



Legal Department

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

April 12, 2022

Ms. Tanowa Troupe  
Docketing Division  
Public Utilities Commission of Ohio  
180 East Broad Street  
Columbus, Ohio 43215-3793

Hector Garcia-Santana  
Senior Counsel –  
Regulatory Services  
(614) 716-3410 (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. 22-1501-EL-FOR***

Dear Ms. Troupe:

I am submitting the enclosed 2022 Long-Term Forecast Report (“LTFR”) on behalf of AEP Ohio Transmission Company, Inc. (“AEP Ohio Transco”) pursuant to Section 4935.04 of the Ohio Revised Code.

Thank you for your attention to this matter.

Respectfully submitted,

*/s/ Hector Garcia-Santana*

*Hector Garcia-Santana*

Hector Garcia-Santana (84517)

***Counsel for AEP Ohio Transmission Company, Inc.***

**AEP OHIO TRANSMISSION COMPANY, INC.**

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

Case No. 22-1501-EL-FOR

**2022  
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 12, 2022**

## CERTIFICATE OF SERVICE

I hereby certify that:

1. Pursuant of Section 4901:5-1-03(F), Ohio Administrative Code, copies of AEP Ohio Transmission Company's 2022 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's 2022 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 will keep at least one copy of its 2022 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 will provide a copy of its 2022 Long-Term Forecast report to any person upon request at a cost to cover the expenses incurred.

Hector Garcia-Santana

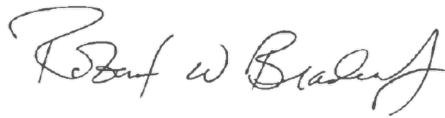
Hector Garcia-Santana (84517)  
American Electric Power Service Corporation  
1 Riverside Plaza  
Columbus, Ohio 43215  
(614) 716-3410

April 12, 2022

Dated this day in Columbus, Ohio

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

**AEP Ohio Transmission Company, Inc.'s 2022 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 "Robert W. Braden". The signature is fluid and cursive, with the first name "Robert" being more prominent.

---

Senior Vice President, Regulated Infrastructure  
Investment Planning  
AEP Ohio Transmission Company, Inc.

**April 12, 2022**  
Dated this day in Columbus, Ohio

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**AEP Ohio Transmission Company, Inc.**  
**LTFR Transmission Forms**

PUCO Form FE-T7:  
AEP OHIO TRANSMISSION COMPANY  
Characteristics of Existing Transmission Lines

| Transmission Name & Line No. <sup>a</sup>     | Point of (Origin - Terminus)                       | Summer Capability |                  | Winter Capability |                  | Operating Voltage (kV)                                      | Design Voltage (kV) | Right-of-Way   |                        | Type of Supporting Structure  | Number of Circuits |           | Substations on the Line |
|---|--|-------------------|------------------|-------------------|------------------|---|---------------------|----------------|------------------------|---|--------------------|-----------|-------------------------|
| List Each Transmission Line of 125 kV or More | Indicate Location of Line's Beginning and Terminus | Normal Rating     | Emergency Rating | Normal Rating     | Emergency Rating | Indicate Design Voltage and Operating Voltage For Each Line |                     | Length (Miles) | Width Max./Min. (feet) | Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure | Design             | Installed | Substation Name         |
| 27117   | * Belmont (FE) - Levee                             | 282               | 282              | 335               | 356              | 138   | 138                 | 0.10           | 100/100                | Steel Pole  | 1                  | 1         | RENO                    |
| 11541   | * Belpre - Parkersburg (APS)                       | 251               | 290              | 250               | 306              | 138   | 138                 | 1.48           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 33997   | * Guernsey - Guernsey (IPP)                        | 5523              | 5523             | 6845              | 6845             | 765   | 765                 | 0.23           | 200/200                | Steel Pole  | 1                  | 1         |                         |
| 31737   | * Kenton (LGE) - Sardinia                          | 151               | 185              | 191               | 191              | 138   | 138                 | 3.78           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 24228   | * Knox (FE) - Nottingham                           | 200               | 242              | 225               | 285              | 138   | 138                 | 1.27           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 19957   | * Steamtown - Steamtown (Markwest) #1              | 747               | 747              | 926               | 926              | 138   | 138                 | 0.01           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 19958   | * Steamtown - Steamtown (Markwest) #2              | 747               | 747              | 926               | 926              | 138   | 138                 | 0.01           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 19959   | * Steamtown - Steamtown (Markwest) #3              | 747               | 747              | 926               | 926              | 138   | 138                 | 0.01           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 22618   | * Steamtown - Steamtown (Markwest) #4              | 747               | 747              | 926               | 926              | 138   | 138                 | 0.01           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 22117   | Adams - Seaman                                     | 296               | 345              | 345               | 345              | 138   | 138                 | 7.94           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 22118   | Adams - Ware Road                                  | 296               | 413              | 375               | 464              | 138   | 138                 | 20.24          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 25880   | Allen - Logtown                                    | 290               | 290              | 290               | 290              | 138   | 138                 | 2.30           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 16678   | Allen - Timber Switch                              | 283               | 355              | 357               | 411              | 138   | 138                 | 2.39           | 100/100                | Steel Pole  | 1                  | 1         | TILLMAN                 |
| 33398   | Amlin - Hayden                                     | 564               | 747              | 712               | 858              | 138   | 138                 | 3.18           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 20237   | Amlin - Hyatt                                      | 564               | 747              | 712               | 858              | 138   | 138                 | 0.66           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 26298   | Amlin - Sumac No. 1                                | 766               | 898              | 970               | 1069             | 138   | 138                 | 0.04           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 26297   | Amlin - Sumac No. 2                                | 766               | 898              | 970               | 1069             | 138   | 138                 | 0.04           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 29178   | Anguin - Babbitt #1                                | 996               | 996              | 1183              | 1183             | 138   | 138                 | 1.60           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 29179   | Anguin - Babbitt #2                                | 996               | 996              | 1183              | 1183             | 138   | 138                 | 1.68           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 29817   | Astor - Brice                                      | 216               | 216              | 272               | 272              | 138   | 138                 | 0.65           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 26319   | Azalea - Leesville                                 | 537               | 537              | 566               | 566              | 138   | 138                 | 1.35           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 24231   | Azalea - Yager                                     | 296               | 413              | 375               | 464              | 138   | 138                 | 4.26           | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 27897   | Babbitt - Jug Street                               | 564               | 747              | 712               | 858              | 138   | 138                 | 2.03           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 35360   | Babbitt - Jug Street                               | 1409              | 1868             | 1781              | 2144             | 345   | 345                 | 2.15           | 150/150                | Steel Pole  | 1                  | 1         |                         |
| 20758   | Babbitt - Kirk                                     | 564               | 747              | 712               | 858              | 138   | 138                 | 10.68          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 35358   | Babbitt - Kirk                                     | 1409              | 1868             | 1781              | 2144             | 345   | 345                 | 10.20          | 150/150                | Steel Pole  | 1                  | 1         |                         |
| 11337   | Beatty Road - Bolton                               | 223               | 223              | 281               | 281              | 138   | 138                 | 0.14           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 26137   | Belpre - Corner                                    | 148               | 148              | 187               | 187              | 138   | 138                 | 5.88           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 22497   | Beverly - Holloway                                 | 971               | 971              | 1234              | 1234             | 345   | 345                 | 0.63           | 150/150                | Steel Pole  | 1                  | 1         |                         |
| 2804  | Bexley - Groves                                    | 335               | 392              | 424               | 466              | 138   | 138                 | 4.43           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 21617   | Biers Run - Bixby                                  | 1409              | 1655             | 1781              | 1967             | 345   | 345                 | 0.05           | 150/150                | Steel Tower   | 1                  | 1         |                         |
| 24218   | Biers Run - Circleville                            | 389               | 559              | 493               | 623              | 138   | 138                 | 19.00          | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 22597   | Biers Run - Delano                                 | 383               | 449              | 485               | 534              | 138   | 138                 | 9.95           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 21618   | Biers Run - Don Marquis                            | 1409              | 1409             | 1781              | 1781             | 345   | 345                 | 0.07           | 150/150                | Wood Pole   | 1                  | 1         |                         |
| 658   | Bixby - Groves Road No. 1                          | 145               | 145              | 183               | 183              | 138   | 138                 | 4.30           | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 2331  | Bixby - Groves Road No. 2                          | 335               | 392              | 424               | 466              | 138   | 138                 | 4.32           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 20738   | Bixby - Ohio Central                               | 1409              | 1887             | 1781              | 2144             | 345   | 345                 | 2.36           | 150/150                | Wood Pole   | 1                  | 1         |                         |
| 593   | Bixby - West Lancaster                             | 296               | 413              | 375               | 464              | 138   | 138                 | 19.07          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 16797   | Blue Creek - Maddox Creek                          | 2365              | 2826             | 3016              | 3363             | 345   | 345                 | 0.03           | 150/150                | Steel Tower   | 1                  | 1         |                         |
| 24803   | Blue Racer - Herlan                                | 296               | 413              | 375               | 464              | 138   | 138                 | 3.24           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 20577   | Blue Racer - Summerfield                           | 293               | 341              | 370               | 406              | 138   | 138                 | 3.35           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 20578   | Blue Racer - Texas Eastern                         | 95                | 95               | 95                | 95               | 138   | 138                 | 0.18           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 26757   | Bolton - Hall                                      | 223               | 223              | 281               | 281              | 138   | 138                 | 0.12           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 29818   | Brice - Groves - Shannon                           | 216               | 216              | 272               | 272              | 138   | 138                 | 0.53           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 24900   | Britton - Davidson #2                              | 296               | 398              | 375               | 452              | 138   | 138                 | 0.86           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 27980   | Buell - Devola                                     | 296               | 413              | 375               | 464              | 138   | 138                 | 5.60           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 27978   | Buell - Macksburg                                  | 296               | 413              | 375               | 464              | 138   | 138                 | 9.22           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 23297   | Canton Central - Stemple Switch                    | 1409              | 1409             | 1781              | 1781             | 345   | 345                 | 0.44           | 150/150                | Wood Pole   | 1                  | 1         |                         |
| 628   | Circleville - Harrison #1                          | 323               | 451              | 408               | 506              | 138   | 138                 | 15.25          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 25137   | Circleville - Harrison #2                          | 323               | 451              | 408               | 506              | 138   | 138                 | 15.23          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 637   | Circleville - Scippo                               | 358               | 358              | 358               | 358              | 138   | 138                 | 2.69           | 100/100                | Steel Pole  | 1                  | 1         |                         |



