



An AEP Company

BOUNDLESS ENERGY™

Legal Department

American Electric Power
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AEP.com

June 28, 2018

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

Christen M. Blend
Senior Counsel
(614) 716-1915 (P)
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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. 18-1501-EL-FOR

Dear Ms. McNeal:

On April 16, 2018, AEP Ohio Transmission Company, Inc. (the “Company”) initiated this docket by filing its Long-Term Forecast Report (LTFR). On May 31, 2018, the Company corrected, supplemented, and replaced Forms FE-T9 and FE-T10 for planned electric transmission lines and proposed substations that will operate at 125 kilovolts (kV) or higher.

As Staff has requested, the Company now submits the enclosed additional supplement to its Forms FE-T9 and FE-T10 to provide information regarding planned electric transmission lines and proposed substations that will operate at 69 kV.

An additional affidavit, as required by Ohio Adm. Code 4901:5-1-03(D), to support the information submitted May 31, 2018 and herewith is also enclosed.

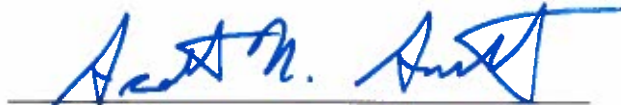
If there are any additional questions, please do not hesitate to contact me. Thank you for your attention to this matter.

Respectfully submitted,

/s/ Christen M. Blend
Christen M. Blend

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

**AEP Ohio Transmission Company, Inc.'s 2018 Long-Term Forecast Report
June 28, 2018 Supplemental Filing is true and correct to the best of my
knowledge and belief.**



Scott N. Smith

Senior Vice President, Transmission Field Services & Controls
AEP Ohio Transmission Company, Inc.

