



Legal Department

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

May 31, 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 –  
Regulatory Services  
(614) 716-1915 (P)  
(614) 716-2950 (F)  
cmblend@aep.com

RE: *In the Matter of the Long-Term Forecast Report of Ohio Power Company and Related Matters*, Case No. 18-501-EL-FOR

Dear Ms. McNeal:

On April 16, 2018, Ohio Power Company (the “Company”) initiated this docket by filing its Long-Term Forecast Report (LTFR). In working with Staff and in reviewing the filing for accuracy and completeness, the Company identified several corrections to Forms FE-T9 and FE-T10 related to planned electric transmission lines and proposed substations that will operate at 125 kilovolts (kV) or higher. The Company therefore submits the attached corrected, supplemental Forms FE-T9 and FE-T10 for facilities above 125 kV. This filing supersedes and replaces the Company’s previously-filed Forms FE-T9 and FE-T10 in their entirety.

Additionally, at Staff’s request, the Company intends to file an additional supplement to its Forms FE-T9 and FE-T10 next month to provide information regarding planned electric transmission lines and proposed substations that will operate at 69 kV. At that time, the Company will submit an additional affidavit, as required by Ohio Adm. Code 4901:5-1-03(D), to support the complete supplemental filing.

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

PUCO FORM FE-T9  
AEP OHIO

Filed May 31, 2018

SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	<b>LINE NAME AND (PJM NUMBER):</b>	Crooksville - Lemaster - Strouds Run 138 kV (Existing circuit Crooksville - Lemaster - Strouds Run 138 kV circuit renamed due to Poston station being replaced by Lemaster station.) (B2888.2)
2.	<b>POINTS OF ORIGIN AND TERMINATION</b>	Lemaster/Crooksville; INTERMEDIATE STATION - Strouds Run
3.	<b>RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS</b>	35.50 miles/100ft, single circuit
4.	<b>VOLTAGE: DESIGN / OPERATE</b>	138 kV/ 138 kV
5.	<b>APPLICATION FOR CERTIFICATE:</b>	LON filed in Spring 2017.
6.	<b>CONSTRUCTION:</b>	Station construction to start in 2017. Line construction to start in 2018.
7.	<b>CAPITAL INVESTMENT:</b>	Approx: \$1.15 Million
8.	<b>PLANNED SUBSTATION:</b>	NAME - N/A; TRANS. VOLTAGE - 138 kV; ACREAGE - N/A; LOCATION - N/A
9.	<b>SUPPORTING STRUCTURES:</b>	N/A
10.	<b>PARTICIPATION WITH OTHER UTILITIES</b>	N/A
11.	<b>PURPOSE OF THE PLANNED TRANSMISSION LINE</b>	Relocate to the new Lemaster station.
12.	<b>CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION</b>	Will not be energized as Poston station will be retired and Lemaster will replace it.
13.	<b>MISCELLANEOUS:</b>	Submitted to PJM.

PUCO FORM FE-T9  
AEP OHIO

Filed May 31, 2018

SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	<b>LINE NAME AND (PJM NUMBER):</b>	East Lima-Sterling 138kV circuit (S1206, B1881, & B2820)
2.	<b>POINTS OF ORIGIN AND TERMINATION</b>	East Lima-Sterling; INTERMEDIATE STATION - Thayer Road Hanthorn Road Sw
3.	<b>RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS</b>	14.4 mi / 100 / single circuit
4.	<b>VOLTAGE: DESIGN / OPERATE</b>	138kV
5.	<b>APPLICATION FOR CERTIFICATE:</b>	2018
6.	<b>CONSTRUCTION:</b>	2019
7.	<b>CAPITAL INVESTMENT:</b>	Approx. \$1.7 Million
8.	<b>PLANNED SUBSTATION:</b>	NAME - Sterling; TRANS. VOLTAGE - 138/34.5kV; ACREAGE - N/A; LOCATION - N/A
9.	<b>SUPPORTING STRUCTURES:</b>	Steel poles
10.	<b>PARTICIPATION WITH OTHER UTILITIES</b>	N/A
11.	<b>PURPOSE OF THE PLANNED TRANSMISSION LINE</b>	This circuit entrance spans to Sterling station is being modified due to the Sterling station rebuild.
12.	<b>CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION</b>	Rebuilt station will not be connected to the 138kV lines
13.	<b>MISCELLANEOUS:</b>	N/A