PUCO Form FE-T7:  
AEP OHIO TRANSMISSION COMPANY  
Characteristics of Existing Transmission Lines

| Transmission Name & Line No. <sup>a</sup>     | Point of (Origin - Terminus)                       | Summer Capability |                  | Winter Capability |                  | Operating Voltage (kV)                                      | Design Voltage (kV) | Right-of-Way   |                        | Type of Supporting Structure  | Number of Circuits |           | Substations on the Line |
|---|--|-------------------|------------------|-------------------|------------------|---|---------------------|----------------|------------------------|---|--------------------|-----------|-------------------------|
| List Each Transmission Line of 125 kV or More | Indicate Location of Line's Beginning and Terminus | Normal Rating     | Emergency Rating | Normal Rating     | Emergency Rating | Indicate Design Voltage and Operating Voltage For Each Line |                     | Length (Miles) | Width Max./Min. (feet) | Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure | Design             | Installed | Substation Name         |
| 10117   | City of Jackson - Lick                             | 43                | 43               | 54                | 43               | 138   | 138                 | 0.67           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 26337   | Clouse - West Lancaster                            | 167               | 167              | 210               | 210              | 138   | 138                 | 0.09           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 26338   | Clouse - Zanesville                                | 150               | 167              | 189               | 210              | 138   | 138                 | 0.08           | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 33397   | Cole - Hayden                                      | 564               | 683              | 712               | 812              | 138   | 138                 | 8.55           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 20737   | Conesville - Ohio Central                          | 1409              | 1887             | 1781              | 2144             | 345   | 345                 | 2.34           | 150/150                | Steel Pole  | 1                  | 1         |                         |
| 677   | Corridor - Gahanna                                 | 335               | 392              | 424               | 466              | 138   | 138                 | 1.38           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 15237   | Corridor - Jug Street                              | 1370              | 1503             | 1779              | 1793             | 345   | 345                 | 6.38           | 150/150                | Steel Pole  | 1                  | 1         |                         |
| 30798   | Corridor - Jug Street                              | 747               | 747              | 926               | 926              | 138   | 138                 | 6.62           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 18637   | Corridor - Vassell No. 1                           | 1409              | 1472             | 1781              | 1826             | 345   | 345                 | 0.38           | 150/150                | Steel Tower   | 1                  | 1         |                         |
| 18638   | Corridor - Vassell No. 2                           | 1409              | 1887             | 1781              | 2144             | 345   | 345                 | 0.37           | 150/150                | Steel Tower   | 1                  | 1         |                         |
| 22417   | Corwin - Elk                                       | 219               | 255              | 277               | 303              | 138   | 138                 | 17.88          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 27081   | Corwin - Rhodes                                    | 200               | 254              | 253               | 293              | 138   | 138                 | 1.10           | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 694   | Crooksville - North Newark                         | 128               | 128              | 161               | 161              | 138   | 138                 | 0.41           | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 31419   | Culbertson - Ohio Central                          | 205               | 284              | 258               | 320              | 138   | 138                 | 0.52           | 100/100                | Steel Pole  | 1                  | 1         | EAST POINT              |
| 31418   | Culbertson - Philo                                 | 205               | 284              | 258               | 320              | 138   | 138                 | 0.52           | 100/100                | Steel Pole  | 1                  | 1         | EAST ZANESVILLE         |
| 21641   | Delano - Delano Road Co-op (SCP)                   | 200               | 254              | 253               | 293              | 138   | 138                 | 0.05           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 627   | Delano - Kenworth - Ross                           | 200               | 254              | 253               | 293              | 138   | 138                 | 4.69           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 24219   | Delano - Ross 2                                    | 323               | 449              | 408               | 506              | 138   | 138                 | 4.69           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 25938   | Delano - Tuscany                                   | 383               | 449              | 485               | 534              | 138   | 138                 | 11.00          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 19358   | Delaware - Vassell                                 | 338               | 456              | 427               | 517              | 138   | 138                 | 1.51           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 32918   | Devola - Gorsuch                                   | 248               | 282              | 313               | 356              | 138   | 138                 | 0.14           | 100/100                | Steel Pole  | 1                  | 1         | HARMAR HILL             |
| 29364   | Devola - Lamping                                   | 257               | 360              | 325               | 404              | 138   | 138                 | 15.56          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 32917   | Devola - Mill Creek                                | 240               | 309              | 313               | 358              | 138   | 138                 | 0.41           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 25199   | Dexter - Elliott - Lemaster                        | 223               | 310              | 281               | 349              | 138   | 138                 | 3.20           | 100/100                | Steel Pole  | 1                  | 1         | ROSEWOOD SWITCH         |
| 28478   | Dilles Bottom - George Washington #1               | 608               | 608              | 641               | 641              | 138   | 138                 | 0.20           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 31978   | Dilles Bottom - Holloway #1                        | 557               | 608              | 630               | 641              | 138   | 138                 | 0.20           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 27118   | Duck Creek - Levee                                 | 282               | 282              | 356               | 356              | 138   | 138                 | 0.09           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 30777   | East Amsterdam - June Road                         | 195               | 220              | 216               | 239              | 138   | 138                 | 0.12           | 100/100                | Steel Pole  | 1                  | 1         | PANDA ROAD SWITCH       |
| 30357   | East Broad Street - Mink                           | 240               | 309              | 317               | 367              | 138   | 138                 | 0.05           | 100/100                | Steel Tower   | 1                  | 1         | TAYLOR                  |
| 28877   | East Leipsic - Newbery                             | 287               | 337              | 363               | 400              | 138   | 138                 | 0.56           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 17717   | East Lima - Yellow Creek                           | 145               | 145              | 183               | 183              | 138   | 138                 | 0.39           | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 25200   | Elk - Lemaster                                     | 200               | 200              | 253               | 253              | 138   | 138                 | 20.66          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 22219   | Firebrick - Gavin                                  | 185               | 185              | 234               | 234              | 138   | 138                 | 0.04           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 22220   | Firebrick - Millbrook                              | 185               | 185              | 234               | 234              | 138   | 138                 | 0.02           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 24229   | Freebyrd - Nottingham                              | 296               | 413              | 375               | 464              | 138   | 138                 | 4.87           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 26538   | Freebyrd - South Cadiz                             | 205               | 205              | 258               | 258              | 138   | 138                 | 3.69           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 709   | Fremont Center - Tiffin Center #1                  | 283               | 396              | 357               | 444              | 138   | 138                 | 12.59          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 21397   | Fremont Center - Tiffin Center #2                  | 283               | 396              | 357               | 444              | 138   | 138                 | 12.59          | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 25558   | Gable SW - South Cadiz                             | 185               | 185              | 234               | 234              | 138   | 138                 | 0.94           | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 25559   | Gable SW - Tidd                                    | 287               | 337              | 363               | 400              | 138   | 138                 | 5.76           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 18657   | Gahanna - West Millersport                         | 219               | 255              | 277               | 303              | 138   | 138                 | 1.22           | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 28458   | Gay Street - Reaver                                | 223               | 307              | 272               | 315              | 138   | 138                 | 0.13           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 31838   | Gemini - Gristmill                                 | 257               | 360              | 325               | 404              | 138   | 138                 | 4.11           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 28482   | George Washington - Holloway                       | 473               | 572              | 534               | 641              | 138   | 138                 | 0.20           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 22524   | George Washington - Kammer North                   | 446               | 446              | 539               | 563              | 138   | 138                 | 6.76           | 100/100                | Steel Tower   | 1                  | 1         |                         |
| 29457   | Glencoe - West Bellaire                            | 296               | 413              | 375               | 464              | 138   | 138                 | 5.67           | 100/100                | Steel Pole  | 1                  | 1         |                         |
| 4942  | Globe Metal - Muskingum River                      | 167               | 167              | 210               | 210              | 138   | 138                 | 0.35           | 100/100                | Steel Pole  | 1                  | 1         | MUSKINGUM RIVER 138KV   |
| 22942   | Greenlawn - Melmore                                | 257               | 360              | 325               | 404              | 138   | 138                 | 4.92           | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 710   | Greenlawn - Tiffin Center                          | 257               | 360              | 325               | 404              | 138   | 138                 | 2.36           | 100/100                | Wood Pole   | 1                  | 1         |                         |
| 33217   | Guernsey - Kammer                                  | 4047              | 4142             | 4484              | 4961             | 765   | 765                 | 0.33           | 200/200                | Steel Tower   | 1                  | 1         |                         |
| 33218   | Guernsey - Vassell                                 | 5395              | 5523             | 5978              | 6614             | 765   | 765                 | 0.29           | 200/200                | Steel Tower   | 1                  | 1         |                         |

PUCO Form FE-T7:  
AEP OHIO TRANSMISSION COMPANY  
Characteristics of Existing Transmission Lines

| Transmission Name & Line No. <sup>a</sup>     | Point of (Origin - Terminus)                       | Summer Capability |                  | Winter Capability |                  | Operating Voltage (kV)                                      | Design Voltage (kV) | Right-of-Way   |                        | Type of Supporting Structure  | Number of Circuits |           | Substations on the Line  |
|---|--|-------------------|------------------|-------------------|------------------|---|---------------------|----------------|------------------------|---|--------------------|-----------|--------------------------|
| List Each Transmission Line of 125 kV or More | Indicate Location of Line's Beginning and Terminus | Normal Rating     | Emergency Rating | Normal Rating     | Emergency Rating | Indicate Design Voltage and Operating Voltage For Each Line |                     | Length (Miles) | Width Max./Min. (feet) | Steel Towers, Wood Poles or Underground, etc. and Number of Miles of the Line of Each Structure | Design             | Installed | Substation Name          |
| 25201   | Harrison (Csp) - Lemaster                          | 196               | 247              | 248               | 286              | 138   | 138                 | 24.92          | 100/100                | Wood Pole   | 1                  | 1         |                          |
| 16677   | Haviland - Timber Switch                           | 187               | 240              | 247               | 285              | 138   | 138                 | 8.56           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 21117   | Highland (CSP) - Hillsboro                         | 296               | 413              | 375               | 464              | 138   | 138                 | 7.50           | 100/100                | Wood Pole   | 1                  | 1         |                          |
| 21678   | Highland (CSP) - Seaman                            | 195               | 220              | 216               | 239              | 138   | 138                 | 3.07           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 25198   | Hocking - Lemaster                                 | 223               | 223              | 281               | 281              | 138   | 138                 | 15.68          | 100/100                | Steel Pole  | 1                  | 1         | KIMBERLY                 |
| 10217   | Hocking - West Lancaster                           | 196               | 247              | 248               | 286              | 138   | 138                 | 19.04          | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 19359   | Hyatt - Vassell                                    | 1370              | 1409             | 1779              | 1781             | 345   | 345                 | 0.40           | 150/150                | Steel Tower   | 1                  | 1         |                          |
| 584   | Hyatt (OP) - Marysville                            | 1166              | 1376             | 1481              | 1639             | 345   | 345                 | 0.45           | 150/150                | Steel Tower   | 1                  | 1         |                          |
| 21340   | Jug Street - Smiths Mill                           | 257               | 360              | 325               | 404              | 138   | 138                 | 0.16           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 26957   | June Road - Wagenhals                              | 335               | 392              | 424               | 466              | 138   | 138                 | 0.12           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 29363   | Kammer - Lamping                                   | 971               | 971              | 1234              | 1234             | 345   | 345                 | 0.19           | 150/150                | Steel Pole  | 1                  | 1         |                          |
| 621   | Kenny - Roberts                                    | 213               | 313              | 221               | 328              | 138   | 138                 | 1.01           | 100/100                | Underground   | 1                  | 1         |                          |
| 27882   | Kirk - Mink  | 338               | 338              | 427               | 427              | 138   | 138                 | 0.05           | 100/100                | Steel Tower   | 1                  | 1         |                          |
| 29362   | Lamping - Muskingum                                | 915               | 971              | 1158              | 1234             | 345   | 345                 | 0.45           | 150/150                | Steel Pole  | 1                  | 1         |                          |
| 24232   | Leesville - Yager                                  | 296               | 413              | 375               | 464              | 138   | 138                 | 3.96           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 25197   | Lemaster - Ross                                    | 195               | 220              | 216               | 239              | 138   | 138                 | 42.86          | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 27082   | Lick - Rhodes                                      | 219               | 238              | 238               | 238              | 138   | 138                 | 4.23           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 24385   | Logtown - North Delphos                            | 296               | 413              | 375               | 464              | 138   | 138                 | 8.61           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 27817   | Macksburg - South Caldwell                         | 296               | 413              | 375               | 464              | 138   | 138                 | 4.79           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 19357   | Maliszewski - Vassell                              | 4142              | 4142             | 5133              | 5133             | 765   | 765                 | 0.85           | 200/200                | Steel Pole  | 1                  | 1         |                          |
| 34618   | Marysville - Peoria                                | 1255              | 1374             | 1255              | 1374             | 345   | 345                 | 0.17           | 150/150                | Steel Pole  | 1                  | 1         |                          |
| 28457   | McComb - Reaver                                    | 223               | 310              | 281               | 315              | 138   | 138                 | 0.14           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 21398   | Melmore - Tiffin Center                            | 299               | 423              | 379               | 474              | 138   | 138                 | 7.25           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 28899   | Miles Avenue - South Canton                        | 219               | 255              | 277               | 303              | 138   | 138                 | 0.02           | 100/100                | Steel Pole  | 1                  | 1         | NEGLEY, REEDURBAN        |
| 28898   | Miles Avenue - West Canton                         | 219               | 255              | 277               | 303              | 138   | 138                 | 0.05           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 24361   | Muskingum River - South Caldwell #2                | 205               | 284              | 258               | 320              | 138   | 138                 | 0.80           | 100/100                | Steel Tower   | 1                  | 1         |                          |
| 21357   | Muskingum River - Wolf Creek                       | 323               | 449              | 408               | 478              | 138   | 138                 | 4.75           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 28878   | Newbery - Yellow Creek                             | 296               | 413              | 375               | 464              | 138   | 138                 | 0.58           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 22397   | North Bellville - Ohio Central                     | 145               | 180              | 183               | 187              | 138   | 138                 | 0.72           | 100/100                | Wood Pole   | 1                  | 1         | MILLWOOD                 |
| 24279   | North Delphos - Sterling                           | 167               | 167              | 210               | 210              | 138   | 138                 | 0.07           | 100/100                | Wood Pole   | 1                  | 1         | EAST SIDE (OP)           |
| 22537   | Ohio Central - Philo #2                            | 136               | 173              | 179               | 206              | 138   | 138                 | 0.70           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 17137   | OSU - West Campus                                  | 323               | 409              | 323               | 409              | 138   | 138                 | 1.13           | 100/100                | Underground   | 1                  | 1         |                          |
| 17138   | Roberts - West Campus                              | 324               | 434              | 324               | 466              | 138   | 138                 | 5.55           | 100/100                | Wood Pole   | 1                  | 1         |                          |
| 31738   | Sardinia - Wildcat                                 | 185               | 185              | 234               | 234              | 138   | 138                 | 3.78           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 670   | Scioto Trail - Scippo                              | 150               | 191              | 197               | 227              | 138   | 138                 | 1.42           | 100/100                | Wood Pole   | 1                  | 1         |                          |
| 25939   | Scioto Trail - Tuscan                              | 223               | 310              | 281               | 349              | 138   | 138                 | 1.97           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 24359   | South Caldwell - Steamtown                         | 205               | 284              | 258               | 320              | 138   | 138                 | 0.06           | 100/100                | Wood Pole   | 1                  | 1         |                          |
| 748   | South Kenton - West Mount Vernon                   | 143               | 143              | 143               | 143              | 138   | 138                 | 30.88          | 100/100                | Steel Pole  | 1                  | 1         | NORTH WALDO, FULTON (OP) |
| 19398   | Steamtown - Summerfield                            | 205               | 284              | 258               | 320              | 138   | 138                 | 0.84           | 100/100                | Steel Pole  | 1                  | 1         |                          |
| 25279   | Stemple - Tidd                                     | 1409              | 1409             | 1781              | 1781             | 345   | 345                 | 0.44           | 150/150                | Steel Tower   | 1                  | 1         |                          |
| 18299   | Ware Road - Waverly                                | 150               | 150              | 189               | 189              | 138   | 138                 | 4.60           | 100/100                | Steel Pole  | 1                  | 1         |                          |

