNED SUBSTATION:**	NAME - Heppner; TRANSMISSION VOLTAGE - 69kV; ACREAGE - 5; LOCATION - Jackson, Ohio
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing 69kV line, asset renewal of aging infrastructure
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of equipment failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Hillsboro - Hutchings (DP&L) (s1599)
2.	**POINTS OF ORIGIN AND TERMINATION**	Hillsboro, Hutchings; INTERMEDIATE STATION - Middleboro (DP&L)
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	19 mi (1 circuit) / 17 mi (2 circuit) / 100 ft
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	LON, September 2019
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	~$68.4M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	DP&L
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing 138kV line, asset renewal of aging infrastructure
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of equipment failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Hillsboro - Warren (Duke) (s1599)
2.	**POINTS OF ORIGIN AND TERMINATION**	Hillsboro, Warren; INTERMEDIATE STATION - Clinton (Duke)
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	17 mi / 100 ft / 2 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	LON, September 2019
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$45.6M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	Duke
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing 138kV line, asset renewal of aging infrastructure
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of equipment failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Hopetown - Delano (b1032)
2.	**POINTS OF ORIGIN AND TERMINATION**	Hopetown, Delano; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	~1.6 mi new construction / 100 ft / 2 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Prior to 2016
6.	**CONSTRUCTION:**	2021
7.	**CAPITAL INVESTMENT:**	Approximately $2-3M
8.	**PLANNED SUBSTATION:**	NAME - Hopetown; TRANSMISSION VOLTAGE - 138kV / 12kV; ACREAGE - 6; LOCATION - Chillicothe, Ohio
9.	**SUPPORTING STRUCTURES:**	Combination of steel H-frame & monopole
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	The line will serve the new Hopetown station. Hopetown is needed to retire the Camp Sherman substation and the 69kV line that serves it.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Kenton (LGE)-Sardinia (s1609)
2.	**POINTS OF ORIGIN AND TERMINATION**	Sardinia, Kenton; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	~3.2 mi new construction / 100 ft / 2 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Full Application, date tad
6.	**CONSTRUCTION:**	2019-2020
7.	**CAPITAL INVESTMENT:**	~$4.5M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	steel monopole
10.	**PARTICIPATION WITH OTHER UTILITIES**	LGE
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Sardinia is being moved to this nearby 138kV line to retire the long 1939 69kV radial that serves it.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Lamping-Devola (s1160)
2.	**POINTS OF ORIGIN AND TERMINATION**	Lamping, Devola; INTERMEDIATE STATION - Bell Ridge, Rouse
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	~26 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Full Application December, 2017
6.	**CONSTRUCTION:**	2020
7.	**CAPITAL INVESTMENT:**	$65M
8.	**PLANNED SUBSTATION:**	NAME - Rouse, Bell Ridge; TRANSMISSION VOLTAGE - 138 kV; ACREAGE - 6, 6; LOCATION - Marietta, Ohio
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	Buckeye Coop/WEC
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	This new 138kV line will serve the Washington Electric Rouse and Bell Ridge stations.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Foregoing this project would perpetuate the Marietta's 23kV reliability problems.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Lick - Ironman (s1342)
2.	**POINTS OF ORIGIN AND TERMINATION**	Ironman, Lick; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	2 circuit (1 mile), 1 circuit (0.9 mile) 100 ft
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	LON March 2018
6.	**CONSTRUCTION:**	2020+A604:C616
7.	**CAPITAL INVESTMENT:**	$6M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing 69kV line, asset renewal of aging infrastructure
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	North Portsmouth - Friendship (s1692)
2.	**POINTS OF ORIGIN AND TERMINATION**	North Portsmouth, Friendship; INTERMEDIATE STATION - Rosemount, Sugar Hill
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	13.9 mi / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A (69kV)
6.	**CONSTRUCTION:**	2021
7.	**CAPITAL INVESTMENT:**	$26M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing 69kV line, asset renewal of aging infrastructure
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of equipment failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Vigo - Ross (s1432)
2.	**POINTS OF ORIGIN AND TERMINATION**	Vigo, Ross; INTERMEDIATE STATION - Ginger
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	~8.4 mi / 100 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	Full Application March 2018
6.	**CONSTRUCTION:**	2020
7.	**CAPITAL INVESTMENT:**	$8M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Steel H-frame
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing 69kV line, asset renewal of aging infrastructure
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of equipment failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Wildcat - Sardinia (s1609)
2.	**POINTS OF ORIGIN AND TERMINATION**	Wildcat, Sardinia; INTERMEDIATE STATION - Emerald (Emerald PUD)
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	~3.2 mi new construction / 100 ft / 2 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	Full Application, date TBD
6.	**CONSTRUCTION:**	2019
7.	**CAPITAL INVESTMENT:**	$4.5M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Steel monopole
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Sardinia is being moved to this nearby 138kV line to retire the long 1939 69kV radial that serves it.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of failure.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	East Lima - Maddox Creek 345kV, (b2833)
2.	**POINTS OF ORIGIN AND TERMINATION**	East Lima - Maddox Creek; INTERMEDIATE STATION - NA
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	30.34 mi / 150 ft / single circuit
4.	**VOLTAGE: DESIGN / OPERATE**	345 kV / 345 kV
5.	**APPLICATION FOR CERTIFICATE:**	LON, 2018
6.	**CONSTRUCTION:**	To be completed approximately 6/1/2021
7.	**CAPITAL INVESTMENT:**	Approximately $34.7M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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 DEFERMENT OR TERMINATION**	Generation deliverability limitation
13.	**MISCELLANEOUS:**	Line reconductor on existing structures