PUCO FORM FE-T9  
AEP OHIO

Filed May 31, 2018

SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	<b>LINE NAME AND (PJM NUMBER):</b>	Gay St-Reaver 138kV (S1606.4)
2.	<b>POINTS OF ORIGIN AND TERMINATION</b>	Gay St, Reaver; INTERMEDIATE STATION - Sullivant Terminal
3.	<b>RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS</b>	0.1 mi / 100 ft / single-circuit
4.	<b>VOLTAGE: DESIGN / OPERATE</b>	138kV / 138kV
5.	<b>APPLICATION FOR CERTIFICATE:</b>	Construction notice or LON in 2018-19
6.	<b>CONSTRUCTION:</b>	Tentative 2019-20
7.	<b>CAPITAL INVESTMENT:</b>	\$500k
8.	<b>PLANNED SUBSTATION:</b>	NAME - Reaver; TRANS. VOLTAGE - 138 kV; ACREAGE - Approx 4 acres; LOCATION - SW Columbus
9.	<b>SUPPORTING STRUCTURES:</b>	Overhead
10.	<b>PARTICIPATION WITH OTHER UTILITIES</b>	N/A
11.	<b>PURPOSE OF THE PLANNED TRANSMISSION LINE</b>	Cut in new AEP-Ohio Distribution station to existing line.
12.	<b>CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION</b>	AEP-Ohio Distribution would have difficulty in continuing to serve area load growth.
13.	<b>MISCELLANEOUS:</b>	N/A

PUCO FORM FE-T9  
AEP OHIO

Filed May 31, 2018

SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	<b>LINE NAME AND (PJM NUMBER):</b>	Gristmill - Shelby 345kV (Not yet submitted to PJM, S number not yet issued)
2.	<b>POINTS OF ORIGIN AND TERMINATION</b>	Gristmill - Shelby; INTERMEDIATE STATION - N/A
3.	<b>RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS</b>	17.75 mi / 150 / single circuit
4.	<b>VOLTAGE: DESIGN / OPERATE</b>	345kV / 345kV
5.	<b>APPLICATION FOR CERTIFICATE:</b>	2018/2019
6.	<b>CONSTRUCTION:</b>	To be completed approx. 12/31/2019
7.	<b>CAPITAL INVESTMENT:</b>	Approx. \$2 Million
8.	<b>PLANNED SUBSTATION:</b>	NAME - Gristmill; TRANS. VOLTAGE - 345/138kV; ACREAGE - N/A; LOCATION - N/A
9.	<b>SUPPORTING STRUCTURES:</b>	Overhead, Guyed V
10.	<b>PARTICIPATION WITH OTHER UTILITIES</b>	N/A
11.	<b>PURPOSE OF THE PLANNED TRANSMISSION LINE</b>	This circuit is created by cutting into the existing Shelby - Southwest Lima 345kV circuit and terminating at the new Gristmill Station. The only new line construction involves entrance spans to Gristmill station.
12.	<b>CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION</b>	New customer load would not have service in required timeframe
13.	<b>MISCELLANEOUS:</b>	N/A

PUCO FORM FE-T9  
AEP OHIO

Filed May 31, 2018

SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	<b>LINE NAME AND (PJM NUMBER):</b>	Gristmill - Southwest Lima 345kV (Not yet submitted to PJM, S number not yet issued)
2.	<b>POINTS OF ORIGIN AND TERMINATION</b>	Gristmill - Southwest Lima; INTERMEDIATE STATION - N/A
3.	<b>RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS</b>	10.5 mi / 150 / single circuit
4.	<b>VOLTAGE: DESIGN / OPERATE</b>	345kV / 345kV
5.	<b>APPLICATION FOR CERTIFICATE:</b>	2018/2019
6.	<b>CONSTRUCTION:</b>	To be completed approx. 12/31/2019
7.	<b>CAPITAL INVESTMENT:</b>	Approx. \$2 Million
8.	<b>PLANNED SUBSTATION:</b>	NAME - Gristmill; TRANS. VOLTAGE - 345/138kV; ACREAGE - N/A; LOCATION - N/A
9.	<b>SUPPORTING STRUCTURES:</b>	Overhead, Guyed V
10.	<b>PARTICIPATION WITH OTHER UTILITIES</b>	N/A
11.	<b>PURPOSE OF THE PLANNED TRANSMISSION LINE</b>	This circuit is created by cutting into the existing Shelby - Southwest Lima 345kV circuit and terminating at the new Gristmill Station. The only new line construction involves entrance spans to Gristmill station.
12.	<b>CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION</b>	New customer load would not have service in required timeframe
13.	<b>MISCELLANEOUS:</b>	N/A