PUCO FORM FE-T8:  
AEP OHIO TRANSMISSION COMPANY  
Summary of Existing Substations on Transmission Lines

| Substation Name | Type<br>Distribution<br>(D)<br>Transmission<br>(T) | Voltage(s)<br>(kV) | Line Association (FE3-T7 or FE3-T9 Notation) | Line Existing<br>or Proposed |
|-----------------|--|--------------------|--|------------------------------|
| ANGUIN          | T  | 138                | Anguin - Babbitt #1                          | E                            |
| ANGUIN          | T  | 138                | Anguin - Babbitt #2                          | E                            |
| APPLE VALLEY SW | T  | 138                | Academia - North Lexington                   | E                            |
| AZALEA SWITCH   | T  | 138                | Azalea - Yager                               | E                            |
| AZALEA SWITCH   | T  | 138                | Azalea - Leesville                           | E                            |
| BABBITT         | T  | 138                | Babbitt - Jug                                | E                            |
| BABBITT         | T  | 138                | Babbitt - Kirk                               | E                            |
| BERRYWOOD       | T  | 138                | Berrywood - Berkshire                        | E                            |
| BERRYWOOD       | T  | 138                | Berrywood - Delaware                         | E                            |
| BIERS RUN       | T  | 345                | Biers Run - Bixby                            | E                            |
| BIERS RUN       | T  | 138                | Biers Run - Circleville                      | E                            |
| BIERS RUN       | T  | 138                | Biers Run - Delano                           | E                            |

PUCO FORM FE-T8:  
AEP OHIO TRANSMISSION COMPANY  
Summary of Existing Substations on Transmission Lines

|             |   |     |                                  |   |
|-------------|---|-----|----------------------------------|---|
| BIERS RUN   | T | 345 | Biers Run - Don Marquis          | E |
| BLUE RACER  | T | 138 | Blue Racer - Herlan              | E |
| BLUE RACER  | T | 138 | Blue Racer - SCP Co-op           | E |
| BLUE RACER  | T | 138 | Blue Racer - Summerfield         | E |
| BLUE RACER  | T | 138 | Blue Racer - Texas Eastern       | E |
| BOUTWELL    | T | 138 | Boutwell - East Lima             | P |
| BOUTWELL    | T | 138 | Boutwell - New Liberty           | P |
| BRITTON     | T | 138 | Britton-Dublin                   | E |
| BRITTON     | T | 138 | Britton-Davidson #1              | E |
| BRITTON     | T | 138 | Britton-Davidson #2              | E |
| CLOUSE      | T | 138 | Clouse - West Lancaster          | E |
| CLOUSE      | T | 138 | Clouse - Zanesville              | E |
| COLE 345 kV | T | 345 | Amlin - Cole                     | E |
| CULBERTSON  | T | 138 | Culbertson - Philo 138 kV        | E |
| CULBERTSON  | T | 138 | Culbertson - Ohio Central 138 kV | E |
| DEVOLA      | T | 138 | Devola - Mill Creek 138 kV       | E |
| DEVOLA      | T | 138 | Devola - Gorsuch 138 kV          | E |
| EBERSOLE    | T | 138 | Ebersole - Findlay Center        | E |
| EBERSOLE    | T | 138 | Ebersole - Fostoria Central #1   | E |
| EBERSOLE    | T | 138 | Ebersole - Fostoria Central #2   | E |
| EBERSOLE    | T | 138 | Ebersole - New Liberty           | E |
| EBERSOLE    | T | 138 | Ebersole - North Findlay         | E |

PUCO FORM FE-T8:  
AEP OHIO TRANSMISSION COMPANY  
Summary of Existing Substations on Transmission Lines

|                 |   |     |                                      |   |
|-----------------|---|-----|--------------------------------------|---|
| EMERALD SWITCH  | T | 138 | *Kenton (LGE-KU) - Wildcat           | E |
| FREEBYRD        | T | 138 | Freebyrd - Nottingham                | E |
| FREEBYRD        | T | 138 | Freebyrd - South Cadiz               | E |
| GABLE SWITCH    | T | 138 | Carrollton - Gable SW                | E |
| GABLE SWITCH    | T | 138 | Gable SW - South Cadiz               | E |
| GABLE SWITCH    | T | 138 | Gable SW - Tidd                      | E |
| GEMINI          | T | 138 | Gemini - Gristmill                   | P |
| GEMINI          | T | 138 | Semini - West Moulton                | P |
| GOOD HOPE SW    | T | 138 | Harrison (Csp) - Lemaster            | E |
| GRISTMILL       | T | 345 | Gristmill - Shelby 345 kV            | E |
| GRISTMILL       | T | 345 | Gristmill - Southwest Lima 345 kV    | E |
| GRISTMILL       | T | 345 | GEMINI - GRISTMILL 138 kV            | E |
| GUERNSEY        | T | 765 | Guernsey - Guernsey (IPP)            | E |
| GUERNSEY        | T | 765 | Guernsey - Kammer                    | E |
| GUERNSEY        | T | 765 | Guernsey - Vassell                   | E |
| GUNN ROAD       | T | 345 | Gunn Road - Hardin Switch            | E |
| GUNN ROAD       | T | 345 | Gunn Road - Marysville               | E |
| HERLAN SWITCH   | T | 138 | Blue Racer - Herlan                  | E |
| HERLAN SWITCH   | T | 138 | Herlan - Natrium #1                  | E |
| HERLAN SWITCH   | T | 138 | Herlan - Natrium #2                  | E |
| HERLAN SWITCH   | T | 138 | Herlan - South Caldwell              | E |
| HERLAN SWITCH   | T | 138 | Herlan - Summerfield                 | E |
| HOLLOWAY        | T | 345 | Beverly - Holloway                   | E |
| HOLLOWAY        | T | 345 | Holloway - Tidd                      | E |
| IRONWOOD SWITCH | T | 138 | Bellefonte - East Wheelersburg       | E |
| JUNE ROAD       | T | 138 | June Road - Wagenhals                | E |
| JUNE ROAD       | T | 138 | Tidd - June Road                     | E |
| LAMPING - TR    | T | 345 | Kammer - Lamping                     | E |
| LAMPING - TR    | T | 345 | Lamping - Muskingum                  | E |
| LEMASTER        | T | 138 | Crooksville - Lemaster - Strouds Run | E |

PUCO FORM FE-T8:  
AEP OHIO TRANSMISSION COMPANY  
Summary of Existing Substations on Transmission Lines

|                      |   |     |   |   |
|----------------------|---|-----|---|---|
| LEMASTER             | T | 138 | Dexter Sw. - Elliott - Lemaster         | E |
| LEMASTER             | T | 138 | Elk - Lemaster                          | E |
| LEMASTER             | T | 138 | Harrison - Lemaster                     | E |
| LEMASTER             | T | 138 | Hocking - Lemaster                      | E |
| LEMASTER             | T | 138 | Lemaster - Ross                         | E |
| LOGTOWN              | T | 138 | Allen - Logtown                         | E |
| LOGTOWN              | T | 138 | Logtown - North Delphos                 | E |
| MADDOX CREEK         | T | 345 | Blue Creek - Maddox Creek               | E |
| MADDOX CREEK         | T | 345 | East Lima - Maddox Creek                | E |
| MADDOX CREEK         | T | 345 | Maddox Creek - RP Mone                  | E |
| MELMORE              | T | 138 | Fostoria Central - Melmore              | E |
| MELMORE              | T | 138 | Greenlawn - Melmore                     | E |
| MELMORE              | T | 138 | Howard - Melmore #1                     | E |
| MELMORE              | T | 138 | Melmore - Tiffin Center                 | E |
| MELMORE              | T | 138 | Melmore - West End Fostoria             | E |
| MELMORE              | T | 138 | Howard - Melmore #2                     | E |
| MINERAL SW           | T | 138 | Elk - Lemaster                          | E |
| NEVILLE SWITCH       | T | 138 | Scioto Trail (CSP) - Tuscany            | E |
| NEW MARKET SWITCH    | T | 138 | Highland (CSP) - Seaman                 | E |
| NEWBERY              | T | 138 | Newbery - Yellow Creek                  | E |
| NOTTINGHAM SWITCH    | T | 138 | Freebyrd - Nottingham                   | E |
| PARLETT SW           | T | 138 | Blackhawk - Dillonvale - Sparrow Switch | E |
| RENO SWITCH          | T | 138 | Belmont (FE) - Levee 138 kV             | E |
| RHODES               | T | 138 | Lick-Corwin                             | E |
| ROBERT P. MONE       | T | 345 | Allen - RP Mone                         | E |
| ROBERT P. MONE       | T | 345 | Maddox Creek - RP Mone                  | E |
| ROSEWOOD SWITCH - TR | T | 138 | Dexter - Elliott - Lemaster             | E |
| SOUTH OLIVE SWITCH   | T | 138 | Macksburg - South Caldwell              | E |
| STEAMTOWN            | T | 138 | *Steamtown - Steamtown (Markwest) #1    | E |
| STEAMTOWN            | T | 138 | *Steamtown - Steamtown (Markwest) #2    | E |

