



Legal Department

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

April 15, 2014

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)
(614) 716-2014 (F)
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RE: *In the Matter of the Long-Term Forecast Report of AEP Ohio Transmission Company, Inc. and Related Matters*, Case No. 14-1501-EL-FOR.

Dear Ms. McNeal:

I am submitting the enclosed 2014 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 2014 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. 14-1501-EL-FOR

**2014
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, 2014

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 2014 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 2014 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 2014 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 2014 Long-Term Forecast Report to any person upon request at a cost to cover the expenses incurred.



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

April 15, 2014
Dated this day in Columbus, Ohio

OH Transco 2014

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

**AEP Ohio Transmission Company, Inc.'s 2014 Long-Term Forecast Report
is true and correct to the best of my knowledge and belief.**



**E. Wilcox
Director – AEP East Transmission Planning
AEP Ohio Transmission Company, Inc.**

**April 15, 2014
Dated this day in Columbus, Ohio**

AEP OHIO TRANSMISSION COMPANY, Inc.

LTFR TRANSMISSION FORMS

Case No. 14-1501-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. and Number of Miles of the Line of Each Structure			Substation Name
621	Kenny - Roberts	213	282	221	328	138	138	1.01	100/100	Steel - 1 pole	1	1	
634	Harrison (Csp) - Poston	138	179	183	213	138	138	0.02	100/100	Wood - H-frame	1	1	GOOD HOPE SW
677	Corridor - Gahanna 138kV	338	456	427	517	138	345	1.22	150/150	Wood - 1 pole	1	1	
2256	Poston - Ross	148	192	214	229	138	138	42.76	100/100	Wood - H-frame	1	1	S BLOOMINGVIL SW-TRA
16797	Blue Creek - Maddox Creek	2369	2829	3019	3365	345	345	0.03	150/150	Steel - Lattice	1	1	
17138	Roberts - West Campus	323	409	323	409	138	138	1.12	100/100	Steel - 1 pole	1	1	
17718	East Leipsic - Yellow Creek	296	384	375	458	138	138	0.41	100/100	Steel - 1 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 (D) Distribution (T) Transmission	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Notation	Line Existing or Proposed
EMERALD SWITCH - TR	T	138	*Kenton (LGEE) - Wildcat	18078	E
GOOD HOPE SW	T	138	Harrison (Csp) - Poston	634	E
MADDOX CREEK	T	345	Blue Creek - Maddox Creek	16797	E
S BLOOMINGVIL SW-TRA	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	765	Kammer - Vassell	19899	E
VASSELL	T	765	Maliszewski - Vassell	19357	E
WARE ROAD	T	138	Adams - Seaman - Ware Road	18298	E
WARE ROAD	T	138	Ware Road - Waverly	18299	E
YELLOW CREEK	T	138	East Leipsic - Yellow Creek	17718	E

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

1.	LINE NAME AND NUMBER:	Philo Sw - Crooksville	West Bellaire-Brues 138kV #2
2.	POINTS OF ORIGIN AND TERMINATION:	Philo Sw Crooksville	West Bellaire & Brues stations
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	0.5 miles / 100 ft / Philo Sw. - Crooksville	4.7 miles/ 100' R/W Width
4.	VOLTAGE: DESIGN/OPERATE	138 kV / 138 kV	138/138
5.	APPLICATION FOR CERTIFICATE:	To be filed in 2015-2016	None required, construction on vacant tower position
6.	CONSTRUCTION:	To be filed in 2015-2016	Oct-13
7.	CAPITAL INVESTMENT:	Approx. \$1.05 million	\$4M
8.	PLANNED SUBSTATIONS: NAME - TRANS. VOLTAGE - ACREAGE - LOCATION	None	None
9.	SUPPORTING STRUCTURES:	Overhead	Double Circuit Lattice Steel Towers
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	PJM identified voltage deviations in 2017 for the Muskingam Area.	Address Reliability Concerns identified by PJM
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Reduced area reliability	Reliability of Area is jeopardized
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Amlin - Hyatt	Jug - Kirk
2.	POINTS OF ORIGIN AND TERMINATION:	Hyatt Amlin	Jug Kirk
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	11.43 miles, 150 feet	12 miles, 150 feet
4.	VOLTAGE: DESIGN/OPERATE	345kV / 138kV	345kV / 138 kV
5.	APPLICATION FOR CERTIFICATE:	Not required - utilizing vacant tower position on the Hayden - Hyatt 345 kV tower	Not required - double circuit a portion of the Bixby - Kirk 138 kV line to include the Jug - Kirk 138 kV circuit
6.	CONSTRUCTION:	Completed 6/1/14	Completed 12/1/14
7.	CAPITAL INVESTMENT:	Approx. \$5 million	Approx. \$35 million
8.	PLANNED SUBSTATIONS:		
	NAME -		Hazelton
	TRANS. VOLTAGE -		138 kV
	ACREAGE -		Approx 1.2 acres
	LOCATION		North of Pataskala, OH
9.	SUPPORTING STRUCTURES:	Overhead	Overhead
10.	PARTICIPATION WITH OTHER UTILITIES:	None	Formerly a CCD line. AEP is driving this project.
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Customer Service	Customer Service
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Unable to provide customers with desired connection	Unable to provide customers with desired connection
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Melmore - Tiffin Center 138 kV	Fostoria Central - East Lima 138 kV
2.	POINTS OF ORIGIN AND TERMINATION:	Melmore and Tiffin Center	Fostoria Central - Ebersole
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	Greenlawn 100 Feet Standard ROW	Ebersole 100 Feet Standard ROW
4.	VOLTAGE: DESIGN/OPERATE	138 kV	138 kV
5.	APPLICATION FOR CERTIFICATE:	Filed 9/26/2013	Filed 9/26/2014
6.	CONSTRUCTION:	2014	2014
7.	CAPITAL INVESTMENT:	Approx. \$5 million	Approx. \$6 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:	Reliability Improvement	Reliability Improvement
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Low Voltage Violations	Low Voltage Violations
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	Azalea 138kV Extension East	Vassell - Delaware
2.	POINTS OF ORIGIN AND TERMINATION:	Leesville Station Proposed Azalea Station	Proposed Vassell Station Delaware Station
3.	RIGHT-OF-WAY: LENGTH/WIDTH/CIRCUITS -	1.25 miles/ 100ft	16.3 miles / 100 ft
4.	VOLTAGE: DESIGN/OPERATE	138kV / 69kV	138 kV/138 kV
5.	APPLICATION FOR CERTIFICATE:	LON Submitted	LON Submitted for the section between Trent and Delaware & a Full Application Submitted for the section between Vassell and Trent
6.	CONSTRUCTION:	10-Mar-14	2012-2014
7.	CAPITAL INVESTMENT:	\$5.5 Million	\$10.6 Million
8.	PLANNED SUBSTATIONS:		
	NAME -	Azalea	
	TRANS. VOLTAGE -	138kV	
	ACREAGE -	1.25	
	LOCATION	Carroll County/Leesville OH	
9.	SUPPORTING STRUCTURES:	Overhead construction single circuit	Overhead
10.	PARTICIPATION WITH OTHER UTILITIES:	None	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Serve shale gas customer load	Reliability Improvement
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	Not able to meet shale gas customer start production date	Low voltages under contingency conditions in NW Columbus
13.	MISCELLANEOUS:		

