



Legal Department

American Electric Power
1 Riverside Plaza
Columbus, OH 43215
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April 15, 2016

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

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

RE: *In the Matter of the Long-Term Forecast Report of AEP Ohio Transmission Company, Inc. and Related Matters*, Case No. 16-1501-EL-FOR.

Dear Ms. McNeal:

I am submitting the enclosed 2016 Long-Term Forecast Report (LTFR) on behalf of AEP Ohio Transmission Company, Inc., pursuant to Section 4935.04, Ohio Revised Code. I have sent a copy of AEP Ohio transmission Company, Inc.'s 2016 LTFR to the Office of the Ohio Consumers' Counsel in accordance with Rule 4901:5-1-03(F), Ohio Administrative Code.

Thank you for your attention to this matter.

Respectfully Submitted,

/s/ Steven T. Nourse
Steven T. Nourse

AEP OHIO TRANSMISSION COMPANY, INC.

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

Case No. 16-1501-EL-FOR

**2016
ELECTRIC**

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

Submitted by

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

April 15, 2016

CERTIFICATE OF SERVICE

I hereby certify that:

1. Pursuant to Section 4901:5-1-03(F), Ohio Administrative Code, copies of AEP Ohio Transmission Company, Inc.'s 2016 Long-Term Forecast Report have been delivered or mailed to the Office of Consumers' Counsel on the day of the filing;
2. Pursuant to Section 4901:5-1-03(G), Ohio Administrative Code, a letter of notification stating where copies of AEP Ohio Transmission Company, Inc.'s 2016 Long-Term Forecast Report to the Public Utilities Commission of Ohio may be obtained, will be sent by first class mail to the appropriate county libraries within three days of filing;
3. Pursuant to Section 4901:5-1-03(H), Ohio Administrative Code, AEP Ohio Transmission Company, Inc. will keep at least one copy of their 2016 Long-Term Forecast Report at their principal business office for public inspection during business hours; and
4. Pursuant to Section 4901:5-1-03(I), Ohio Administrative Code, AEP Ohio Transmission Company, Inc. will provide a copy of their 2016 Long-Term Forecast Report to any person upon request at a cost to cover the expenses incurred.



Steven T. Nourse
American Electric Power Service Corporation
1 Riverside Plaza
Columbus, Ohio 43215
(614) 716-1608
Attorney for AEP Ohio Transmission Company, Inc.

April 15, 2016
Dated this day in Columbus, Ohio

OH Transco 2016

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

**AEP Ohio Transmission Company, Inc.'s 2016 Long-Term Forecast Report
is true and correct to the best of my knowledge and belief.**

A handwritten signature in black ink, appearing to read "Kamran Ali", is positioned above a horizontal line.

**Kamran Ali
Manager Regional Transmission Planning
AEP Ohio Transmission Company, Inc.**

**April 15, 2016
Dated this day in Columbus, Ohio**

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AEP OHIO TRANSMISSION COMPANY, Inc.