PUCO FORM FE-T8:  
AEP OHIO TRANSMISSION COMPANY  
Summary of Existing Substations on Transmission Lines

|                |   |     |                                      |   |
|----------------|---|-----|--------------------------------------|---|
| STEAMTOWN      | T | 138 | *Steamtown - Steamtown (Markwest) #3 | E |
| STEAMTOWN      | T | 138 | *Steamtown - Steamtown (Markwest) #4 | E |
| STEAMTOWN      | T | 138 | South Caldwell - Steamtown           | E |
| STEAMTOWN      | T | 138 | Steamtown - Summerfield              | E |
| STEMPLE SWITCH | T | 345 | Canton Central - Stemple Switch      | E |
| STEMPLE SWITCH | T | 345 | Tidd - Stemple                       | E |
| SUMAC 138KV    | T | 138 | Amlin - Sumac #2                     | E |
| SUMAC 138KV    | T | 138 | Amlin - Sumac #1                     | E |
| SUNDAY SWITCH  | T | 138 | Crooksville - Lemaster - Strouds Run | E |
| TIMBER ROAD SS | T | 138 | Allen - Timber Switch 138kV          | E |
| TIMBER ROAD SS | T | 138 | Haviland - Timber Switch 138kV       | E |
| TIMBER ROAD SS | T | 138 | Timber Road #2 - Timber Switch 138kV | E |
| TUSCANY        | T | 138 | Delano - Tuscany                     | E |
| TUSCANY        | T | 138 | Scioto Trail (CSP) - Tuscany         | E |
| VASSELL        | T | 345 | Corridor - Vassell #1                | E |
| VASSELL        | T | 345 | Corridor - Vassell #2                | E |
| VASSELL        | T | 138 | Delaware - Vassell                   | E |
| VASSELL        | T | 345 | Hyatt - Vassell                      | E |
| VASSELL        | T | 765 | Kammer - Vassell                     | E |
| VASSELL        | T | 765 | Maliszewski - Vassell                | E |
| WAKATOMIKA SW  | T | 138 | North Bellville - Ohio Central       | E |
| WARE ROAD      | T | 138 | Adams - Ware Road                    | E |
| WARE ROAD      | T | 138 | Ware Road - Waverly                  | E |
| YAGER          | T | 138 | Azalea - Yager                       | E |
| YAGER          | T | 138 | Leesville - Yager                    | E |
| YELLOW CREEK   | T | 138 | East Leipsic - Yellow Creek          | E |
| YELLOW CREEK   | T | 138 | East Lima - Yellow Creek             | E |
| VASSELL        | T | 138 | Delaware - Vassell                   | E |
| VASSELL        | T | 345 | Hyatt - Vassell                      | E |
| VASSELL        | T | 765 | Kammer - Vassell                     | E |

PUCO FORM FE-T8:  
AEP OHIO TRANSMISSION COMPANY  
Summary of Existing Substations on Transmission Lines

|               |   |     |                                |   |
|---------------|---|-----|--------------------------------|---|
| VASSELL       | T | 765 | Maliszewski - Vassell          | E |
| WAKATOMIKA SW | T | 138 | North Bellville - Ohio Central | E |
| WARE ROAD     | T | 138 | Adams - Ware Road              | E |
| WARE ROAD     | T | 138 | Ware Road - Waverly            | E |
| YAGER         | T | 138 | Azalea - Yager                 | E |
| YAGER         | T | 138 | Leesville - Yager              | E |
| YELLOW CREEK  | T | 138 | East Leipsic - Yellow Creek    | E |
| YELLOW CREEK  | T | 138 | East Lima - Yellow Creek       | E |



PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|     |  |  |
|-----|--|--|
| 1.  | LINE NAME AND NUMBER:                                      | Cole - Galloway 69kV (s2063), TP2017100                                  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Cole, Galloway; INTERMEDIATE STATION - N/A                               |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 1.11 miles / 60 ft / 1 circuit (of new construction)                     |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2019-2022  |
| 7.  | CAPITAL INVESTMENT:  | \$71M, Total   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated structures on the line                              |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Violations will remain.  |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Parlett Switch - Sparrow Switch 69kV (s2007), TP2019007                  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Parlett Switch, Sparrow Switch; INTERMEDIATE STATION - N/A               |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 7.7 miles / 100 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2019-2022  |
| 7.  | CAPITAL INVESTMENT:  | \$25M, Total   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A |
| 9.  | SUPPORTING STRUCTURES:                                     | N/A  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|     |  |   |
|-----|--|---|
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Serve existing and new load in the area, including nearby shale gas related load.                                     |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Old line will continue to deteriorate and reliability will begin to suffer.   |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | South Cadiz - Sparrow Switch 69kV (s2007), TP2019007  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | South Cadiz, Sparrow Switch; INTERMEDIATE STATION - East Cadiz Switch, Cadiz  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.0 miles / 100 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2019-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$25M, Total  |
| 8.  | PLANNED SUBSTATION:  | NAME - East Cadiz Switch; TRANSMISSION VOLTAGE - 138kV / 69kV; ACREAGE - 0.25; LOCATION - Cadiz, Ohio                 |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Serve existing and new load in the area, including nearby shale gas related load.                                     |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Old line will continue to deteriorate and reliability will begin to suffer.   |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Beartown - Moreland Sw. (s2140) TP2019009   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Beartown, Moreland Switch; INTERMEDIATE STATION - W. Wilmont Junction Switch, Billiar, North Fredericksburg, Moreland |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 10.6 miles / unknown width / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|     |  |   |
|-----|--|---|
| 6.  | CONSTRUCTION:  | 2019-2021   |
| 7.  | CAPITAL INVESTMENT:  | \$24.4M, Total  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                               |
| 9.  | SUPPORTING STRUCTURES:                                     | TBD   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated facilities.  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Old line will continue to deteriorate and reliability will begin to suffer                          |
| 13. | MISCELLANEOUS:   | Only part of the circuit is getting rebuilt as part of TP2019009.                                   |
| 1.  | LINE NAME AND NUMBER:                                      | Findlay - Findlay Center (s2155), TP2018116   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Findlay, Findlay Center; INTERMEDIATE STATION - East Lincoln Switch                                 |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3.5 miles / unknown width / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2019-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$5.7M, Total   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                               |
| 9.  | SUPPORTING STRUCTURES:                                     | TBD   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated facilities. Alleviate thermal and voltage violations.                          |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Old line will continue to deteriorate and reliability will begin to suffer. Violations will remain. |
| 13. | MISCELLANEOUS:   | Part of TP2018116   |
| 1.  | LINE NAME AND NUMBER:                                      | Glencoe - Robyville (S2147) TP2019024   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|     |  |   |
|-----|--|---|
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Glencoe, Robyville; INTERMEDIATE STATION - St. Clairsville, Hess, Provident Rd Switch, Highland Terrace, Shepherdstown, Harrisville Switch                              |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 12.5 miles / unknown width / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2019-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$20M, Total  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | TBD   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated facilities.  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Old line will continue to deteriorate and reliability will begin to suffer  |
| 13. | MISCELLANEOUS:   | Most of the circuit (but not all) is getting rebuilt as part of TP2019023 and TP2019024. Other project/s are expected to address the remaining portions of the circuit. |
| 1.  | LINE NAME AND NUMBER:                                      | Glencoe - Somerton 69kV (s2003), TP2019005  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Glencoe / Somerton; INTERMEDIATE STATION - Pipe Creek, Norton, Alledonia, Beallsville, Captina, Danford, Mt. Orb  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 22 mi / 60 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A (69kV)  |
| 6.  | CONSTRUCTION:  | 2020-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$40M   |

PUCO FORM FE-T9  
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| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Single-circuit steel poles   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild aging infrastructure; improve system reliability   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Continued poor reliability and outages to customers  |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Sunnyside - Torrey 138kV (pending)   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Sunnyside / Torrey; INTERMEDIATE STATION - Warner Switch   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 4.3 mi / 100 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | LON 2022   |
| 6.  | CONSTRUCTION:  | 2022-2028  |
| 7.  | CAPITAL INVESTMENT:  | \$10M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Single-circuit steel poles   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild aging infrastructure; improve system reliability   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Potential for increased transmission line outages  |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Glencoe - Robyville 69kV (S2147) TP2019024   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Glencoe / Robyville; INTERMEDIATE STATION - St. Clairsville, Provident, Highland Terrace, Shephardstown, Pleasant Grove, St. Clairsville Municipal |

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| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 17 mi / 60 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A (69kV)   |
| 6.  | CONSTRUCTION:  | 2021-2024  |
| 7.  | CAPITAL INVESTMENT:  | \$45M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A |
| 9.  | SUPPORTING STRUCTURES:                                     | Single-circuit steel poles   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild aging infrastructure; improve system reliability                 |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Continued poor reliability and outages to customers                      |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Blackhawk - Parlett 69kV (s2004), TP2019013                              |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Blackhawk / Parlett; INTERMEDIATE STATION - Hopedale                     |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.5 mi / 100 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2020-2022  |
| 7.  | CAPITAL INVESTMENT:  | \$4.5M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A |
| 9.  | SUPPORTING STRUCTURES:                                     | Single-circuit steel poles   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild aging infrastructure; improve system reliability                 |

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| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Continued poor reliability and outages to customers                   |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Parlett - Dillonvale 69kV (s2004), TP2019013                          |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Parlett / Dillonvale; INTERMEDIATE STATION - N/A                      |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 9.3 mi / 60 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A (69kV)  |
| 6.  | CONSTRUCTION:  | 2022-2024   |
| 7.  | CAPITAL INVESTMENT:  | \$18M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A |
| 9.  | SUPPORTING STRUCTURES:                                     | Single-circuit steel poles  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild aging infrastructure; improve system reliability              |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Continued poor reliability and outages to customers                   |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | New Lexington - East Logan 69kV circuit (s1866), TP2018156            |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | New Lexington and East Logan; INTERMEDIATE STATION - Shawnee          |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 22.35 miles / 60 ft / 1 circuit                                       |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2021  |
| 7.  | CAPITAL INVESTMENT:  | \$14.1M   |

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| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | N/A  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | The New Lexington - East Logan 69kV circuit exists. Only the New Lexington - Shawnee section (8.55 miles) will be rebuilt. |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | N/A  |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Amlin - Dublin 138kV (b3112), TP2016137  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Amlin, Dublin; INTERMEDIATE STATION - N/A  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3.7 miles / 100 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2020   |
| 6.  | CONSTRUCTION:  | 2019-2022  |
| 7.  | CAPITAL INVESTMENT:  | \$37M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Mitigate anticipated thermal violations due to increase customer load.   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Thermal violations would arise and go unmitigated.   |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Beatty - Madison 69kV (S1493), TP2016134   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Beatty, Madison; INTERMEDIATE STATION - Ballah Switch, 1 customer DP   |