**June 28, 2018
Dated this day in Columbus, Ohio**

AEP OH Transco 2018

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

1.	LINE NAME AND (PJM NUMBER):	Academia - Lexington 69 kV (S0770)
2.	POINTS OF ORIGIN AND TERMINATION	Academia, Lexington; INTERMEDIATE STATION - North Liberty Switch, Plamyra Switch and West Bellville Switch
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	29.36/50 ft/single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	3 months
7.	CAPITAL INVESTMENT:	\$1 Million
8.	PLANNED SUBSTATION:	NAME - Divebliss; TRANS. VOLTAGE - 69; ACREAGE - 1.3; LOCATION - Mt. Vernon
9.	SUPPORTING STRUCTURES:	Steel pole
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Connecting to the new Divebliss station.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Will not be able to connect to the new Divebliss station.
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Adams-Rarden 69kV circuit (s1612)
2.	POINTS OF ORIGIN AND TERMINATION	Adams, Rarden; INTERMEDIATE STATION - Peebles Tap, Davon Tap
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	7.8 miles / 50 feet / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69 / 69kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	Completion expected in 2020.
7.	CAPITAL INVESTMENT:	Approximately \$20.3 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. 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	Improve area reliability.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of equipment failure and associated outages
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Beatty-Madison 69kV ckt (S1493)
2.	POINTS OF ORIGIN AND TERMINATION	Beatty, Madison; INTERMEDIATE STATION - Ballah Switch
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	~17 miles / 60ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69 / 69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2018-2019
7.	CAPITAL INVESTMENT:	Approximately \$51 Million (entire project S1493)
8.	PLANNED SUBSTATION:	NAME - Ballah Switch; TRANS. VOLTAGE - 69kV; ACREAGE - 0.05 acres; LOCATION - Pickaway Co., Ohio
9.	SUPPORTING STRUCTURES:	Steel monopole
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increasing frequency of equipment failures and customer outages.
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Buckskin-Highland 69kV circuit (s1559)
2.	POINTS OF ORIGIN AND TERMINATION	Buckskin, Highland; INTERMEDIATE STATION - Petersburg Sw
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	19.3 miles / 50 feet / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69 / 69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	Completion expected in 2019.
7.	CAPITAL INVESTMENT:	Approximatley \$21 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. 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	Improve area reliability.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of equipment failure and associated outages
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Carrothers - Greenlawn 69kV (b2791.1, b2791.2, s1298.1)
2.	POINTS OF ORIGIN AND TERMINATION	Carrothers, Greenlawn; INTERMEDIATE STATION - St Stephens Switch, Bloomville, North Bloomville Switch, West Rockaway Switch, East Tiffin
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	15.8 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2018/ 2019
7.	CAPITAL INVESTMENT:	\$31.8 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Resolve thermal overload issues on area lines; address poor condition and reliability concerns
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Circuit overloads; risk of power interruptions to local customers
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Chatfield - West Shelby 69kV (b2791.2, s1298.1, s1298.2)
2.	POINTS OF ORIGIN AND TERMINATION	Chafffield, West Shelby; INTERMEDIATE STATION - New Washington Switch, Hinesville Switch
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	18.9 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2018/ 2019
7.	CAPITAL INVESTMENT:	\$31.8 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Resolve thermal overload issues on area lines; address poor condition and reliability concerns
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Circuit overloads; risk of power interruptions to local customers
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Clark Street - Strouds Run (b2792)
2.	POINTS OF ORIGIN AND TERMINATION	Clark Street and Strouds Run; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	3.9 miles/50 ft/single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	6 months
7.	CAPITAL INVESTMENT:	\$3.8 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel pole
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Reubild Clark Street to Strouds Run to address N-1-1 thermal violations.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Line conductor will be overloaded.
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Dennison-Newport 69kV (S1488.1)
2.	POINTS OF ORIGIN AND TERMINATION	Dennison, Newport; INTERMEDIATE STATION - Blizzard Switch
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	3.3 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2019
7.	CAPITAL INVESTMENT:	\$5 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Continued poor reliability for customers in the Dennison, Gnadenhutten areas
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	East Cambridge - Smyrna (b2890.1)
2.	POINTS OF ORIGIN AND TERMINATION	East Cambridge; INTERMEDIATE STATION - Old Washington
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	23 miles/50 ft/single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	completion expected in 2021
7.	CAPITAL INVESTMENT:	\$34 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel pole
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	improve area reliability
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Circuit overloads; risk of power interruptions to local customers
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	East End Fostoria - Riverview 69kV (s1486.1)
2.	POINTS OF ORIGIN AND TERMINATION	East End Fostoria, Riverview; INTERMEDIATE STATION - Bidleman Switch, Bascom
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	12.8 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2018
7.	CAPITAL INVESTMENT:	\$12.4 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of equipment failure and associated outages
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	East Lima - East Ottawa 69kV (s1616.1)
2.	POINTS OF ORIGIN AND TERMINATION	East Lima, East Ottawa; INTERMEDIATE STATION - Cairo, Columbus Grove, North Columbus Grove Switch, Ottawa
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	20.7 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2019
7.	CAPITAL INVESTMENT:	\$13 Million
8.	PLANNED SUBSTATION:	NAME - Glandorf; TRANS. VOLTAGE - 69kV; ACREAGE - TBD; LOCATION - TBD
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of equipment failure and associated outages
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Flushing-Smyrna 69kV (b2715)
2.	POINTS OF ORIGIN AND TERMINATION	Flushing, Smyrna; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	12 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2018-2019
7.	CAPITAL INVESTMENT:	\$19 Million
8.	PLANNED SUBSTATION:	NAME - Flushing (new site); TRANS. VOLTAGE - 69; ACREAGE - 3; LOCATION - Flushing, OH
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Resolve thermal overload issues on area lines; address poor condition and reliability concerns
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Circuit overloads; risk of power interruptions to local customers
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Glencoe - Willow Grove 69kV (b2714)
2.	POINTS OF ORIGIN AND TERMINATION	Glencoe, Willow Grove Switch; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	0.8 miles / 50 ft / 1ckt; 1.4 miles / 75 ft / double circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2019-2020
7.	CAPITAL INVESTMENT:	\$6 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Primarily double-circuit steel poles; with 0.8 mile being single-circuit steel poles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Resolve thermal overload issues on the existing line
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Circuit overloads; risk of power interruptions to local customers
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Harpster - LaRue 34.5kV (b2794)
2.	POINTS OF ORIGIN AND TERMINATION	Harpster, La Rue; INTERMEDIATE STATION - Brownstown Tap Switch, Meeker Switch, Decliff
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	16 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/34.5 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2021
7.	CAPITAL INVESTMENT:	\$12.65 Million
8.	PLANNED SUBSTATION:	NAME - La Rue; TRANS. VOLTAGE - 138/69/34kV; ACREAGE - TBD; LOCATION - TBD
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Resolve N-1 voltage issues for 69kV stations in the area
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Stations in the area can experience low voltage conditions.
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Harpster - North Waldo 69kV (s1564.1)
2.	POINTS OF ORIGIN AND TERMINATION	Harpster, North Waldo; INTERMEDIATE STATION - Harpster Pump, Rdigedale, South Morral, West Marion, Uncapher Switch, Waldo