PUCO FORM FE-T9  
AEP OHIO

Filed May 31, 2018

SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	<b>LINE NAME AND (PJM NUMBER):</b>	Hannibal 138kV Extension #1 & 2 (N5327)
2.	<b>POINTS OF ORIGIN AND TERMINATION</b>	Hannibal station (IPP interconnection); INTERMEDIATE STATION - N/A
3.	<b>RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS</b>	0.1 mi / 100 ft / double-circuit
4.	<b>VOLTAGE: DESIGN / OPERATE</b>	138kV / 138kV
5.	<b>APPLICATION FOR CERTIFICATE:</b>	Construction notice or LON in 2018-19
6.	<b>CONSTRUCTION:</b>	Tentative 2019-20
7.	<b>CAPITAL INVESTMENT:</b>	\$500k
8.	<b>PLANNED SUBSTATION:</b>	NAME - Hannibal; TRANS. VOLTAGE - 138kV; ACREAGE - 4; LOCATION - Hannibal (former Ormet property)
9.	<b>SUPPORTING STRUCTURES:</b>	Steel lattice towers
10.	<b>PARTICIPATION WITH OTHER UTILITIES</b>	N/A
11.	<b>PURPOSE OF THE PLANNED TRANSMISSION LINE</b>	Extend existing Ormet 138kV lines to new IPP interconnection station
12.	<b>CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION</b>	Not being able to interconnect new IPP natural gas power plant
13.	<b>MISCELLANEOUS:</b>	N/A

PUCO FORM FE-T9  
AEP OHIO

Filed May 31, 2018

SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	<b>LINE NAME AND (PJM NUMBER):</b>	McComb-Reaver 138kV (S1606.4)
2.	<b>POINTS OF ORIGIN AND TERMINATION</b>	McComb, Reaver; INTERMEDIATE STATION - N/A
3.	<b>RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS</b>	0.1 mi / 100 ft / single-circuit
4.	<b>VOLTAGE: DESIGN / OPERATE</b>	138kV / 138kV
5.	<b>APPLICATION FOR CERTIFICATE:</b>	Construction notice or LON in 2018-19
6.	<b>CONSTRUCTION:</b>	Tentative 2019-20
7.	<b>CAPITAL INVESTMENT:</b>	\$500k
8.	<b>PLANNED SUBSTATION:</b>	NAME - Reaver; TRANS. VOLTAGE - 138 kV; ACREAGE - Approx 4 acres; LOCATION - SW Columbus
9.	<b>SUPPORTING STRUCTURES:</b>	Overhead
10.	<b>PARTICIPATION WITH OTHER UTILITIES</b>	N/A
11.	<b>PURPOSE OF THE PLANNED TRANSMISSION LINE</b>	Cut in new AEP-Ohio Distribution station to existing line.
12.	<b>CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION</b>	AEP-Ohio Distribution would have difficulty in continuing to serve area load growth.
13.	<b>MISCELLANEOUS:</b>	N/A



PUCO FORM FE-T9  
AEP OHIO

Filed May 31, 2018

SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	<b>LINE NAME AND (PJM NUMBER):</b>	North Delphos-Sterling 138kV circuit (S1206, B1881, & B2820)
2.	<b>POINTS OF ORIGIN AND TERMINATION</b>	North Delphos-Sterling; INTERMEDIATE STATION - East Side Lima
3.	<b>RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS</b>	22.2 mi / 100 / double and single circuit
4.	<b>VOLTAGE: DESIGN / OPERATE</b>	138kV
5.	<b>APPLICATION FOR CERTIFICATE:</b>	2018
6.	<b>CONSTRUCTION:</b>	2019
7.	<b>CAPITAL INVESTMENT:</b>	Approx. \$2 Million
8.	<b>PLANNED SUBSTATION:</b>	NAME - Sterling; TRANS. VOLTAGE - 138/34.5kV; ACREAGE - N/A; LOCATION - N/A
9.	<b>SUPPORTING STRUCTURES:</b>	Steel Poles
10.	<b>PARTICIPATION WITH OTHER UTILITIES</b>	N/A
11.	<b>PURPOSE OF THE PLANNED TRANSMISSION LINE</b>	This circuits entrance spans to Sterling station is being modified due to the Sterling station rebuild.
12.	<b>CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION</b>	Rebuilt station will not be connected to the 138kV lines
13.	<b>MISCELLANEOUS:</b>	N/A