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| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 7-10 miles / 60 ft / 1 circuit (of new construction)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2019-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$14M   |
| 8.  | PLANNED SUBSTATION:  | NAME - Ballah Switch; TRANSMISSION VOLTAGE - 69kV; ACREAGE - 0.25; LOCATION - Columbus, Ohio                          |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Close loop between two radial lines. Rebuild existing deteriorated facilities.  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Radial lines will remain. Rebuild of lines will become much more expensive. Reliability will continue to deteriorate. |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Bethel - Brookside 138kV (b3109), TP2017215   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Bethel, Brookside; INTERMEDIATE STATION - N/A   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.6 miles / 100 ft / 2 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2020  |
| 6.  | CONSTRUCTION:  | 2019-2021   |
| 7.  | CAPITAL INVESTMENT:  | \$18M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Mitigate anticipated thermal violations due to increase customer load.  |

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| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Thermal violations would arise and go unmitigated.                     |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Brookside - Sawmill 138kV (b3109), TP2017215                           |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Brookside, Sawmill; INTERMEDIATE STATION - N/A                         |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.6 miles / 100 ft / 2 circuit, mostly 1 circuit                       |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2020   |
| 6.  | CONSTRUCTION:  | 2019-2021  |
| 7.  | CAPITAL INVESTMENT:  | \$9M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Mitigate anticipated thermal violations due to increase customer load. |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Thermal violations would arise and go unmitigated.                     |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Delaware - Hyatt 138kV (b3105), TP2019118                              |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Delaware, Hyatt; INTERMEDIATE STATION - N/A                            |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 4.3 miles / 100ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2020   |
| 6.  | CONSTRUCTION:  | 2020-2022  |
| 7.  | CAPITAL INVESTMENT:  | \$10M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
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| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Mitigate anticipated thermal violations due to generation retirement.   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Thermal violations would arise and go unmitigated.  |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Harrison - Madison 69kV (S1493), TP2016134  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Harrison, Madison; INTERMEDIATE STATION - Dry Run Switch, Big Darby Switch, 3 customer DP's                                   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 25.5 miles / 60 ft / 1 circuit (of rebuild construction)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2019-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$37M   |
| 8.  | PLANNED SUBSTATION:  | NAME - Dry Run Switch, Big Darby Switch; TRANSMISSION VOLTAGE - 69kV / 69kV; ACREAGE - 0.25 / 0.25; LOCATION - Columbus, Ohio |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Close loop between two radial lines. Rebuild existing deteriorated facilities.  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Radial lines will remain. Rebuild of lines will become much more expensive. Reliability will continue to deteriorate.         |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Marysville - Peoria (DP&L) 345kV (B1570) TP2019114  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Marysville, Peoria; INTERMEDIATE STATION - N/A  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.1 miles / 150 ft / 1 circuit  |

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| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 345kV / 345kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | Possibly LON in 2019-2020  |
| 6.  | CONSTRUCTION:  | 2020   |
| 7.  | CAPITAL INVESTMENT:  | \$5M, Total  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | TBD  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Serve DP&L's requested 345kV / 69kV delivery point   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | DP&L's delivery point won't go in service and baseline violations won't be addressed.  |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Buckley Road - Fremont Center - East End Fostoria (S1614) A16801067  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Buckley Road, Fremont Center, East End Fostoria; INTERMEDIATE STATION - West Allendale Switch, South Allendale Switch, Weaver Switch, Amsden Switch, East End Fostoria |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 15.2 miles / unknown width / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | Full Application   |
| 6.  | CONSTRUCTION:  | 2019-2021  |
| 7.  | CAPITAL INVESTMENT:  | \$20.1M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | TBD  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |

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Specifications of Planned Transmission Lines

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| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated facilities.  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Existing line will continue to deteriorate and reliability will begin to suffer         |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Chatfield - West Shelby (B2791 / S1298) TP2010142                                       |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Chatfield, West Shelby; INTERMEDIATE STATION - New Washington Switch, Hinesville Switch |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 16 miles / 60 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2019-2021   |
| 7.  | CAPITAL INVESTMENT:  | \$20M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated facilities.  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Old line will continue to deteriorate and reliability will begin to suffer.             |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Harpster - La Rue (b2794), TP2018127  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Harpster, La Rue; INTERMEDIATE STATION - Brownstown Tap Switch, Meeker, DeCliff         |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3.3 miles / 60 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |

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| 6.  | CONSTRUCTION:  | 2019-2022  |
| 7.  | CAPITAL INVESTMENT:  | 12M  |
| 8.  | PLANNED SUBSTATION:  | NAME - La Rue; TRANSMISSION VOLTAGE - 138kV; ACREAGE - TBD; LOCATION - TBD   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Alleviate thermal and voltage violations.  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Violations will remain   |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | New Liberty - North Baltimore (b3086), TP2011075   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | New Liberty, North Baltimore; INTERMEDIATE STATION - Liberty Hi Switch (to be renamed Touchtone Switch), Cherry St. Switch |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.5 miles / unknown width / 2 circuit, 5.5 miles / unknown width / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2019-2021  |
| 7.  | CAPITAL INVESTMENT:  | \$10.5M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | TBD  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated facilities. Alleviate thermal and voltage violations.   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Existing line will continue to deteriorate and reliability will begin to suffer. Violations will remain.                   |
| 13. | MISCELLANEOUS:   | Only part of the circuit is getting rebuilt as part of the large TP2011075 project.  |

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| 1.  | LINE NAME AND NUMBER:                                      | New Liberty - North Findlay (b3086) TP2011075  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | New Liberty, North Findlay; INTERMEDIATE STATION - West Melrose  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 1.5 miles / unknown width / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2019-2021  |
| 7.  | CAPITAL INVESTMENT:  | \$4.8M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A                                 |
| 9.  | SUPPORTING STRUCTURES:                                     | TBD  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated facilities. Alleviate thermal and voltage violations.                               |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Existing line will continue to deteriorate and reliability will begin to suffer. Violations will remain. |
| 13. | MISCELLANEOUS:   | Only part of the circuit is getting rebuilt as part of the large TP2011075 project.                      |
| 1.  | LINE NAME AND NUMBER:                                      | New Liberty - Oilers Switch (b3086) TP2011075  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | New Liberty, Oilers Switch; INTERMEDIATE STATION - Harvard Ave Switch, Totten Switch                     |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.9 miles / unknown width / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2019-2021  |
| 7.  | CAPITAL INVESTMENT:  | \$6.8M   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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



PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 13. | MISCELLANEOUS:   | Only part of the circuit is getting rebuilt as part of the large TP2011075 project.                 |
| 1.  | LINE NAME AND NUMBER:                                      | North Findlay - Plaza Street (b2891), TP2018116   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Findlay, Plaza Street; INTERMEDIATE STATION - N/A   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 1.55 miles / unknown width / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2020-2023   |
| 7.  | CAPITAL INVESTMENT:  | \$2.0M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                               |
| 9.  | SUPPORTING STRUCTURES:                                     | TBD   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated facilities. Alleviate thermal and voltage violations.                          |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Old line will continue to deteriorate and reliability will begin to suffer. Violations will remain. |
| 13. | MISCELLANEOUS:   | Only part of the circuit is getting rebuilt as part of TP2018116.                                   |
| 1.  | LINE NAME AND NUMBER:                                      | Plaza Street - Findlay Center (b2891), TP2018116  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Plaza Street, Findlay Center; INTERMEDIATE STATION - East Findlay                                   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 1.77 miles / unknown width / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2020-2023   |
| 7.  | CAPITAL INVESTMENT:  | \$3M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                               |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 9.  | SUPPORTING STRUCTURES:                                     | TBD   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated facilities. Alleviate thermal and voltage violations.                          |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Old line will continue to deteriorate and reliability will begin to suffer. Violations will remain. |
| 13. | MISCELLANEOUS:   | Only part of the circuit is getting rebuilt as part of TP2018116.                                   |
| 1.  | LINE NAME AND NUMBER:                                      | West Shelby - Howard (B2791 / S1298)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | West Shelby, Howard; INTERMEDIATE STATION - N/A   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 1.84 miles / 60 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2019-2021   |
| 7.  | CAPITAL INVESTMENT:  | \$5M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                               |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated facilities.  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Old line will continue to deteriorate and reliability will begin to suffer.                         |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Compton - Oak Hill Switch 69kV (S1511)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Compton Switch / Oak Hill Switch; INTERMEDIATE STATION - N/A  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.8 mi / 60 ft / 2 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A (69kV)   |
| 6.  | CONSTRUCTION:  | 2020-2021  |
| 7.  | CAPITAL INVESTMENT:  | \$2.0M   |
| 8.  | PLANNED SUBSTATION:  | NAME - Compton Switch; TRANSMISSION VOLTAGE - 69kV;<br>ACREAGE - 2; LOCATION - Wooster |
| 9.  | SUPPORTING STRUCTURES:                                     | Double-circuit steel poles   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild overloaded 69kV line   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Real-time overload conditions, reliability risks                                       |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Compton - Schafrath 69kV (S1511)   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Compton Switch / Schafrath Switch; INTERMEDIATE STATION - N/A                          |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.1 mi / 60 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A (69kV)   |
| 6.  | CONSTRUCTION:  | 2021   |
| 7.  | CAPITAL INVESTMENT:  | \$3.0M   |
| 8.  | PLANNED SUBSTATION:  | NAME - Compton Switch; TRANSMISSION VOLTAGE - 69kV;<br>ACREAGE - 2; LOCATION - Wooster |
| 9.  | SUPPORTING STRUCTURES:                                     | Single-circuit steel poles   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild overloaded 69kV line   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Real-time overload conditions, reliability risks                                       |
| 13. | MISCELLANEOUS:   | N/A  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 1.  | LINE NAME AND NUMBER:                                      | Dennison-Yager 69kV (138kV design) (B2501)                              |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Dennison / Yager; INTERMEDIATE STATION - Irish Run Switch               |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 7.3 mi / 100 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | Application approved in 2017  |
| 6.  | CONSTRUCTION:  | Estimated completion in 2021  |
| 7.  | CAPITAL INVESTMENT:  | \$20.0M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | 6-wire double-circuit steel poles                                       |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Area reliability/serve increased customer loads                         |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Reduced area reliability; load curtailment at industrial customer sites |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Gable-Carrollton 138kV (s1859) A11012332□                               |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Gable / Carrollton; INTERMEDIATE STATION - N/A                          |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 29 mi / 100 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2021  |
| 6.  | CONSTRUCTION:  | 2021  |
| 7.  | CAPITAL INVESTMENT:  | \$42.1M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | 6-wire double-circuit steel poles                                       |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of 100-year old line which has deteriorated                                      |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Potential reliability issues with 100-yr old T-Line (Tidd-Carrollton)                    |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Glencoe-Speidel 138kV (S1158)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Glencoe / Speidel; INTERMEDIATE STATION - South Belmont Switch; Lamira Switch            |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 13.5 mi / 100 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | Application approved in 2018   |
| 6.  | CONSTRUCTION:  | Estimated completion in 2021-2022  |
| 7.  | CAPITAL INVESTMENT:  | Approximately \$25M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                    |
| 9.  | SUPPORTING STRUCTURES:                                     | Single-circuit steel poles   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated 69kV facilities. Support area shale load growth.                    |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of customer service interruptions, due to deteriorating T-Line facilities |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Speidel-Summerfield 138kV (S1158)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Speidel / Summerfield; INTERMEDIATE STATION - Batesville; Barnesville                    |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 19.5 mi / 100 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 69kV   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 5.  | APPLICATION FOR CERTIFICATE:                               | Applications approved in 2017 (Barnesville - Summerfield & Speidel - Barnesville cases)  |
| 6.  | CONSTRUCTION:  | Estimated completion in 2020-21  |
| 7.  | CAPITAL INVESTMENT:  | Approximately \$30M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                    |
| 9.  | SUPPORTING STRUCTURES:                                     | Single-circuit steel poles   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Replace deteriorated 69kV facilities. Support area shale load growth.                    |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of customer service interruptions, due to deteriorating T-Line facilities |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Yager-Desert Road 69kV (138kV design) (B2501)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Yager / Desert Road; INTERMEDIATE STATION - West Bowerston Switch                        |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 6.8 mi / 100 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | Application approved in 2017   |
| 6.  | CONSTRUCTION:  | Estimated completion in 2021   |
| 7.  | CAPITAL INVESTMENT:  | \$14M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                    |
| 9.  | SUPPORTING STRUCTURES:                                     | 6-wire double-circuit steel poles  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Area reliability/serve increased customer loads  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Reduced area reliability; load curtailment at industrial customer sites                  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Adams-Seaman 138kV, 18298 (s1621)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Adams, Seaman; INTERMEDIATE STATION - None   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 8.5 mi / 100 ft / 2 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV & 138kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | LON 2020   |
| 6.  | CONSTRUCTION:  | 2021   |
| 7.  | CAPITAL INVESTMENT:  | \$15M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A                           |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel Monopole   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing lines  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of failure  |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Biers Run-Hopetown (b1032) TP2018194   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Biers Run, Hopetown; INTERMEDIATE STATION - N/A  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | ~1.6 mile new construction / 100 ft / 2 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2023   |
| 6.  | CONSTRUCTION:  | 2021-2023  |
| 7.  | CAPITAL INVESTMENT:  | Approximately \$2-3M   |
| 8.  | PLANNED SUBSTATION:  | NAME - Hopetown; TRANSMISSION VOLTAGE - 138kV / 12kV;<br>ACREAGE - 6; LOCATION - Chillicothe, Ohio |
| 9.  | SUPPORTING STRUCTURES:                                     | Combination of steel H-frame & monopole  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | The new line will serve the new Hopetown station. Hopetown is needed to retire the Camp Sherman substation and the 69kV Ross - Camp Sherman - Circleville line that serves it. |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of failure.   |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Friendship - Central Portsmouth (s1692)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Friendship, Central Portsmouth; INTERMEDIATE STATION - N/A   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 8.5 mi / 60 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A (69kV)   |
| 6.  | CONSTRUCTION:  | 2022   |
| 7.  | CAPITAL INVESTMENT:  | ~\$18M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel H-frame  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | New 69kV line, provides a loop so Friendship will have a back up, also allows for the retirement of the old Central Portsmouth - Sugar Hill line crossing the Scioto.          |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Continued poor reliability, risk of equipment failure  |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Heppner - Vigo (s1432) MP0004423   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Heppner, Vigo; INTERMEDIATE STATION - N/A  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | ~18.6 mi / 100 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | Full Application 2018  |