LTFR TRANSMISSION FORMS

Case No. 16-1501-EL-FOR

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

Transmission Name & Line No. ¹⁾	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
		Normal Rating	Emergency Rating	Normal Rating	Emergency Rating			Length (Miles)	Width Max./Min. (feet)		Design	Installed	
List Each Transmission Line of 125 kV or More	Indicate Location of Line's Beginning and Terminus					Indicate Design Voltage and Operating Voltage For Each Line				Steel Towers, Wood Poles or Underground, etc. Miles of the Line of Each Structure			Substation Name
584	Hyatt (OP) - Marysville	1166	1166	1481	1481	345	345	0.45	150/150	Steel - Lattice	1	1	
589	Bixby - West Lancaster	296	413	375	464	138	138	19.04	100/100	Wood - 3 pole	1	1	PICKERINGTON RD
596	Dexter Sw. - Elliott - Poston	98	123	123	123	138	138	3.84	100/100	Wood - H-frame	1	1	MEIGS NO. 2
621	Kenny - Roberts	213	282	221	328	138	138	1.17	100/100	Steel - 1 pole	1	1	
637	Circleville - Scioppo	150	219	189	243	138	138	2.79	100/100	Wood - 1 pole	1	1	EAST SCIPPO SWITCH
658	Bixby - Groves Road No. 1	145	145	183	183	138	138	4.6	100/100	Steel - 1 pole	1	1	THREE CREEKS SW
677	Corridor - Gahanna 138kV	338	456	427	517	138	345	1.59	150/150	Wood - 1 pole	1	1	
710	Greenlawn - Triffin Center	257	360	325	404	138	138	2.95	100/100	Wood - 1 pole	1	1	
749	Southeast Canton - Sunnyside	296	398	375	452	138	138	3.06	100/100	Steel - Lattice	1	1	
758	Tidd - Wagenhals	296	296	375	375	138	138	0.35	100/100	Steel - Lattice	1	1	BROADACRE, MALVERN, EAST AMSTERDAM, PANDA ROAD
770	Lincoln - Sterling	164	167	210	210	138	138	15.71	100/100	Wood - H-frame	1	1	NORTH DELPHOS
2256	Poson - Ross	195	220	216	239	138	138	42.44	100/100	Wood - H-frame	1	1	S BLOOMINGVIL SW
2331	Bixby - Groves Road No. 2	427	601	541	675	138	138	4.41	100/100	Steel - 1 pole	1	1	
2804	Bexley - Groves	427	498	541	572	138	138	4.35	100/100	Steel - 1 pole	1	1	
4942	Globe Metal - Muskingum River	167	197	210	210	138	138	0.39	100/100	Steel - Lattice	1	1	
15238	Jug Street - Kirk 345kV	1251	1580	1579	1825	345	345	12.26	150/150	Steel - Lattice	1	1	
16797	Blue Creek - Maddox Creek	2369	2829	3019	3365	345	345	0.03	150/150	Steel - Lattice	1	1	
17718	East Leipsic - Yellow Creek	296	361	375	453	138	138	0.41	100/100	Steel - 1 pole	1	1	
18637	Corridor - Vassell No. 1	1409	1472	1781	1826	345	345	0.5	150/150	Steel - 2 pole	1	1	
18638	Corridor - Vassell No. 2	1409	1887	1781	2144	345	345	0.49	150/150	Steel - Lattice	1	1	
18657	Gahanna - West Millersport	359	520	455	581	138	345	1.6	150/150	Wood - 1 pole	1	1	
19357	Maliszewski - Vassell	4142	4142	5133	5133	765	765	1.12	200/200	Steel - 1 pole	1	1	
19358	Delaware - Vassell	338	456	427	517	138	138	3.97	100/100	Steel - 1 pole	1	1	
19359	Hyatt - Vassell	1409	1472	1781	1826	345	345	0.52	150/150	Steel - Lattice	1	1	
19397	Muskingum River - Steamtown	205	205	258	258	138	138	1.13	100/100	Wood - 1 pole	1	1	SOUTH CALDWELL
19398	Steamtown - Summerfield	191	205	255	258	138	138	2.41	100/100	Steel - Lattice	1	1	
19899	Kammer - Vassell	4047	4571	4484	4961	765	765	116.09	200/200	Steel - 1 pole	1	1	
20237	Annin - Hyatt	564	755	712	858	138	345	0.87	150/150	Steel - Lattice	1	1	
20737	Conesville - Ohio Central	1409	1887	1781	2144	345	345	2.94	150/150	Steel - 2 pole	1	1	
20738	Bixby - Ohio Central	1409	1887	1781	2144	345	345	2.94	150/150	Wood - 1 pole	1	1	
20758	Jug Street - Kirk 138kV	564	747	712	880	138	345	12.5	150/150	Steel - 2 pole	1	1	
21117	Highland (CSP) - Hillsboro	296	413	375	464	138	138	9.5	100/100	Wood - 1 pole	1	1	
21340	Jug Street - Smiths Mill	257	360	325	404	138	138	0.16	100/100	Steel - 1 pole	1	1	
21357	Muskingum River - Wolf Creek	205	275	258	318	138	138	4.7	100/100	Steel - H-frame	1	1	LAYMAN, CORNER
21617	Biers Run - Bixby	1409	1409	1781	1781	345	345	0.07	150/150	Steel - Lattice	1	1	
21618	Biers Run - Don Marquis	1414	1414	1787	1787	345	345	0.09	150/150	Wood - H-frame	1	1	
21678	Highland (CSP) - Seaman	195	220	216	239	138	138	3.64	100/100	Steel - 1 pole	1	1	New Market Switch
22219	Firebrick - Gavin	185	185	234	234	138	138	0.09	100/100	Steel - Lattice	1	1	
22220	Firebrick - Millbrook	185	185	234	234	138	138	0.06	100/100	Steel - 1 pole	1	1	GAVIN 138KV
22397	North Bellville - Ohio Central	133	133	143	143	138	138	0.94	100/100	Wood - 1 pole	1	1	MILLBROOK PARK
22417	Corwin - Elk	220	223	277	281	138	138	5.77	200/200	Steel - Lattice	1	1	MILLWOOD
22418	Elk - Poston	164	180	191	191	138	138	9.06	100/100	Wood - H-frame	1	1	
22537	Ohio Central - Philo #2	138	179	183	213	138	138	0.92	100/100	Steel - 3 pole	1	1	