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

1.	**LINE NAME AND NUMBER:**	Gemini - West Moulton 138kV (s1856)
2.	**POINTS OF ORIGIN AND TERMINATION**	Gemini - West Moulton; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	10 mi / 100 ft / single circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	LON to be filed June 2019
6.	**CONSTRUCTION:**	To be completed approximately 6/1/2021
7.	**CAPITAL INVESTMENT:**	Approximately $14.7M
8.	**PLANNED SUBSTATION:**	NAME - Gemini; TRANSMISSION VOLTAGE - 138kV; ACREAGE - 3; LOCATION - Wapakoneta, OH
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 DEFERMENT OR TERMINATION**	New customer load would not have service in required timeframe
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Gristmill - Gemini 138kV (s1856)
2.	**POINTS OF ORIGIN AND TERMINATION**	Gristmill - Gemini; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	4.7 mi / 100 ft / single circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	LON Filed Jan 2019. Awaiting Approval.
6.	**CONSTRUCTION:**	To be completed approximately 10/1/2020
7.	**CAPITAL INVESTMENT:**	Approximately $10.3M
8.	**PLANNED SUBSTATION:**	NAME - Gristmill; TRANSMISSION VOLTAGE - 345kV / 138kV; ACREAGE - 3; LOCATION - Wapakoneta, OH
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 DEFERMENT OR TERMINATION**	New customer load would not have service in required timeframe
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	East Cambridge - Vail 69kV (B2890)
2.	**POINTS OF ORIGIN AND TERMINATION**	East Cambridge and Vail; INTERMEDIATE STATION - Old Washington and Antrim
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	Approximately 20 miles / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69 kV/ 69 kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	CONSTRUCTION:	April-20
7.	**CAPITAL INVESTMENT:**	$23.2M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	N/A
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	East Cambridge - Vail will be rebuilt and converted to 69kV. Circuit breakers will be installed at Vail.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Planning criteria violation will remain.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	North Coschocton - Newcomerstown 34.5kV (B2592)
2.	**POINTS OF ORIGIN AND TERMINATION**	North Coshocton and Newcomerstown; INTERMEDIATE STATION - East Coshocton Sw 345.5kV; Morgan Run Sw 34.5kV; Southwest Lafayette (F.P. Co-op) 34.5kV; West Lafayette 34.5kV and Isleta 34.5kV
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	23.67 miles / 60 ft / 2 circuit (Approximately 1.11 miles is double circuit)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	April-20
7.	**CAPITAL INVESTMENT:**	$3.9M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	N/A
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild the North Coshocton - East Coshocton section of the North Coshocton - Newcomerstown 34.5kV circuit to prevent it from overloading.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	North Coshocton - East Coshocton section of the North Coshocton - Newcomerstown 34.5kV circuit may overload.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Vail - Smyrna 69kV (B2890)
2.	**POINTS OF ORIGIN AND TERMINATION**	Vail and Smyrna; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	Approximately 3.48 miles / 60 ft / 1 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	69kV/ 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	April-20
7.	**CAPITAL INVESTMENT:**	$5M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	N/A
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	The existing 34.5kV Vail - Smyrna will be rebuilt and re-energized to 69kV.
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Planning criteria violation will remain.
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	Adams-Seaman 69kV, 22117 (s1621)
2.	**POINTS OF ORIGIN AND TERMINATION**	Adams, Seaman; INTERMEDIATE STATION - Lawshe Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	8.5 mi / 100 ft / 2 circuit
4.	**VOLTAGE: DESIGN / OPERATE**	138kV / 138kV & 138kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	LON to be filed in 2019
6.	**CONSTRUCTION:**	2020
7.	**CAPITAL INVESTMENT:**	$9M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Steel Monopole
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing lines
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of failure
13.	**MISCELLANEOUS:**	N/A