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	32 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2021
7.	CAPITAL INVESTMENT:	\$30 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of equipment failure and associated outages
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Harrison-Madison 69kV ckt (S1493)
2.	POINTS OF ORIGIN AND TERMINATION	Harrison, Madison; INTERMEDIATE STATION - Dry Run Switch, Darbyville Switch
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	26 miles / 60ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69 / 69kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2019-2022
7.	CAPITAL INVESTMENT:	Approximately \$51 Million (entire project S1493)
8.	PLANNED SUBSTATION:	NAME - Dry Run Switch & Darbyville Switch; TRANS. VOLTAGE - 69kV; ACREAGE - 0.05 acres each; LOCATION - Pickaway Co., Ohio
9.	SUPPORTING STRUCTURES:	Steel monopole
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increasing frequency of equipment failures and customer outages.
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Harrison-Parsons 40kV Ckt (69kV construction) (S1429)
2.	POINTS OF ORIGIN AND TERMINATION	Harrison, Parsons; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	7 miles / 60ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69 / 40kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2018-2019
7.	CAPITAL INVESTMENT:	Approximatley \$30-40 Million (entire project S1429)
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. 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	Serve Parsons station while Marion-Parsons 40kV line is rebuilt. Facilitate future conversion to 69kV.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increasing risk of equipment failures and resulting customer outages.
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Haviland - South Van Wert 69kV (s1608.2)
2.	POINTS OF ORIGIN AND TERMINATION	Haviland, South Van Wert; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	26 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2020
7.	CAPITAL INVESTMENT:	\$15.7 Million
8.	PLANNED SUBSTATION:	NAME - Cavett Switch; TRANS. VOLTAGE - 69kV; ACREAGE - TBD; LOCATION - TBD
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of equipment failure and associated outages
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Howard - West Shelby 69kV (s1298.2)
2.	POINTS OF ORIGIN AND TERMINATION	Howard, West Shelby; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	1.8 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2018/ 2019
7.	CAPITAL INVESTMENT:	\$31.8 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of equipment failure and associated outages
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	June Road - Pekin 69kV (b2796 and s1604.1)
2.	POINTS OF ORIGIN AND TERMINATION	June Road, Pekin; INTERMEDIATE STATION - South Malvern Switch, Oneida Switch
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	5.4 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	Fall 2018 - Fall/Winter 2019
7.	CAPITAL INVESTMENT:	\$7 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Resolve thermal overload issues on the existing line; address poor condition and reliability concerns
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Circuit overloads; risk of power interruptions to local customers
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Lincoln-Berrywood 69kV ckt (S1194)
2.	POINTS OF ORIGIN AND TERMINATION	Lincoln, Berrywood; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	17.5 miles / 60 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69 / 69kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	Completion expected in 2018.
7.	CAPITAL INVESTMENT:	Approximately \$40 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. 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	Improve area reliability.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Continued risk of customer complaints.
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Marion-Parsons 40kV Ckt (69kV construction) (S1429)
2.	POINTS OF ORIGIN AND TERMINATION	Marion, Parsons; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	5.2 miles / 60ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69 / 40kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2019-2021
7.	CAPITAL INVESTMENT:	Approximately \$30-40 Million (entire project S1429)
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. 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	Replace deteriorated 40kV line and facilitate future conversion to 69kV.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increasing risk of equipment failures and resulting customer outages.
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Mark Center - South Hicksville 69kV (s1568)
2.	POINTS OF ORIGIN AND TERMINATION	Mark Center, South Hicksville; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	8.9 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2019
7.	CAPITAL INVESTMENT:	\$8.2 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of equipment failure and associated outages
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Mount Sterling - Zanesville 69 kV (S1514.1)
2.	POINTS OF ORIGIN AND TERMINATION	Mount Sterling, Zanesville; INTERMEDIATE STATION - N/A
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	6.4 miles/50 ft/single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	8 months
7.	CAPITAL INVESTMENT:	\$6.74 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel pole
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Loop the Mount Sterling - South Fultonham 69 kV radial line to Zanesville station to increase reliability for customers served off of the radial line. Allow for maint. of the Mount Sterling - South Fultonham 69 kV radial line.
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	May not be able to rebuild the Mount Sterling - South Fultonham 69 kV radial line. Customers served off of the radial line are subject to the reliability issues of the line.
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Newcomerstown-Newport 69kV (S1488.1 & S1488.2)
2.	POINTS OF ORIGIN AND TERMINATION	Newcomerstown, Newport; INTERMEDIATE STATION - E. Newcomerstown Switch, Lock 17
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	18 miles / 50 ft / 1 ckt; 1.6 mile / 75 ft/double circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2018-2019
7.	CAPITAL INVESTMENT:	\$24 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Primarily single-circuit steel pole; with 1.6 miles being double-circuit 69kV
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Continued poor reliability for customers in the Port Washington, Gnadenhutten areas
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	North Delphos - Van Wert 69kV (s1617.4)
2.	POINTS OF ORIGIN AND TERMINATION	North Delphos, Van Wert; INTERMEDIATE STATION - South Delphos, Delphos, North Middlepoint
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	20.4 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2020
7.	CAPITAL INVESTMENT:	\$12.3 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of equipment failure and associated outages
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	North Delphos - West Moulton 69kV (s1617.5)
2.	POINTS OF ORIGIN AND TERMINATION	North Delphos, West Moulton; INTERMEDIATE STATION - East Delphos, Elida Road Switch, North Spencerville, Kossuth
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	20.4 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2020
7.	CAPITAL INVESTMENT:	\$16.1 Million
8.	PLANNED SUBSTATION:	NAME - North Spencerville; TRANS. VOLTAGE - 69; ACREAGE - TBD; LOCATION - TBD
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Increased risk of equipment failure and associated outages
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Ohio Central - Cyclops 69kV (b2797 and s1551)
2.	POINTS OF ORIGIN AND TERMINATION	Ohio Central, Cyclops; INTERMEDIATE STATION - Conesville, Dresden, South Dresden Switch
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	13.6 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	Fall 2018 - Fall/Winter 2019
7.	CAPITAL INVESTMENT:	\$22 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Resolve thermal overload issues on the existing line; address poor condition and reliability concerns
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Circuit overloads; risk of power interruptions to local customers
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	Torrey - Bliss Park 69kV (b2993 and s1558)
2.	POINTS OF ORIGIN AND TERMINATION	Torrey, Bliss Park; INTERMEDIATE STATION - South Gambrinus Switch, Gambrinus Road Switch
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	2.7 miles / 50 ft / single circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	Summer 2018 - Fall 2019
7.	CAPITAL INVESTMENT:	\$5.8 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Steel monopoles
10.	PARTICIPATION WITH OTHER UTILITIES	N/A
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Resolve thermal overload issues on the existing line; address poor condition and reliability concerns
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Circuit overloads; risk of power interruptions to local customers
13.	MISCELLANEOUS:	N/A