¹⁾ 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)	Notation	Line Existing or Proposed
BIERS RUN	T	345	Biers Run - Bixby	21617	E
BIERS RUN	T	345	Biers Run - Don Marquis	21618	E
BLUE RACER	T	138	Blue Racer - Summerfield	20577	E
BLUE RACER	T	138	Blue Racer - Texas Eastern	20578	E
EMERALD SWITCH	T	138	*Kenton (LGEE) - Wildcat	18078	E
GOOD HOPE SW	T	138	Harrison (Csp) - Poston	634	E
HOLLOWAY	T	345	Beverly - Holloway	22497	E
HOLLOWAY	T	345	Holloway - Tidd	22498	E
MADDOX CREEK	T	345	Blue Creek - Maddox Creek	16797	E
NEW MARKET SWITCH	T	138	Highland (CSP) - Seaman	21678	E
S BLOOMINGVIL SW	T	138	Poston - Ross	2256	E
STEAMTOWN	T	138	Muskingum River - Steamtown	19397	E
STEAMTOWN	T	138	Steamtown - Summerfield	19398	E
TIMBER SW	T	138	Haviland - Timber Switch	16677	E
TIMBER SW	T	138	Timber Road No. 2 - Timber Switch	16817	E
VASSELL	T	138	Delaware - Vassell	19358	E
VASSELL	T	345	Corridor - Vassell No. 1	18637	E
VASSELL	T	345	Corridor - Vassell No. 2	18638	E
VASSELL	T	345	Hyatt - Vassell	19359	E
VASSELL	T	765	Maliszewski - Vassell	19357	E
VASSELL	T	765	Kammer - Vassell	19899	E
WARE ROAD	T	138	Ware Road - Waverly	18299	E
WARE ROAD	T	138	Adams - Ware Road	22118	E
YELLOW CREEK	T	138	East Leipsic - Yellow Creek	17718	E

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

1. Line Name and Number: Indicate planned line name and number.
2. Points of Origin and Termination: Specify planned points of line origin and termination.
3. Right-Of-Way: Specify right-of-way length, average width and number of transmission lines above 125 kV.
4. Voltage: Specify planned design and operate voltage.
5. Application For Certificate: Indicate the probable date for filing an application for a certificate, to the extent possible.
6. Construction: Specify planned construction commencement and anticipated date of commercial operation.
7. Capital Investment: Provide preliminary initial estimates of capital investment including land acquisitions, right-of-way improvements, and facilities and equipment costs, as available at the time of reporting.
8. Planned Substations: Specify number of tentative location and names of planned substations, transmission voltages and average acreage required.
9. Supporting Structures: Indicate preliminary structure type(s).
10. Participation with Other Utilities: Specify the nature of participation with other utilities, if applicable.
11. Purpose of the Planned Transmission Line: Indicate the preliminary purpose of the planned line (e.g., system reliability, connection of generating facilities, load center growth, etc.).
12. Consequences of Line Construction Deferment or Termination: Briefly describe the consequences of delay.
13. Miscellaneous: Waivers to be requested, date of pre-application conference (optional), area to be served, and other significant information.