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

1.	**LINE NAME AND NUMBER:**	North Newark - Sharp Rd 138 kV (pending)
2.	**POINTS OF ORIGIN AND TERMINATION**	North Newark, Sharp Rd; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	19.4 miles / 100ft / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	138V / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	LON, 2020/21
6.	**CONSTRUCTION:**	2022-2023
7.	**CAPITAL INVESTMENT:**	$42.2M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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 138kV 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-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	**LINE NAME AND NUMBER:**	Hillsboro - Millbrook Park 138 kV / Millbrook Park - South Lucasville 138 kV (pending)
2.	**POINTS OF ORIGIN AND TERMINATION**	Hillsboro, Millbrook Park; INTERMEDIATE STATION - Sinking Springs Sw., Millbrook Park, South Lucasville; INTERMEDIATE STATION - North Portsmouth
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	43.4 miles / 100ft / 1 circuit (of new construction), 8.5 miles / 100ft / 2 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	138V / 138kV
5.	**APPLICATION FOR CERTIFICATE:**	LON, 2020/21
6.	**CONSTRUCTION:**	2022-2023
7.	**CAPITAL INVESTMENT:**	$126.1M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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 138kV 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-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	**LINE NAME AND NUMBER:**	East Beaver - Buckeye 69 kV (s2158)
2.	**POINTS OF ORIGIN AND TERMINATION**	East Beaver, Buckeye; INTERMEDIATE STATION - N/A
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	4.5 miles / 60ft / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2021
7.	**CAPITAL INVESTMENT:**	$19.3M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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, 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-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	**LINE NAME AND NUMBER:**	Howard - Bucyrus #2 69 kV (s2156)
2.	**POINTS OF ORIGIN AND TERMINATION**	Howard, Bucyrus; INTERMEDIATE STATION - West Gailion
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	25 miles / 60ft / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2022-23
7.	**CAPITAL INVESTMENT:**	$52.7M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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, 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-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	**LINE NAME AND NUMBER:**	Findlay - North Baltimore #1 34.5 kV (pending)
2.	**POINTS OF ORIGIN AND TERMINATION**	North Findlay, North Baltimore; INTERMEDIATE STATION - Van Buren Switch, Van Buren, North Van Buren Switch, Galatea Switch, Poe Avenue
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	8 miles / 60ft / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2020-21
7.	**CAPITAL INVESTMENT:**	$25.3M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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, 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-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	**LINE NAME AND NUMBER:**	New Liberty - North Baltimore 34.5 kV (pending)
2.	**POINTS OF ORIGIN AND TERMINATION**	New Liberty, North Baltimore; INTERMEDIATE STATION - Liberty Hi Switch (to be renamed Touchtone Switch), Cherry St. Switch
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	3 miles / 60ft / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$9.3M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	**SUPPORTING STRUCTURES:**	Overhead, Steel, Pole
10.	**PARTICIPATION WITH OTHER UTILITIES**	Not rebuilding whole circuit
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-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	**LINE NAME AND NUMBER:**	New Liberty - Findlay Center 34.5 kV (pending)
2.	**POINTS OF ORIGIN AND TERMINATION**	New Liberty,Oilers; INTERMEDIATE STATION - Ttten Sw., Havard Ave Sw.
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	2.9 miles / 60ft / 2 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$10.4 M
8.	**PLANNED SUBSTATION:**	NAME - Oilers; TRANSMISSION VOLTAGE - 34.5; ACREAGE - TBD; LOCATION - Replaces Morrical Switch
9.	**SUPPORTING STRUCTURES:**	Overhead, Steel, Pole
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
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-T9
AEP OHIO TRANSMISSION COMPANY
SPECIFICATIONS OF PLANNED TRANSMISSION LINES