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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 6.  | CONSTRUCTION:  | 2021-24   |
| 7.  | CAPITAL INVESTMENT:  | \$29M   |
| 8.  | PLANNED SUBSTATION:  | NAME - Heppner; TRANSMISSION VOLTAGE - 69kV; ACREAGE - 5;<br>LOCATION - Jackson, Ohio |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel H-frame   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69kV line, asset renewal of aging infrastructure                  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.  |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Hillsboro - Hutchings (DP&L) (s1599) TP2017117  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Hillsboro, Hutchings; INTERMEDIATE STATION - Middleboro (DP&L)                        |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 19 mi (1 circuit) / 17 mi (2 circuit) / 100 ft  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | LON, September 2019   |
| 6.  | CONSTRUCTION:  | 2020-2021   |
| 7.  | CAPITAL INVESTMENT:  | ~\$68.4M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A              |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel H-frame   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | DP&L  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138kV line, asset renewal of aging infrastructure                 |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.  |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Hillsboro - Warren (Duke) (s1599) TP2017117   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Hillsboro, Warren; INTERMEDIATE STATION - Clinton (Duke)  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 17 mi / 100 ft / 2 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | LON, September 2019   |
| 6.  | CONSTRUCTION:  | 2020-2021   |
| 7.  | CAPITAL INVESTMENT:  | \$45.6M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                           |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel H-frame   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | Duke  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138kV line, asset renewal of aging infrastructure                           |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.  |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Hopetown - Delano (b1032) TP2018194   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Hopetown, Delano; INTERMEDIATE STATION - N/A  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | ~1.6 mi new construction / 100 ft / 2 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2023  |
| 6.  | CONSTRUCTION:  | 2021-2023   |
| 7.  | CAPITAL INVESTMENT:  | Approximately \$2-3M  |
| 8.  | PLANNED SUBSTATION:  | NAME - Hopetown; TRANSMISSION VOLTAGE - 138kV / 12kV; ACREAGE - 6; LOCATION - Chillicothe, Ohio |
| 9.  | SUPPORTING STRUCTURES:                                     | Combination of steel H-frame & monopole   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | The line will serve the new Hopetown station. Hopetown is needed to retire the Camp Sherman substation and the 69kV line that serves it. |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of failure.   |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Lamping-Devola (s1160)   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Lamping, Devola; INTERMEDIATE STATION - Bell Ridge, Rouse  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | ~26 mi / 100 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | Full Application December, 2017  |
| 6.  | CONSTRUCTION:  | 2020-2021  |
| 7.  | CAPITAL INVESTMENT:  | \$65M  |
| 8.  | PLANNED SUBSTATION:  | NAME - Rouse, Bell Ridge; TRANSMISSION VOLTAGE - 138 kV; ACREAGE - 6, 6; LOCATION - Marietta, Ohio                                       |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel H-frame  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | Buckeye Coop/WEC   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | This new 138kV line will serve the Washington Electric Rouse and Bell Ridge stations.  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Foregoing this project would perpetuate the Marietta's 23kV reliability problems.  |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | North Portsmouth - Friendship (s1692)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Portsmouth, Friendship; INTERMEDIATE STATION - Rosemount, Sugar Hill   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 13.9 mi / 60 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A (69kV)   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 6.  | CONSTRUCTION:  | 2021-2023   |
| 7.  | CAPITAL INVESTMENT:  | \$26M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel H-frame   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69kV line, asset renewal of aging infrastructure  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.                                  |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Vigo - Ross (s1432) MP0004423   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Vigo, Ross; INTERMEDIATE STATION - Ginger                             |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | ~8.4 mi / 100 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | Full Application March 2018   |
| 6.  | CONSTRUCTION:  | 2021-24   |
| 7.  | CAPITAL INVESTMENT:  | \$8M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel H-frame   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69kV line, asset renewal of aging infrastructure  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.                                  |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | East Lima - Maddox Creek 345kV, (b2833)                               |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | East Lima - Maddox Creek; INTERMEDIATE STATION - NA                   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 30.34 mi / 150 ft / single circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 345 kV / 345 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | LON, 2018  |
| 6.  | CONSTRUCTION:  | 2021-2022  |
| 7.  | CAPITAL INVESTMENT:  | Approximately \$34.7M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A               |
| 9.  | SUPPORTING STRUCTURES:                                     | Existing Steel Lattice   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Connect and serve new generation customer  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Generation deliverability limitation   |
| 13. | MISCELLANEOUS:   | Line reconductor on existing structures  |
| 1.  | LINE NAME AND NUMBER:                                      | Gemini - West Moulton 138kV (s1856)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Gemini - West Moulton; INTERMEDIATE STATION - N/A                                      |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 10 mi / 100 ft / single circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | LON 2021   |
| 6.  | CONSTRUCTION:  | To be completed approximately 2022   |
| 7.  | CAPITAL INVESTMENT:  | Approximately \$14.7M  |
| 8.  | PLANNED SUBSTATION:  | NAME - Gemini; TRANSMISSION VOLTAGE - 138kV; ACREAGE - 3;<br>LOCATION - Wapakoneta, OH |
| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Service to new customer delivery point   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | New customer load would not have service in required timeframe  |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | North Coshocton - Newcomerstown 34.5kV (B2592) TP2015065; This circuit is now Morgan Run - North Coshocton 34.5kV   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Coshocton and Newcomerstown; INTERMEDIATE STATION - East Coshocton Sw 345.5kV; Morgan Run Sw 34.5kV; Southwest Lafayette (F.P. Co-op) 34.5kV; West Lafayette 34.5kV and Isleta 34.5kV |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 23.67 miles / 60 ft / 2 circuit (Approximately 1.11 miles is double circuit)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2021  |
| 7.  | CAPITAL INVESTMENT:  | \$3.9M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | N/A   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild the North Coshocton - East Coshocton section of the North Coshocton - Newcomerstown 34.5kV circuit to prevent it from overloading.  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | North Coshocton - East Coshocton section of the North Coshocton - Newcomerstown 34.5kV circuit may overload.  |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Adams-Seaman 69kV, 22117 (s1621)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Adams, Seaman; INTERMEDIATE STATION - Lawshe Switch   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 8.5 mi / 100 ft / 2 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138kV & 138kV / 69kV  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 5.  | APPLICATION FOR CERTIFICATE:                               | LON to be filed in 2019  |
| 6.  | CONSTRUCTION:  | 2021   |
| 7.  | CAPITAL INVESTMENT:  | \$9M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A           |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel Monopole   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing lines  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of failure  |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | North Newark - Sharp Rd 138 kV (pending)   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Newark, Sharp Rd; INTERMEDIATE STATION - N/A                                 |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 19.4 miles / 100ft / 1 circuit (of new construction)                               |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138V / 138kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | LON 2021   |
| 6.  | CONSTRUCTION:  | 2022-2023  |
| 7.  | CAPITAL INVESTMENT:  | \$42.2M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A           |
| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138kV line, to address condition, performance, and risk issues |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of further deterioration and performance issues                     |
| 13. | MISCELLANEOUS:   | N/A  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 1.  | LINE NAME AND NUMBER:                                      | Hillsboro - Millbrook Park 138 kV / Millbrook Park - South Lucasville 138 kV (s2251)   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Hillsboro, Millbrook Park; INTERMEDIATE STATION - Sinking Springs Sw., Millbrook Park, South Lucasville; INTERMEDIATE STATION - North Portsmouth |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 43.4 miles / 100ft / 1 circuit (of new construction), 8.5 miles / 100ft / 2 circuit (of new construction)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138V / 138kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | LON 2021   |
| 6.  | CONSTRUCTION:  | 2022-2024  |
| 7.  | CAPITAL INVESTMENT:  | \$126.1M   |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138kV line, to address condition, performance, and risk issues   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of further deterioration and performance issues   |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | East Beaver - Buckeye 69 kV (s2158), TP2019133   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | East Beaver, Buckeye; INTERMEDIATE STATION - N/A   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 4.5 miles / 60ft / 1 circuit (of new construction)   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2022   |
| 7.  | CAPITAL INVESTMENT:  | \$19.3M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A  |



PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing line, to address condition, performance, and risk issues   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of further deterioration and performance issues   |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | Howard - Bucyrus #2 69 kV (s2156), TP2019103   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Howard, Bucyrus; INTERMEDIATE STATION - West Galion  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 25 miles / 60ft / 1 circuit (of new construction)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2022-24  |
| 7.  | CAPITAL INVESTMENT:  | \$52.7M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing line, to address condition, performance, and risk issues   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of further deterioration and performance issues   |
| 13. | MISCELLANEOUS:   | N/A  |
| 1.  | LINE NAME AND NUMBER:                                      | New Liberty - North Baltimore 34.5 kV (s2199), TP2011075   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | New Liberty, North Baltimore; INTERMEDIATE STATION - Liberty Hi Switch (to be renamed Touchtone Switch), Cherry St. Switch |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3 miles / 60ft / 1 circuit (of new construction)   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2020-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$9.3M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A;<br>LOCATION - N/A                          |
| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | Not rebuilding whole circuit  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing line, to address condition, performance, and risk issues                      |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of further deterioration and performance issues                                    |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | New Liberty - Findlay Center 34.5 kV (s2199), TP2011075   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | New Liberty, Oilers; INTERMEDIATE STATION - Tten Sw., Havard Ave Sw.                              |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.9 miles / 60ft / 2 circuit (of new construction)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2020-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$10.4 M  |
| 8.  | PLANNED SUBSTATION:  | NAME - Oilers; TRANSMISSION VOLTAGE - 34.5; ACREAGE - TBD;<br>LOCATION - Replaces Morrical Switch |
| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing line, to address condition, performance, and risk issues                      |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of further deterioration and performance issues                                    |
| 13. | MISCELLANEOUS:   | N/A   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 1.  | LINE NAME AND NUMBER:                                      | North Woodcock - Oilers 34.5 kV (s2060), TP2018141  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Woodcock, Oilers; INTERMEDIATE STATION - S. Mt Cory Sw., E. Mt Cory Sw., Rawson Sw, West Findlay, Sw, Fliprock Sw                   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 1.5 miles / 60ft / 1 circuit (of new construction)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2020-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$3.3M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing line, to address condition, performance, and risk issues, Allows for creation of new circuit from Boutwell to Airport |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of further deterioration and performance issues  |
| 13. | MISCELLANEOUS:   | Not rebuilding whole circuit  |
| 1.  | LINE NAME AND NUMBER:                                      | North Woodcock - Boutwell 34.5 kV (s2060), TP2018141  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Woodcock, Boutwell; INTERMEDIATE STATION - Lancers Sw, Bluffton Sw, McIntosh SW, Pirates Sw   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3.75 miles / 60ft / 1 circuit (of new construction)   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2020-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$8.1M  |
| 8.  | PLANNED SUBSTATION:  | NAME - Boutwell; TRANSMISSION VOLTAGE - 138/34.5; ACREAGE - TBD; LOCATION - Southwest of North Woodcock                                   |

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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Ties Boutwell into 34.5 kV system and provides looped service to Airport delivery point   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Boutwell station can not be tied into 34.5 kV system  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | North Woodcock - Boutwell 34.5 kV (s2060), TP2018141  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Woodcock, Boutwell; INTERMEDIATE STATION - Lancers Sw, Bluffton Sw, McIntosh SW, Pirates Sw   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 1.7 miles / 60ft / 1 circuit (of new construction)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 34.5kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2020-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$4.8M  |
| 8.  | PLANNED SUBSTATION:  | NAME - Boutwell; TRANSMISSION VOLTAGE - 138/34.5; ACREAGE - TBD; LOCATION - Southwest of North Woodcock                                   |
| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing line, to address condition, performance, and risk issues, Allows for creation of new circuit from Boutwell to Airport |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of further deterioration and performance issues  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Dolahard - East Lima 69 kV (s2060), TP2018141   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Dolahard, East Lima; INTERMEDIATE STATION - Beaverdam, Lafayette, Ada   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 1.3 miles / 60ft / 2 circuit (of new construction)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2020-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$4.8M  |
| 8.  | PLANNED SUBSTATION:  | NAME - N/A; TRANSMISSION VOLTAGE - N/A; ACREAGE - N/A; LOCATION - N/A                     |
| 9.  | SUPPORTING STRUCTURES:                                     | Overhead, Steel, Pole   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Allows for the retirement of 10.1 miles of aging 34.5 line between Beaverdam and Bluelick |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of further deterioration and performance issues                            |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Stuart - Copeland (s2184), TP2019316  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Seaman, Copeland INTERMEDIATE STATION - Poplar Flats Sw, Brown Hill Sw, Raven             |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 15 mi / 60 ft / 1 circuit (proposed makes up 2.5 miles)                                   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A (69kV)  |
| 6.  | CONSTRUCTION:  | 2021-2024   |
| 7.  | CAPITAL INVESTMENT:  | \$4.0M  |
| 8.  | PLANNED SUBSTATION:  | NAME - Copeland; TRANSMISSION VOLTAGE - 69 kV ACREAGE - N/A; LOCATION - West Union, OH    |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel H-frame   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | Duke  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69kV line   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.   |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Seaman - Copeland (s2184), TP2019316   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Seaman, Copeland INTERMEDIATE STATION - Panhandle                                      |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 13 mi / 60 ft / 1 circuit (proposed makes up 2 miles)                                  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A (69kV)   |
| 6.  | CONSTRUCTION:  | 2023-2024  |
| 7.  | CAPITAL INVESTMENT:  | \$3M   |
| 8.  | PLANNED SUBSTATION:  | NAME - Copeland; TRANSMISSION VOLTAGE - 69 kV ACREAGE - N/A; LOCATION - West Union, OH |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel H-frame  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | Duke   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.   |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Crooksville - North Newark (s2160), TP2019150  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Crooksville, North Newark INTERMEDIATE STATION - Isabella                              |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 31.6 mi / 100 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV/ 138 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2021   |
| 6.  | CONSTRUCTION:  | 2022-2023  |
| 7.  | CAPITAL INVESTMENT:  | \$50M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.   |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Kalida - Continental (s2215 , b3290) TP2019220   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Kalida, Continental INTERMEDIATE STATION - Roselms Sw, West Oakwood Sw, Fort Brown Sw          |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 28.2 mi / 60 ft / 1 circuit, 2 circuit (7.5 mi) (proposed makes up 26.2 miles)                 |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV/ 69 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2023-2025  |
| 7.  | CAPITAL INVESTMENT:  | \$65M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV lines/ Providing looped service to existing radials                  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure and reliability concerns.                                  |
| 13. | MISCELLANEOUS:   | (note \$'s for DC section counted on Kalida - N.Delphos line as well)                          |
| 1.  | LINE NAME AND NUMBER:                                      | Kalida - North Delphos (s2215 , b3290) TP2019220   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Kalida, North Delphos INTERMEDIATE STATION - East Ottoville Sw, Ottoville Sw, Fort Jennings Sw |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 11.2 mi / 60 ft / 1 circuit, 2 circuit (7.5mile)   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV/ 69 kV   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2023-2025   |
| 7.  | CAPITAL INVESTMENT:  | \$30M   |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV lines/ Providing looped service to existing radials |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure and reliability concerns.                 |
| 13. | MISCELLANEOUS:   | (note \$'s for DC section counted on Kalida - Continental line as well)       |
| 1.  | LINE NAME AND NUMBER:                                      | Elliott - Dexter (s2224) TP2019225  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Elliot, Dexter INTERMEDIATE STATION - Lee 138 kV                              |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 18.0 mi / 100 ft / 1 circuit (Proposed line only encompasses 8 miles)         |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV/ 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022  |
| 6.  | CONSTRUCTION:  | 2022-2024   |
| 7.  | CAPITAL INVESTMENT:  | \$18M   |
| 8.  | PLANNED SUBSTATION:  | Lee 138 kV  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure and reliability concerns.                 |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Lamping - Switzer (s2216) TP2019216   |



PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Lamping, Switzer INTERMEDIATE STATION - Cranes Nest Sw.,<br>Standingstone Sw., Cameron Sw |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 24.0 mi / 60 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV/ 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2022-2024   |
| 7.  | CAPITAL INVESTMENT:  | \$18M   |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure and reliability concerns.                             |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Derwent - Summerfield (s2211) TP2019209   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Derwent, Summerfield INTERMEDIATE STATION - Senecaville,<br>Lashley Sw                    |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 15.0 mi / 60 ft / 1 circuit (proposed line only 2.5 miles)                                |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV/ 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2022-2023   |
| 7.  | CAPITAL INVESTMENT:  | \$5M  |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Replacement of existing 69 kV lines/ Providing looped service to existing radials  |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Crooksville - Philo (s2223), TP2019113   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Crooksville, Philo INTERMEDIATE STATION - Cannelville SW   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 13 mi / 100 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV/ 138 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | LON 2021   |
| 6.  | CONSTRUCTION:  | 2023-2024  |
| 7.  | CAPITAL INVESTMENT:  | \$25M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.   |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Millbrook Park - South Point / Millbrook Park - E. Wheelersburg - Bellefonte - N. Proctorville - S. Point (s2272) TP2019104                    |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Millbrook Park, South Point INTERMEDIATE STATION - Dogwood Ridge, East Wheelersburg, Hanging Rock, Bellefonte, North Proctorville, South Point |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 38 mi / 100 ft / 2 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV/ 138 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022   |
| 6.  | CONSTRUCTION:  | 2024-2026  |
| 7.  | CAPITAL INVESTMENT:  | \$140M   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.  |
| 13. | MISCELLANEOUS:   | Double circuit accounts for on Millbrook Park - South Point, Millbrook Park - East Wheelersburg, East Wheelersburg - Bellefonte, Bellefonte - North Proctorville, North Proctorville - South Point 138 kV |
| 1.  | LINE NAME AND NUMBER:                                      | Groves - Shannon (s2282), TP2019017   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Groves, Shannon INTERMEDIATE STATION - N/A  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 5 mi / 100 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV/ 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022  |
| 6.  | CONSTRUCTION:  | 2023-2024   |
| 7.  | CAPITAL INVESTMENT:  | \$18M   |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Bixby - Shannon (s2282), TP2019017  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Bixby , Shannon INTERMEDIATE STATION - Shannon Sw.  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 4.3 mi / 100 ft / 1 circuit                  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV/ 138 kV                               |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2021   |
| 6.  | CONSTRUCTION:  | 2023-2024                                    |
| 7.  | CAPITAL INVESTMENT:  | \$13M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line              |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.         |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Astor - Brice - Shannon (s2282), TP2019017   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Bixby , Shannon INTERMEDIATE STATION - Brice |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 5.0 mi / 100 ft / 1 circuit                  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV/ 138 kV                               |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022   |
| 6.  | CONSTRUCTION:  | 2023-2024                                    |
| 7.  | CAPITAL INVESTMENT:  | \$19M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line              |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.         |
| 13. | MISCELLANEOUS:   |  |

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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 1.  | LINE NAME AND NUMBER:                                      | Robison Park - South Hicksville 69 kV (s2393), TP2019198  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Robison Park , South Hicksville INTERMEDIATE STATION - Harlan, St. Joe Tap Sw, Vulcraft Sw, West Hicksville |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3.75 mi / 60 ft / 1 circuit (Only Ohio mileage shown)   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2023-2024   |
| 7.  | CAPITAL INVESTMENT:  | \$7.8M  |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | West Crawford - South Berwick 69 kV (s2395), TP2019143  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | West Crawford , South Berwick INTERMEDIATE STATION - Carey Sw   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 11.5 mi / 60 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2023-2025   |
| 7.  | CAPITAL INVESTMENT:  | \$24.0M   |
| 8.  | PLANNED SUBSTATION:  | West Crawford   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |

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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | West Crawford - East Arlington 69 kV (s2395), TP2019143                       |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | West Crawford , East Arlington INTERMEDIATE STATION - South Vanlue Buckrun Sw |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 16 mi / 60 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2023-2025   |
| 7.  | CAPITAL INVESTMENT:  | \$32.0M   |
| 8.  | PLANNED SUBSTATION:  | West Crawford, East Arlington   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Rangeline - East Arlington 69 kV (s2395), TP2019143                           |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Rangeline , East Arlington INTERMEDIATE STATION - Flat Branch Switch          |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 8 mi / 60 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2023-2025   |