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

1.	LINE NAME AND NUMBER:	Biers Run-Hopetown	Hopetown-Delano
2.	POINTS OF ORIGIN AND TERMINATION:	Proposed Biers Run station Proposed Hopetown Station	Proposed Hopetown Station Delano
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	5.5 miles / 100 ft / Biers Run-Hopetown	5.5 miles / 100 ft / Hopetown-Delano
4.	VOLTAGE:		
	DESIGN/OPERATE	138 kV / 138 kV	138 kV / 138 kV
5.	APPLICATION FOR CERTIFICATE:	Submitted	Submitted
6.	CONSTRUCTION:	To be completed approx. 2016	To be completed approx. 2016
7.	CAPITAL INVESTMENT:	Approx. \$5.5 million	Approx. \$5.5 million
8.	PLANNED SUBSTATIONS:		
	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION		
9.	SUPPORTING STRUCTURES:	Overhead	Overhead
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Area reliability/serve increased area capacity.	Area reliability/serve increased area capacity.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Reduced area reliability
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Biers Run-Circleville	Hillsboro-Highland
2.	POINTS OF ORIGIN AND TERMINATION:	Proposed Biers Run station Circleville	Hillsboro Highland
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	23.5 miles / 100 ft / Biers Run-Circleville	7.5 miles / 100 ft / Hillsboro-Highland
4.	VOLTAGE: DESIGN/OPERATE	138 kV / 138 kV	138 kV / 138 kV
5.	APPLICATION FOR CERTIFICATE:	Submitted	N/A
6.	CONSTRUCTION:	To be completed approx. 2017	To be completed approx. 2016
7.	CAPITAL INVESTMENT:	Approx. \$24 million	Approx. \$8 million
8.	PLANNED SUBSTATIONS:		
	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION		
9.	SUPPORTING STRUCTURES:	Overhead	Overhead
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Area reliability/serve increased area capacity.	Area reliability/serve increased area capacity.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Reduced area reliability
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Highland-Seaman	Harrison-Circleville #1
2.	POINTS OF ORIGIN AND TERMINATION:	Highland Seaman	Harrison Circleville
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	16.5 miles / 100 ft / Hillsboro-Highland	15.2 miles / 100 ft / Harrison-Circleville
4.	VOLTAGE: DESIGN/OPERATE	138 kV / 138 kV	138 kV / 138 kV
5.	APPLICATION FOR CERTIFICATE:	N/A	If required, to be filed in 2014-2015
6.	CONSTRUCTION:	To be completed approx. 2015	To be completed approx. 2017
7.	CAPITAL INVESTMENT:	Approx. \$8 million	Approx. \$16 million
8.	PLANNED SUBSTATIONS:		
	NAME -	New Market Switch	
	TRANS. VOLTAGE -	138 kV	
	ACREAGE -	Approx. 1/4 acre	
	LOCATION	Highland County	
9.	SUPPORTING STRUCTURES:	Overhead	Overhead
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Area reliability/serve increased area capacity.	Area reliability/serve increased area capacity.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Reduced area reliability
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Harrison-Circleville #2	Delano-Ross #1
2.	POINTS OF ORIGIN AND TERMINATION:	Harrison Circleville	Delano Ross
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	15.2 miles / 100 ft / Harrison-Circleville	4.7 miles / 100 ft / Delano-Ross
4.	VOLTAGE: DESIGN/OPERATE	138 kV / 138 kV	138 kV / 138 kV
5.	APPLICATION FOR CERTIFICATE:	If required, to be filed in 2014-2015	To be filed in 2014-2015
6.	CONSTRUCTION:	To be completed approx. 2017	To be completed approx. 2015
7.	CAPITAL INVESTMENT:	Approx. \$16 million	Approx. \$5 million
8.	PLANNED SUBSTATIONS:		
	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION		
9.	SUPPORTING STRUCTURES:	Overhead	Overhead
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Area reliability/serve increased area capacity.	Area reliability/serve increased area capacity.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Reduced area reliability
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Ross-Delano #2	Bixby - Ohio Central
2.	POINTS OF ORIGIN AND TERMINATION:	Delano Ross	Bixby Ohio Central
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	4.7 miles / 100 ft / Delano-Ross	2 miles / 100 ft / Bixby - Ohio Central
4.	VOLTAGE: DESIGN/OPERATE	138 kV / 138 kV	345 kV / 345 kV
5.	APPLICATION FOR CERTIFICATE:	To be filed in 2014-2015	To be filed in 2014-2015
6.	CONSTRUCTION:	To be completed approx. 2015	To be filed in 2014-2015
7.	CAPITAL INVESTMENT:	Approx. \$5 million	Approx. \$5 million
8.	PLANNED SUBSTATIONS:		
	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION		
9.	SUPPORTING STRUCTURES:	Overhead	Overhead
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Area reliability/serve increased area capacity.	Support overloads in the Southeastern area due to AEP / ATSI 2015 generation retirements.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Reduced area reliability
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Conesville - Ohio Central	North Bellville - Ohio Central
2.	POINTS OF ORIGIN AND TERMINATION:	Conesville Ohio Central	North Bellville Ohio Central
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	2 miles / 150 ft / Conesville - Ohio Central	2 miles / 100 ft / North Bellville - Ohio Central
4.	VOLTAGE:		
	DESIGN/OPERATE	345 kV / 345 kV	138 kV / 138 kV
5.	APPLICATION FOR CERTIFICATE:	To be filed in 2014-2015	To be filed in 2014-2015
6.	CONSTRUCTION:	To be filed in 2014-2015	To be filed in 2014-2015
7.	CAPITAL INVESTMENT:	Approx. \$5 million	Approx. \$1.5 million
8.	PLANNED SUBSTATIONS:		
	NAME -	Overhead	
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION		
9.	SUPPORTING STRUCTURES:	Overhead	Overhead
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Support overloads in the Southeastern area due to AEP / ATSI 2015 generation retirements.	Support overloads in the Southeastern area due to AEP / ATSI 2015 generation retirements.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Reduced area reliability
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Philo Sw - Ohio Central	Philo Sw - North Muskingum
2.	POINTS OF ORIGIN AND TERMINATION:	Philo Sw Ohio Central	Philo Sw North Muskingum
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	2 miles / 100 ft / Philo Sw - Ohio Central	0.5 miles / 100 ft / Philo Sw. - North Muskingum
4.	VOLTAGE:		
	DESIGN/OPERATE	138 kV / 138 kV	138 kV / 138 kV
5.	APPLICATION FOR CERTIFICATE:	To be filed in 2014-2015	To be filed in 2015-2016
6.	CONSTRUCTION:	To be filed in 2014-2015	To be filed in 2015-2016
7.	CAPITAL INVESTMENT:	Approx. \$1.5 million	Approx. \$1.05 million
8.	PLANNED SUBSTATIONS:		
	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION		
9.	SUPPORTING STRUCTURES:	Overhead	Overhead
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Support overloads in the Southeastern area due to AEP / ATSI 2015 generation retirements.	PJM identified voltage deviations in 2017 for the Muskingum Area.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Reduced area reliability
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Philo Sw - Crooksville	East Amsterdam - Miller Switch
2.	POINTS OF ORIGIN AND TERMINATION:	Philo Sw Crooksville	Miller Switch Station East Amsterdam Station
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	0.5 miles / 100 ft / Philo Sw. - Crooksville	9.7miles/100ft/East Amsterdam - Miller Sw 69kV
4.	VOLTAGE:		
	DESIGN/OPERATE	138 kV / 138 kV	138kV / 69kV
5.	APPLICATION FOR CERTIFICATE:	To be filed in 2015-2016	To be submitted July - August 2014
6.	CONSTRUCTION:	To be filed in 2015-2016	Jan. 2015 - June 2016
7.	CAPITAL INVESTMENT:	Approx. \$1.05 million	\$22.5 Million
8.	PLANNED SUBSTATIONS:	None	
	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION		
9.	SUPPORTING STRUCTURES:	Overhead	Overhead single circuit construction
10.	PARTICIPATION WITH OTHER UTILITIES:	None	none
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	PJM identified voltage deviations in 2017 for the Muskingum Area.	Line overloads under normal conditions due to increase in shale gas activity
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	System overload violations
13.	MISCELLANEOUS:		Construction completion delayed to June 2016