1.	**LINE NAME AND NUMBER:**	North Woodcock - Oilers 34.5 kV (s2060)
2.	**POINTS OF ORIGIN AND TERMINATION**	North Woodcock,Oilers; INTERMEDIATE STATION - S. Mt Cory Sw., E. Mt Cory Sw., Rawson Sw, West Findlay, Sw, Fliprock Sw
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	1.5 miles / 60ft / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$3.3M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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, to address condition, performance, and risk issues, Allows for creation of new circuit from Boutwell to Airport
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of further deterioration and performance issues
13.	**MISCELLANEOUS:**	Not rebuilding whole circuit

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

1.	**LINE NAME AND NUMBER:**	North Woodcock - Boutwell 34.5 kV (s2060)
2.	**POINTS OF ORIGIN AND TERMINATION**	North Woodcock,Boutwell; INTERMEDIATE STATION - Lancers Sw, Bluffton Sw, Mcintosh SW, Pirates Sw
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	3.75 miles / 60ft / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$8.1M
8.	**PLANNED SUBSTATION:**	NAME - Boutwell; TRANSMISSION VOLTAGE - 138/34.5; ACREAGE - TBD; LOCATION - Southwest of Norht Woodock
9.	**SUPPORTING STRUCTURES:**	Overhead, Steel, Pole
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Ties Boutwell into 34.5 kV system and provides looped service to Airport delivery point
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Boutwell station can not be tied into 34.5 kV system
13.	**MISCELLANEOUS:**	

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

1.	**LINE NAME AND NUMBER:**	North Woodcock - Boutwell 34.5 kV (s2060)
2.	**POINTS OF ORIGIN AND TERMINATION**	North Woodcock,Boutwell; INTERMEDIATE STATION - Lancers Sw, Bluffton Sw, Mcintosh SW, Pirates Sw
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	1.7 miles / 60ft / 1 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 34.5kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$4.8M
8.	**PLANNED SUBSTATION:**	NAME - Boutwell; TRANSMISSION VOLTAGE - 138/34.5; ACREAGE - TBD; LOCATION - Southwest of Norht Woodock
9.	**SUPPORTING STRUCTURES:**	Overhead, Steel, Pole
10.	**PARTICIPATION WITH OTHER UTILITIES**	N/A
11.	**PURPOSE OF THE PLANNED TRANSMISSION LINE**	Rebuild of existing line, to address condition, performance, and risk issues, Allows for creation of new circuit from Boutwell to Airport
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of further deterioration and performance issues
13.	**MISCELLANEOUS:**	