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

1.	LINE NAME AND (PJM NUMBER):	West Bellaire - Moundsville 69kV (s1623.1)
2.	POINTS OF ORIGIN AND TERMINATION	West Bellaire, Moundsville (WV); INTERMEDIATE STATION - Bellaire, Monroe Street, Shadyside
3.	RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS	15 miles / 50 ft / 1ckt; 3 miles / 75 ft / double circuit
4.	VOLTAGE: DESIGN / OPERATE	69/69 kV
5.	APPLICATION FOR CERTIFICATE:	N/A
6.	CONSTRUCTION:	2020-2023
7.	CAPITAL INVESTMENT:	\$40 Million
8.	PLANNED SUBSTATION:	NAME - N/A; TRANS. VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A
9.	SUPPORTING STRUCTURES:	Primarily single-circuit steel pole; with 3 miles being double-circuit 69kV
10.	PARTICIPATION WITH OTHER UTILITIES	Tie to AEP Wheeling Power (WV)
11.	PURPOSE OF THE PLANNED TRANSMISSION LINE	Improve area reliability; upgrade aging infrastructure
12.	CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION	Continued poor reliability for customers in the Bellaire, Shadyside areas
13.	MISCELLANEOUS:	N/A

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
Antrim Sw (b2890.4)	69	T	6/1/2019	East Cambridge - Smyrna 69 kV circuit	E	0.05
Ballah Switch (S1493)	69	T	2018-2019	Beatty-Madison 69kV ckt (S1493)	P	0.05
Big Darby Switch (S1493)	69	T	2019-2022	Harrison-Madison 69kV ckt (S1493)	P	0.05
Cavett Switch (s1608.1)	69	T	2020	Haviland - South Van Wert 69kV	E	0.05
Dry Run Switch (S1493)	69	T	2019-2022	Harrison-Madison 69kV ckt (S1493)	P	0.05
Glandorf (s1616.2)	69/12	D	2019	East Lima - East Ottawa 69kV	E	2
Goodnow Road Switch (s1564.3)	69	T	2021	Harpster - North Waldo 69kV	E	0.05
La Rue (b2794)	138/69/34.5	T	2021	La Rue - West Mt Vernon 138kV circuit, La Rue - South Kenton 138kV circuit, Harpster - La Rue 34.5kV circuit	E	2
Morgan Run (S1513.1)	Will be built to 69 kV and operated at 34.5 kV.	T	6/1/2019	Newcomerstown - North Coshocton 34.5 kV circuit	E	5
North Spencerville (s1617.1)	69/12	D	2020	North Delphos - West Moulton 69kV	E	2
Provident Switch (s1605.2)	69kV	T	2021-2023	Glencoe-Robyville-Bannock 69kV circuit	E	3
Somerset Sw (S1521.2)	69	T	6/1/2020	Clouse - South Fultonham 69 kV circuit	E	10

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Summary: Report of AEP Ohio Transmission Company, Inc.'s Supplemental Long-Term Forecast Report Filing (69 kV facilities) electronically filed by Ms. Christen M. Blend on behalf of AEP Ohio Transmission Power Company, Inc.