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

1.	LINE NAME AND NUMBER:	Melmore - Tiffin Center 138 kV	Britton - Davidson 138 kV
2.	POINTS OF ORIGIN AND TERMINATION:	Melmore and Tiffin Center	Britton Station and Davidson Station
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	Greenlawn 100 Feet Standard ROW	1.1 miles / 100 ft / 1 circuit
4.	VOLTAGE: DESIGN/OPERATE	138 kV	138 kV / 138 kV
5.	APPLICATION FOR CERTIFICATE:	To be filed in 2013	Spring 2016
6.	CONSTRUCTION:	2014	Fall 2016
7.	CAPITAL INVESTMENT:	Approx. \$5 million	\$2 million
8.	PLANNED SUBSTATIONS:		
	NAME -		Britton Station
	TRANS. VOLTAGE -		138 kV
	ACREAGE -		
	LOCATION		Hilliard, Ohio
9.	SUPPORTING STRUCTURES:	Overhead	Single pole, single circuit
10.	PARTICIPATION WITH OTHER UTILITIES:	None	No
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Reliability Improvement	Customer Service
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Low Voltage Violations	Less reliability to customer
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Devola - Highland Ridge Switch 138 kV	Nottingham - Freebyrd 138 kV
2.	POINTS OF ORIGIN AND TERMINATION:	Devola Highland Ridge Switch	Nottingham Station Freebyrd Station
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	4 miles / 100 ft / 1 circuit	4 miles / 100 ft.
4.	VOLTAGE:		
	DESIGN/OPERATE	138 kV/138 kV	138 / 138 kV
5.	APPLICATION FOR CERTIFICATE:	To be submitted 2017 or 2018	LON Submitted
6.	CONSTRUCTION:	To be completed approx. June 2020	2015 / 2016
7.	CAPITAL INVESTMENT:	Approx \$ 8.5 M	Approx \$14M
8.	PLANNED SUBSTATIONS:		
	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION -		
9.	SUPPORTING STRUCTURES:	Single steel poles with single circuit	Steel Poles, double circuit construction
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Increased area reliability	Serve customer load increase that otherwise would overload existing 69 kV facilities.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Customer served from South Cadiz-Freebyrd could not increase to full desired load.
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Freebyrd - South Cadiz 138 kV	West Bellaire - Glencoe 138 kV
2.	POINTS OF ORIGIN AND TERMINATION:	South Cadiz Freebyrd Station	West Bellaire Glencoe Switch
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	2 miles / 100 ft.	5.8 miles / 100 ft.
4.	VOLTAGE: DESIGN/OPERATE	138 / 138 kV	138 / 138 kV
5.	APPLICATION FOR CERTIFICATE:	LON Submitted	To be Submitted in 2016
6.	CONSTRUCTION:	To start in 2015 or 2016	To start in 2016 or 2017
7.	CAPITAL INVESTMENT:	Approx \$7M	Approx. \$20M
8.	PLANNED SUBSTATIONS:		
	NAME -		NEFFs
	TRANS. VOLTAGE -		69
	ACREAGE -		
	LOCATION		
9.	SUPPORTING STRUCTURES:	Steel Poles, double circuit construction	Steel Poles, double circuit construction
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Serve customer load increase that otherwise would overload existing 69 kV facilities.	Solve PJM identified thermal and voltage violations.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Customer served from South Cadiz-Freebyrd could not increase to full desired load.	Identified violations would persist.
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Glencoe - Speidel 138 kV	Speidel - Summerfield 138 kV
2.	POINTS OF ORIGIN AND TERMINATION:	Glencoe Switch Speidel Switch	Speidel Switch Herlan Switch
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	25.5 miles / 100 ft.	19.5 miles / 100 ft.
4.	VOLTAGE: DESIGN/OPERATE	138 / 69 kV	138 / 69 kV
5.	APPLICATION FOR CERTIFICATE:	To be Submitted in 2016	To be Submitted in 2016
6.	CONSTRUCTION:	To start in 2016 or 2017	To start in 2016 or 2017
7.	CAPITAL INVESTMENT:		
8.	PLANNED SUBSTATIONS:		
	NAME -	South Belmont	Barnesville, Batesville
	TRANS. VOLTAGE -	138	138, 138
	ACREAGE -		
	LOCATION		
9.	SUPPORTING STRUCTURES:	Steel Poles, single circuit on double circuit construction	Steel Poles, single circuit on double circuit construction
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Support area shale load growth and other system upgrades. Replace deteriorated 69 kV facilities.	Support area shale load growth and other system upgrades. Replace deteriorated 69 kV facilities.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Continuing to serve area shale growth and obtaining outages for other required upgrades both become increasingly difficult.	Continuing to serve area shale growth and obtaining outages for other required upgrades both become increasingly difficult.
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Yager-Azalea Road 138kV	Autumn Tap 138kV
2.	POINTS OF ORIGIN AND TERMINATION:	Yager (proposed) Azalea Road (existing)	Autumn Switch (proposed) Customer station (proposed)
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	4.2 miles / 100 ft / 1 circuit	0.4 mile / 100 ft / 1 circuit
4.	VOLTAGE:		
	DESIGN/OPERATE	138 kV design / 138 kV operation	138 kV design / 138 kV operation
5.	APPLICATION FOR CERTIFICATE:	Approx. Oct. 2015	Approx. July 2016
6.	CONSTRUCTION:	To be completed approx. Nov. 2016	To be completed approx. June 2017
7.	CAPITAL INVESTMENT:	Approx. \$10 million	Approx. \$1 million
8.	PLANNED SUBSTATIONS:		
	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION		
9.	SUPPORTING STRUCTURES:	Single steel poles	Single steel poles
10.	PARTICIPATION WITH OTHER UTILITIES:	May parallel a portion of FE ATSI's 138kV R-O-W	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Area reliability/serve increased customer loads	Customer service
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT		
	OR TERMINATION:	Reduced area reliability, load curtailed at industrial customers	Lack of service for industrial customer
13.	MISCELLANEOUS:	Was formerly Yager-Tappan 138kV (Tappan Cancelled)	