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

1.	**LINE NAME AND NUMBER:**	Dolahard - East Lima 69 kV (s2060)
2.	**POINTS OF ORIGIN AND TERMINATION**	Dolahard, East Lima; INTERMEDIATE STATION - Beaverdam, Lafayette, Ada
3.	**RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS**	1.3 miles / 60ft / 2 circuit (of new construction)
4.	**VOLTAGE: DESIGN / OPERATE**	69kV / 69kV
5.	**APPLICATION FOR CERTIFICATE:**	N/A
6.	**CONSTRUCTION:**	2020-2022
7.	**CAPITAL INVESTMENT:**	$4.8M
8.	**PLANNED SUBSTATION:**	NAME - N/A; TRANSMISSION 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**	Allows for the retirement of 10.1 miles of aging 34.5 line between Beaverdam and Bluelick
12.	**CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION**	Increased risk of further deterioration and performance issues
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
Arboles (pending)	138	T	2021	Arboles - Don Marquis	P	8
Arboles (pending)	138	T	2021	Arboles - South Lucasville	P	8
Arboles (pending)	138	T	2021	Arboles - Waverly	P	8
Babbitt	345	T	2019-2022	Babbitt - Jug Street 345kV	E/P	10-20 expansion
Babbitt	345	T	2019-2022	Babbitt - Kirk 345kV	E/P	10-20 expansion
Chrome	69	T	Jul-20	Chrome - North Coshocton 69kV and Chrome - Ohio Central 69kV	E	1
Compton	69	T	2020-21	Compton - East Wooster 69kV	P	2
Compton	69	T	2020-21	Compton - Schafrath 69kV	P	2
Compton	69	T	2020-21	Compton - West Wooster 69kV	P	2
Diamond Street	69	T	2020-22	Diamond Street - West Louisville 69kV	E	1
Diamond Street	69	T	2020-22	NE Canton - Diamond Street 69kV	E	1
Divelbiss	69	T	Dec-20	Divelbiss - Academia 69 kV	P	1
Divelbiss	69	T	Dec-20	Divelbiss - Mt. Vernon (L.R. Coop)	P	1
Divelbiss	69	T	Dec-20	Divelbiss Fredericktown 69 kV	P	1
Divelbiss	69	T	Dec-20	Divelbiss North Liberty 69 kV	P	1
Gemini	138	T	2020-2021	Gemini - West Moulton 138kV	P	3
Gemini	138	T	2020-2021	Gristmill - Gemini 138kV	P	3
Gristmill	345/138	T	2020-2021	Gristmill - Gemini 138kV	P	3
Gristmill	345/138	T	2020-2021	Gristmill - Shelby 345kV	P	3
Gristmill	345/138	T	2020-2021	Gristmill - Southwest Lima 345kV	P	3
Guernsey (IPP interconnection)	765	T	2019-2021	Kammer - Vassell 765kV	E	6
Hannibal (IPP interconnection)	138	T	2019-2021	Kammer - Ormet #1 138kV	E	4
Hannibal (IPP interconnection)	138	T	2019-2021	Kammer - Ormet #2 138kV	E	4
Hannibal (IPP interconnection)	138	T	2019-2021	Kammer - Ormet #3 138kV	E	4
Hannibal (IPP interconnection)	138	T	2019-2021	Kammer - Ormet #4 138kV	E	4
La Rue	138	T	2019-2021	Harpster - La Rue	E/P	20
La Rue	138	T	2019-2021	La Rue - North Waldo - West Mount Vernon	E/P	20
La Rue	138	T	2019-2021	South Kenton - La Rue	E/P	20
Lockbourne	138	T	2020-2022	Harrison - Lockbourne Switch 138kV	E/P	2.75
Lockbourne	138	T	2020-2022	Lemaster - Lockbourne Switch 138kV	E/P	2.75

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
Oilers Switch	69 (Designed) / 34.5 (Operated)	T	2019-2021	New Liberty - Oilers Switch	E/P	20
Oilers Switch	69 (Designed) / 34.5 (Operated)	T	2019-2021	Oilers - Findlay	E/P	20
Oilers Switch	69 (Designed) / 34.5 (Operated)	T	2019-2021	Oilers Switch - North Woodcock	E/P	20
Oilers Switch	69 (Designed) / 34.5 (Operated)	T	2019-2021	Oilers Switch - South Findlay	E/P	20
Tigers	69	T	2019-20	Clutch - Tigers 69kV	P	1
Tigers	69	T	2019-20	Madisonburg - Tigers 69kV	E	1
Devola (s1125)	138/12	T	2020	Gorsuch - Mill Creek 138kV	E/P	8
Devola (s1125)	138/12	T	2020	Lamping - Devola 138kV	E/P	8
Devola (s1125)	138/12	T	2020	Mill Creek - Belmont 138kV tie-line	E/P	8
Devola (s1125)	138/12	T	2020	South Caldwell - Devola 138kV	E/P	8
Culbertson	138	T	2020-2021	Ohio Central - Philo 138 kV	P	3 to 5
Boutwell	138/69	T	2022	East Lima - North Findlay 138 kV	E	3 to 5
Boutwell	138/69	T	2022	Boutwell - Lacers Switch 34.5 kV (69 kV standards)	P	3 to 5
Ravin	69	T	2023-2025	Hanover - Stillwell 69 kV	P	3 to 5
Schlegel	69	T	2023-2025	West Nashville - Shreve - West Millersburg 69 kV	E	3 to 5
Black Diamond	138/69	T	2023-2025	Ohio Central - South Millersburg 138 kV	E/P	TBD
Black Diamond	138/69	T	2023-2025	South Millersburg - West Millersburg 138 kV	E/P	TBD
Black Diamond	138/69	T	2023-2025	South Millersburg - Killbuck 69 kV	P	TBD

APPENDIX

List of Libraries

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

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