PUCO FORM FE-T9  
AEP OHIO

Filed May 31, 2018

SPECIFICATION OF PLANNED ELECTRIC TRANSMISSION LINES

1.	<b>LINE NAME AND (PJM NUMBER):</b>	Ordinance Junction Switch-Sterling 138kV circuit (S1206, B1881, & B2820)
2.	<b>POINTS OF ORIGIN AND TERMINATION</b>	Ordinance Junction Switch-Sterling; INTERMEDIATE STATION - N/A
3.	<b>RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS</b>	1.7 mi / 100 / single ckt
4.	<b>VOLTAGE: DESIGN / OPERATE</b>	138kV
5.	<b>APPLICATION FOR CERTIFICATE:</b>	2018
6.	<b>CONSTRUCTION:</b>	2019
7.	<b>CAPITAL INVESTMENT:</b>	Approx. \$1 Million
8.	<b>PLANNED SUBSTATION:</b>	NAME - Sterling; TRANS. VOLTAGE - 138/34.5kV; ACREAGE - N/A; LOCATION - N/A
9.	<b>SUPPORTING STRUCTURES:</b>	Steel poles
10.	<b>PARTICIPATION WITH OTHER UTILITIES</b>	N/A
11.	<b>PURPOSE OF THE PLANNED TRANSMISSION LINE</b>	This circuit entrance spans to Sterling station is being modified due to the Sterling station rebuild.
12.	<b>CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION</b>	Rebuilt station will not be connected to the 138kV lines
13.	<b>MISCELLANEOUS:</b>	N/A

PUCO FORM FE-T10  
AEP OHIO  
SUMMARY OF PROPOSED SUBSTATIONS

Filed May 31, 2018

Substation Name	Voltage(s) (kV)	Type Distribution (D) Transmission (T)	Timing	Line Association(s)	Line Existing or Proposed	Minimum Substation Site Acreage
Berrywood (S1194)	138 kV/69 kV	T	Est - 8/2019	Trent - Delaware 138 kV	Existing	Approx 3 acres
Brice (S1594.2)	138/13	D	2019	Brice-Astor & Shannon-Groves-Brice	Proposed	3
Buell (s1125)	138/12	D	2019-20	South Caldwell - Devola 138	Proposed	3
Dilles Bottom (expansion of existing) (b2753.2)	138/12	D	2019-20	George Washington -Dilles Bottom 138kV, Dilles Bottom - Holloway 138kV	Proposed	4
Glencoe (expansion of existing) (b2593)	138/69	T	2019	West Bellaire - Glencoe 138kV	Proposed	4
Highland Ridge Switch (s1125)	138	T	2020	Macksburg - Highland Ridge Switch 138 kV	Proposed	Approx 0.2 acres
Lemaster (B2888.2)	138/12	D	Estimated 6/1/2018	Poston - Ross 138 kV; Poston - Harrison 138 kV; Poston - Hocking 138 kV; Crooksville - Poston - Strouds Run 138 kV; Corwin - Elk - Poston 138 kV; Dexter - Elliot - Poston 138 kV	Existing	Approx 10 acres
Levee (s1133)	138/12	D	2018	Mill Creek-Belmont 138kV tie-line (formerly Mill Creek-Willow Island 138kV)	Existing	3
Macksburg (s1125)	138/12	D	2018-19	South Caldwell - Devola 138	Proposed	3
Mink (S1651.2)	138/34.5	D	2019	East Broad Street - Kirk #1	Proposed	3.5
Reaver (S1606.1)	138/13	D	2019	Gay Street - Mccomb,	Proposed	3
Sardinia (s1609)	138/12	D	Estimated 2021	Wild Cat - Kenton 138kV, Adams-Seaman -Sardinia 69kV line	Existing	expand <1 acre
South Olive Switch (s1125)	138	T	2018	South Caldwell - Macksburg 138 kV	Proposed	Approx 0.2 acres

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**5/31/2018 11:18:28 AM**

**in**

**Case No(s). 18-0501-EL-FOR**

Summary: Correspondence - Ohio Power Company submits the attached corrected, supplemental Forms FE-T9 and FE-T10 electronically filed by Ms. Christen M. Blend on behalf of Ohio Power Company