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

1.	LINE NAME AND NUMBER:	Yager-Leesville 138kV	Dennison-Yager 69kV (138kV design)
2.	POINTS OF ORIGIN AND TERMINATION:	Yager (proposed) Leesville (existing)	Dennison Yager (proposed)
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	4.5 miles / 100 ft / 1 circuit	7.3 miles / 100 ft / 1 circuit 6-wired
4.	VOLTAGE:		
	DESIGN/OPERATE	138 kV / 138 kV	138 kV / 69 kV
5.	APPLICATION FOR CERTIFICATE:	Approx. Dec. 2015	Approx. July 2016
6.	CONSTRUCTION:	To be completed approx. June 2017	To be completed approx. June 2017
7.	CAPITAL INVESTMENT:	Approx. \$11 million	Approx. \$15 million
8.	PLANNED SUBSTATIONS:		
	NAME -	Autumn Switch (proposed switch)	Irish Run Switch (existing)
	TRANS. VOLTAGE -	138kV	69kV
	ACREAGE -	0	0
	LOCATION	Leesville, Ohio (Carroll County)	Ulrichsville, Ohio (Tuscarawas County)
9.	SUPPORTING STRUCTURES:	Single steel poles with single circuit	Single steel poles with single circuit 6-wired
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Area reliability/serve increased customer loads	Area reliability/serve increased customer loads
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT		
	OR TERMINATION:	Reduced area reliability, load curtailed at industrial customers	Reduced area reliability, load curtailed at industrial customers
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Yager-Desert Road 69kV (138kV design)	South Caldwell - Macksburg 138kV
2.	POINTS OF ORIGIN AND TERMINATION:	Yager (proposed) Desert Road	South Caldwell Macksburg
	Intermediate Station		South Olive Switch
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	6.8 miles / 100 ft / 1 circuit 6-wired	11.3 miles / 100 ft / 1 circuit
	VOLTAGE:		
4.	DESIGN/OPERATE	138 kV / 69 kV	138 kV / 138 kV
	APPLICATION FOR CERTIFICATE:	Approx. Nov. 2016	Approx. February 2016
6.	CONSTRUCTION:	To be completed approx. Nov. 2017	To be completed approx. June 2018
7.	CAPITAL INVESTMENT:	Approx. \$14 million	Approx. \$16 million
8.			
	NAME -	West Bowerston Switch (existing)	South Olive Switch (proposed)
	TRANS. VOLTAGE -	69kV	138 kV
	ACREAGE -	0	0.1
	LOCATION -	Bowerston, Ohio (Harrison County)	Dexter City, Ohio (Noble County)
9.	SUPPORTING STRUCTURES:	Single steel poles with single circuit 6-wired	Single steel poles with single circuit
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Area reliability/serve increased customer loads	Increase area reliability
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT		
	OR TERMINATION:	Reduced area reliability, load curtailed at industrial customers	Reduced area reliability
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Herlan-Blue Racer 138kV	Summerfield-Berne 138kV
2.	POINTS OF ORIGIN AND TERMINATION:	Herlan Switch & Blue Racer	Summerfield & Texas Eastern Berne
	Intermediate Station		Blue Racer
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	3.2 miles / 100 ft / 1 circuit	3.5 miles / 100 ft / 1 circuit
4.	VOLTAGE:		
	DESIGN/OPERATE	138kV / 138kV	138kV / 138kV
5.	APPLICATION FOR CERTIFICATE:	Estimated completion in 2016 or 2017	Estimated completion in 2017 or 2018
6.	CONSTRUCTION:	Estimated completion 2019	Estimated completion 2020
7.	CAPITAL INVESTMENT:	Approx. \$7M	Approx. \$7M
8.	PLANNED SUBSTATIONS:		
	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION -		
9.	SUPPORTING STRUCTURES:	Single Pole, single circuit	Single Pole, single circuit
10.	PARTICIPATION WITH OTHER UTILITIES:		
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Area reliability/serve increased customer loads	Area reliability/serve increased customer loads
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	RTEP planning criteria violations, reduced reliability.	Reduced reliability due to limited thermal ratings and line deterioration.
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Macksburg - Highland Ridge Switch 138 kV	Devola - Mill Creek 138 kV
2.	POINTS OF ORIGIN AND TERMINATION:	Macksburg Highland Ridge Switch	Devola Mill Creek
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	11.3 miles / 100 ft / 1 circuit	0.25 miles / 100 ft / 1 circuit
4.	VOLTAGE:		
	DESIGN/OPERATE	138 kV/138 kV	138 kV/138 kV
5.	APPLICATION FOR CERTIFICATE:	Approx February 2016	To be submitted 2017 or 2018
6.	CONSTRUCTION:	To be completed approx. Dec. 2016	To be completed approx. June 2020
7.	CAPITAL INVESTMENT:	Approx \$30 M	Approx \$ 0.6 M
8.	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION -		