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

1.	LINE NAME AND NUMBER:	East Amsterdam - Miller Switch	Vassell - Corridor #2
2.	POINTS OF ORIGIN AND TERMINATION:	Miller Switch Station East Amsterdam Station	Proposed Vassell Station Corridor Station
3.	RIGHT-OF-WAY:	9.7miles/100ft/East Amsterdam - Miller Sw 69kV	8.2 miles / 150 ft.
4.	VOLTAGE:		
	DESIGN/OPERATE	138kV / 69kV	345 kV / 345 kV
5.	APPLICATION FOR CERTIFICATE:	To be submitted July - August 2014	LON and Construction Notice Submitted
6.	CONSTRUCTION:	Expected to start Nov 2014 - Jan 2015	2012 -2014
7.	CAPITAL INVESTMENT:	\$22.5 Million	\$4.3 Million
8.	NAME -		
	TRANS. VOLTAGE -		
	ACREAGE -		
	LOCATION -		
9.	SUPPORTING STRUCTURES:	Overhead sinle phase construction	Overhead
10.	PARTICIPATION WITH OTHER UTILITIES:	none	None
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE:	Line overloads under normal conditions due to increase in shale gas activity	Reliability Improvement
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION:	System overload violations	Low voltages under contingency conditions in Columbus
13.	MISCELLANEOUS:	AEP team currently working on identifying existing ROW and property owners for easements and additional ROW which might be required. Once access roads and row is identified the OPBS application will be prepared to be submitted.	

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	6/1/2015	Don Marquis-Bixby 345 kV	Existing	Approx. 15 acres
Biers Run	345/138/69	T	6/1/2016	Biers Run-Hopetown 138 kV	Proposed	Approx. 15 acres
Biers Run	345/138/69	T	6/1/2017	Biers Run-Circleville 138 kV	Proposed	Approx. 15 acres
Emerald Switch	138	T	12/31/2014	Hillsboro-Kenton 138 kV	Existing	Approx. ¼ acre
Firebrick	138/69	T	12/31/2016	Sporn-Portsmouth 138 kV	Existing	Approx. 2 acres
Hopetown	138/12	D	6/1/2016	Biers Run-Hopetown 138 kV	Proposed	Approx. 3 acres
Hopetown	138/12	D	6/1/2016	Hopetown-Delano 138 kV	Proposed	Approx. 3 acres
New Market Switch	138	T	3/1/2015	Highland-Seaman 138 kV	Existing	Approx. ¼ acre
Melmore	138	T	6/1/2016	Melmore - Fremont Center	Proposed	Approx. 5.0 acres
Ebersole	138	T	12/30/2015	East Lima - Fostorial Central	Existing	Approx. 5.0 acres
Amlin	138/12	D	6/1/2014	Amlin - Hyatt 138 kV	Proposed	Approx. 4 acres
Blackhawk	138/12 (operated at 69)	T	9/1/2013	Dillonvale-Amsterdam 69 kV	Proposed	Approx 4 acres
Holloway	345	T	6/1/2015	Tidd-Muskingum River 345 kV	Proposed	Approx 10 acres
Blue Racer	138kV	T	11/1/2014	Summerfield - Berne 138 kV	Proposed	Approx 1.5 acres
Leesville	138kV	T	7/1/2014	Azalea - Dennison - Desert Rd 138kV ckt	Proposed	Approx. 1 .5 acres
North New Lexington	138/69 kV	T	11/1/2017	West Lancaster - Zanesville 138 kV ckt; New Lexington - South Fultonham 69 kV ckt	Existing	Approx. 3 acres
Hazelton	138 kV/12 kV	T	12/1/2014	Jug - Kirk 138 kV	Proposed	Approx 1.2 acres

* Estimated

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Case No(s). 14-1501-EL-FOR

Summary: Report -2014 Long-Term Forecast Report (LTFR) electronically filed by Mr. Steven T Nourse on behalf of AEP Ohio Transmission Company