9.	SUPPORTING STRUCTURES:	Single steel poles with single circuit	Single steel poles with single circuit
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Increased area reliability	Increased area reliability
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Reduced area reliability
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Lowell 138 kV extension	Lamping-Devola 138kV
2.	POINTS OF ORIGIN AND TERMINATION:	Lowell Macksburg - Highland Ridge Switch 138 kV	Lamping (proposed) Devola (proposed)
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	3.5 miles / 100 ft / 1 circuit	24 miles / 100 ft. / 1 circuit
4.	VOLTAGE:		
	DESIGN/OPERATE	138 kV/138 kV	138kV / 138kV
5.	APPLICATION FOR CERTIFICATE:	To be submitted 2017 or 2018	To be submitted between July 2016-July 2017
6.	CONSTRUCTION:	To be completed approx. June 2019	To be completed approx. June 2022
7.	CAPITAL INVESTMENT:	Approx \$ 4 M	Approx. \$51 million
8.	PLANNED SUBSTATIONS:		
	NAME -		Rouse Switch, Bell Ridge Switch
	TRANS. VOLTAGE -		138kV
	ACREAGE -		0.0 (switch pole)
	LOCATION -		Washington County
9.	SUPPORTING STRUCTURES:	Single steel poles with single circuit	Steel H-frames with single circuit
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Increased area reliability	Improved area reliability, replacing failing 23kV system
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Continued poor reliability in the Marietta area
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Dilles Bottom-George Washington 138kV	Dilles Bottom-Holloway 138kV
2.	POINTS OF ORIGIN AND TERMINATION:	Dilles Bottom & George Washington	Dilles Bottom & Holloway
	Intermediate Station		
3.	RIGHT-OF-WAY:		
	LENGTH/WIDTH/CIRCUITS -	1.5 miles / 100 ft / 2 circuits	1.3 miles / 100 ft / 2 circuits
4.	VOLTAGE:	138 kV/138 kV	138 kV/138 kV
	DESIGN/OPERATE		
5.	APPLICATION FOR CERTIFICATE:	Completion est. 2017	Completion est. 2017
6.	CONSTRUCTION:	Completion est. 2019	Completion est. 2019
7.	CAPITAL INVESTMENT:		
8.	PLANNED SUBSTATIONS:		
	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION -		
9.	SUPPORTING STRUCTURES:	Single Pole double circuit construction	Single Pole double circuit construction
10.	PARTICIPATION WITH OTHER UTILITIES:		Partially feed through existing First Energy owned 138kV lines
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Service to IPP customer.	Service to IPP customer.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Customer generation curtailment	Customer generation curtailment
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
Biers Run	345/138/69	T	Estimated 6/2015	Don Marquis-Bixby 345 kV	Existing	Approx. 15 acres
Biers Run	345/138/69	T	Estimated 6/2016	Biers Run-Hopetown 138 kV	Proposed	Approx. 15 acres
Biers Run	345/138/69	T	Estimated 6/2017	Biers Run-Circleville 138 kV	Proposed	Approx. 15 acres
Emerald Switch	138	T	Estimated 12/31/2014	Hillsboro-Kenton 138 kV	Existing	Approx. ¼ acre
New Market Switch	138	T	Estimated 3/1/2015	Highland-Seaman 138 kV	Existing	Approx. ¼ acre
Melmore	138	T	Estimated 6/1/2016	Melmore - Fremont Center	Proposed	Approx. 5.0 acres
Ebersole	138	T	Estimated 12/30/2015	East Lima - Fostorial Central	Existing	Approx. 5.0 acres
Clouse	138/69 kV	T	43040	West Lancaster - Zanesville 138 kV ckt; New Lexington - South Fultonham 69 kV ckt	Existing	Approx. 3 acres
Hazelton	138 kV/12 kV	T	Estimated 6/01/2016	Jug - Kirk 138 kV	Proposed	Approx 1.2 acres
Nottingham Switch	138 kV	T	Estimated 12/2016	Nottingham-Freebyrd 138 kV	Proposed	Approx. 114 acres
Yager	138/69kV	T	Est. 11/1/2016	Dennison-Yager 69kV; Yager-Desert Rd 69kV; Yager-Azalea Road 138kV; Yager-Leesville 138kV; Yager-Cloverdale 138kV tie-line; Yager-Harmon 138kV tie-line; Yager-Nottingham 138kV #1 & #2	Proposed	Approx. 6 acres
Gable Switch	138kV	T	Estimated Summer 2017	Carrollton-Tidd 138kV; Gable-South Cadiz 138kV	Proposed	Approx. 2-5 acres
Herlan Switch	138kV	T	Est. 2017	Herlan-Blue Racer 138 kV	Proposed	Approx. 5.0 acres
Malaga Switch	138kV	T	Est 2017-2018	Muskingum-Somerton-Natrum 138 kV & Summerfield-Somerton-Natrum 138 kV	Existing	Approx. 5.0 acres
South Olive Switch	138 kV	T	Estimated Fall 2017	South Caldwell - Macksburg 138 kV	Proposed	Approx 0.2 acres
Macksburg	138 kV	T	Estimated Summer 2018	Macksburg - Highland Ridge Switch 138 kV	Proposed	Approx 0.2 acres
Lowell	138 kV	T	Estimated Summer 2019	Macksburg - Highland Ridge Switch 138 kV; Lowell 138 kV extension	Proposed	Approx 0.2 acres

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
Highland Ridge Switch	138 kV	T	Estimated Summer 2019	Macksburg - Highland Ridge Switch 138 kV	Proposed	Approx 0.2 acres
Devola	138 kV	T	Estimated Summer 2020	Devola - Highland Ridge Switch 138 kV; Devola - Mill Creek 138 kV	Proposed	Approx 10 acres
Tuscany	138 kV	T	Estimated Fall 2017	Delano - Scioto Trail 138 kV	Existing	Approx. 2.5 acres
Rexford Sw	69 kV (Built @ 138 kV)	T	Estimated Summer 2016	Blackhawk - Hopedale - Dillonvale 69 kV	Existing	N/A (PH/PH)
Saxony	138 kV	T	Estimated Spring 2018	East Leipsic - Yellow Creek 138 kV	Existing	Approx. 2.5 acres
Malhorn	138/69/12kV	T and D	Est. Dec. 2017	Tidd-Wagenhals 138kV; Sunnyside-Malvern 69kV; Malvern-Pekin 69kV	Existing	Approx. 3 acres
Lamping	345/138kV	T	Est. June 2018	Muskingum-Kammer 345kV; Lamping-Devola 138kV	Existing	Approx. 8 acres
Dilles Bottom	138/12 kV	T and D	Est. 2018-2019	George Washington-Dilles Bottom 138kV & Dilles Bottom-Holloway	Proposed	Approx. 4 acres
Berrywood Station	138 kV/69 kV	T	est - 12/2018	Trent - Delaware 138 kV	Existing	Approx 3 acres
Britton Station	138 kV	T	Estimated Spring 2017	Davidson - Dublin 138 kV & Britton - Davidson 138 kV	Existing & Proposed	Approx 3 acres
Sumac Station	138 kV	T	Estimated Spring 2017	Ties to Amlin Station	Existing	Approx 3 acres
Cole Station	345/138 kV	T	Estimated Fall 2017	Beatty - Hayden 345 kV & Amlin - Cole 138 kV	Existing & Proposed	Approx 10 acres
Neville Sw	138 kV	T	Estimated Fall 2016	Delano - Scioto Trail 138 kV	Existing	N/A (PH/PH)

APPENDIX

List of Libraries

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

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

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

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

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

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

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

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

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

COSHOCTON PUBLIC LIBRARY
655 MAIN ST
COSHOCTON OH 43812-1697

BUCYRUS PUBLIC LIBRARY
200 E MAINSFIELD
BUCYRUS OH 44820-2381

GREENVILLE PUBLIC LIBRARY
520 SYCAMORE ST
GREENVILLE OH 45331-1438

DEFIANCE PUBLIC LIBRARY
320 FORT ST
DEFIANCE OH 43512-2186

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

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

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

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

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

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

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

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

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

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

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

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

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

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

JACKSON CITY LIBRARY
21 BROADWAY ST
JACKSON OH 45640-1610

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

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

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

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

LOGAN CO DISTRICT LIBRARY
220 N MAIN ST
BELLEFONTAINE OH 43311-2228

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

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

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

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

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

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

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

CALDWELL PUBLIC LIBRARY
517 SPRUCE ST
CALDWELL OH 43724-1289

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

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

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

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

PUTNAM CO DISTRICT LIBRARY
136 PUTNAM PARKWAY
OTTAWA OH 45875

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

CHILLICOTHE AND ROSS COUNTY
PUBLIC LIBRARY
140-146 S PAINT ST
P O BOX 185
CHILLICOTHE OH 45601

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

PORTSMOUTH PUBLIC LIBRARY
1220 GALLIA ST
PORTSMOUTH OH 45662-4185

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

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

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

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

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

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

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

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

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

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

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

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in

Case No(s). 16-1501-EL-FOR

Summary: Report -Long-Term Forecast Report of AEP Ohio Transmission Company, Inc. and Related Matters electronically filed by Mr. Steven T Nourse on behalf of AEP Ohio Transmission Company