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Specifications of Planned Transmission Lines

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| 7.  | CAPITAL INVESTMENT:  | \$18.0M   |
| 8.  | PLANNED SUBSTATION:  | Rangeline, East Arlington   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Haviland - Payne 69 kV (s2394), TP2020015   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Haviland , Payne INTERMEDIATE STATION - Latty Sw, Latty Jct Sw                        |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 12 mi / 60 ft / 1 circuit (Only 9.3 portion is being rebuilt)                         |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2023-2025   |
| 7.  | CAPITAL INVESTMENT:  | \$20.0M   |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | South Hicksville - Payne 69 kV (s2394), TP2020015                                     |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | South Hicksville , Payne INTERMEDIATE STATION - Antwerp Sw, N. Antwerp Sw, Sieberi Sw |

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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 14.3 mi / 60 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2023-2025  |
| 7.  | CAPITAL INVESTMENT:  | \$28.0M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV line   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.   |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | South Point - West Huntington / Bellefonte - South Point #1 (s2397), TP2019066 |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | South Point , West Huntington (WV) / Bellefonte (KY) INTERMEDIATE STATION -    |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.5 mi / 60 ft / 2 circuit Mileage for Ohio Portion of line                    |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69,34.5 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2023-2025  |
| 7.  | CAPITAL INVESTMENT:  | \$2.0M   |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV line   |



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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure.   |
| 13. | MISCELLANEOUS:   | Line will be rebuilt at 69 kV design operated one side 69 kV and another 69 kV. Only showing Ohio facilities |
| 1.  | LINE NAME AND NUMBER:                                      | East Leipsic - New Liberty (b3273) TP2020017   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | East Leipsic, New Liberty INTERMEDIATE STATION - Shawtown Sw, McComb   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 17.6 mi / 100 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022   |
| 6.  | CONSTRUCTION:  | 2023-2025  |
| 7.  | CAPITAL INVESTMENT:  | \$31.0M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 34.5 kV line to 138 kV to solve asset renewal issues and baseline criteria               |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues                                     |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Newcomerstown - Broom Rd (b3274), TP2021013  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Newcomerstown , Broom Rd INTERMEDIATE STATION - Kimbolton, Salt Fork Sw                                      |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 16 mi / 60 ft / 1 circuit (proposed only 8.9 miles)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2024-2025  |
| 7.  | CAPITAL INVESTMENT:  | \$15.0M  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of copper sections of existing line to solve criteria violations  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Risk of operational/reliability issues  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | West Mt Vernon - Pittsburg Ave - Mt Vernon (b3274), TP2021013   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | West Mount Vernon, Pittsburg Ave, Mount Vernon INTERMEDIATE STATION - North Mt Vernon   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 4 mi / 60 ft / 1 circuit (0.7 miles is double circuit)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2024-2025   |
| 7.  | CAPITAL INVESTMENT:  | \$9.0M  |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of copper/small ACSR sections of existing line to solve criteria violations and address aging infrastructure concerns |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Risk of operational/reliability issues  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Ravin - Schlegel 69 kV (s2149)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Ravin - Schlegel INTERMEDIATE STATION - Hanover Sw, West Nashville Sw   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 5.3 mi / 60 ft / 1 circuit (5.3 miles is proposed line)   |

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AEP OHIO TRANSMISSION COMPANY  
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| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2023-2026   |
| 7.  | CAPITAL INVESTMENT:  | \$10.0M   |
| 8.  | PLANNED SUBSTATION:  | Ravin, Schlegal   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 34.5/69 kV kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Ravin - Killbuck 69 kV (s2149)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Ravin - Killbuck INTERMEDIATE STATION - Stillwell Sw, Fort Fizzle   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 24 mi / 60 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2023-2026   |
| 7.  | CAPITAL INVESTMENT:  | \$50.0M   |
| 8.  | PLANNED SUBSTATION:  | Ravin, Fort Fizzle  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 34.5/69 kV kV line and construction of new lines to address operational flexibility and aging infrastructure issues |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Black Diamond - Killbuck 69 kV (s2149)  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Ravin - Killbuck INTERMEDIATE STATION - Stillwell Sw, Fort Fizzle  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 4.1 mi / 60 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2023-2026  |
| 7.  | CAPITAL INVESTMENT:  | \$5.0M   |
| 8.  | PLANNED SUBSTATION:  | Black Diamond  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 34.5/69 kV kV line   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues   |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | South Coshocton - Simmons Run - Killbuck 69 kV (s2149)   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | South Coshocton - Simmons Run - Killbuck INTERMEDIATE STATION - Moscow Sw, South Warsaw Sw, Metham Sw, South Killbuck Sw |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 25 mi / 60 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2023-2026  |
| 7.  | CAPITAL INVESTMENT:  | \$55.0M  |
| 8.  | PLANNED SUBSTATION:  | Simmons Run  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |

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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 34.5/69 kV kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues                    |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Buckhorn - Black Diamond (s2149)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Buckhorn - Black Diamond INTERMEDIATE STATION - N/A   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.8 mi / 100 ft / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022  |
| 6.  | CONSTRUCTION:  | 2023-2026   |
| 7.  | CAPITAL INVESTMENT:  | \$2.0M  |
| 8.  | PLANNED SUBSTATION:  | Black Diamond   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | New 138 kV line extension to serve Buckhorn from Black Diamond (formally South Millersburg) |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues                    |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Tiffin Center - Founders s2637 TP2020011  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Tiffin Center - Founders INTERMEDIATE STATION -Kilbourne Switch                             |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 15.57 mi / 60 ft / 1 circuit (8 mi is the proposed line/rebuild)                            |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV /69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2023 - 2024   |
| 7.  | CAPITAL INVESTMENT:  | \$11.99 M   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 8.  | PLANNED SUBSTATION:  | Founders  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | This line will establish a new 69kV connection between Republic station and Tiffin Center station.                              |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure & customer outages  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Carrothers - Founders - Greenlawn s2637 TP2020011   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Carrothers - Founders - Greenlawn INTERMEDIATE STATIONS - North Bloomville Switch, Bloomville, St Stephen Switch                |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.83 mi / 60 ft / 2 circuit (of new construction)   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV /69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6.  | CONSTRUCTION:  | 2023 - 2024   |
| 7.  | CAPITAL INVESTMENT:  | \$2.4 M   |
| 8.  | PLANNED SUBSTATION:  | Founders  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | This is a rebuild / reconfiguration of the existing line to connect into founders station while also removing several switches. |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Risk of operational/reliability issues  |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | South Canton - Southeast Canton 138kV S2651 TP2020224   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | South Canton - Southeast Canton; INTERMEDIATE STATIONS - Faircrest Street   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 7.2 mi / 100 ft / 1 circuit (Only 4.2 mi is being rebuilt)  |

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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022 - 2023  |
| 6.  | CONSTRUCTION:  | 2024 - 2025  |
| 7.  | CAPITAL INVESTMENT:  | \$10.8M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Southeast Canton - Sunnyside 138kV S2651 TP2020224                       |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Southeast Canton - Sunnyside INTERMEDIATE STATIONS N/A                   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3.19 mi / 100 ft / 1 circuit (Only 0.9 mi is being rebuilt)              |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2/1/2023   |
| 6.  | CONSTRUCTION:  | 2024 - 2025  |
| 7.  | CAPITAL INVESTMENT:  | \$2.32M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | North Intertie - South Canton 138kV S2651 TP2020224                      |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North intertie - South Canton INTERMEDIATE STATIONS Bolivar              |

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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 15.24 mi / 100 ft / 1 circuit (Only 0.4 mi is being rebuilt)             |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022 - 2023  |
| 6.  | CONSTRUCTION:  | 2024 - 2025  |
| 7.  | CAPITAL INVESTMENT:  | \$1.03M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | South Canton - Timken Richville 138kV S2651 TP2020224                    |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | South Canton - Timken Richville INTERMEDIATE STATIONS N/A                |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3.47 mi / 100 ft / 1 circuit (Only 2.1 mi is being rebuilt)              |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022 - 2023  |
| 6.  | CONSTRUCTION:  | 2024 - 2025  |
| 7.  | CAPITAL INVESTMENT:  | \$4.58M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |



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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 1.  | LINE NAME AND NUMBER:                                      | Timken - Timken Richville 138kV S2651 TP2020224                          |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Timken - Timken Richville INTERMEDIATE STATIONS -Torrey                  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3.37 mi / 100 ft / 1 circuit (Only 0.6 mi is being rebuilt)              |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022 - 2023  |
| 6.  | CONSTRUCTION:  | 2024 - 2025  |
| 7.  | CAPITAL INVESTMENT:  | \$1.3M   |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | North Strasburg - South Canton 138kV S2651 TP2020224                     |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Strasburg - South Canton INTERMEDIATE STATIONS - N/A               |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 8.57 mi / 100 ft / 1 circuit (Only 0.8 mi is being rebuilt)              |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022 - 2023  |
| 6.  | CONSTRUCTION:  | 2024 - 2025  |
| 7.  | CAPITAL INVESTMENT:  | \$1.74M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |

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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|     |  |  |
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| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues   |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Philo - Newcomerstown 138kV (S2465 TP2020004)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Philo - Newcomerstown NTERMEDIATE STATIONS - West Crawford, East New Concord Switch, Chandler Switch, Rustic Switch, & Norfield Switch |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 38.6 mi / 100 ft / 2 circuit (of rebuilt line)   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 11/1/2022  |
| 6.  | CONSTRUCTION:  | 2023 - 2024  |
| 7.  | CAPITAL INVESTMENT:  | \$102M   |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues   |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Rarden - Otway 69kV (s2426 TP2018150)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Rarden - Otway INTERMEDIATE STATIONS - N/A   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 8.5 mi / 60 ft / 1 circuit (of new construction)   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2022 - 2023  |
| 7.  | CAPITAL INVESTMENT:  | \$12.49M   |
| 8.  | PLANNED SUBSTATION:  | Otway  |

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Specifications of Planned Transmission Lines

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| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Provide a more reliable distribution network between Adams and Portsmouth.   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | The 34kV distribution network between Adams and Portsmouth will continue to experience poor reliability.   |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Otway - Pipestone (s2426 TP2018150)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Otway - Pipestone INTERMEDIATE STATIONS - Tick Ridge Switch, McDermott, & Rosemount  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 13.3 mi / 60 ft / 1 circuit (of new construction)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2022 - 2023  |
| 7.  | CAPITAL INVESTMENT:  | \$30.08M   |
| 8.  | PLANNED SUBSTATION:  | Otway & Pipestone  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Provide a more reliable distribution network between Adams and Portsmouth.   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | The 34kV distribution network between Adams and Portsmouth will continue to experience poor reliability.   |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Howard - Ohio Central 138kV (S2564 TP2020014 & TP2020249)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Howard - Ohio Central 138kV INTERMEDIATE STATIONS - North Lexington, Solerno, North Bellville, Apple Valley Switch, Academia, Millwood, Wakatomika Switch & West Trinway |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 64 mi / 100ft / 2 circuit (of rebuilt line)  |

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| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022 - 2023  |
| 6.  | CONSTRUCTION:  | 2025 - 2028  |
| 7.  | CAPITAL INVESTMENT:  | \$142.26M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Culbertson - Ohio Central 138kV (S2564 TP2020250)                        |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Culbertson - Ohio Central INTERMEDIATE STATIONS - East Point             |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 9.55mi / 100 ft / 1 circuit (of rebuilt line)                            |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022 - 2023  |
| 6.  | CONSTRUCTION:  | 2027 - 2028  |
| 7.  | CAPITAL INVESTMENT:  | \$22.44M   |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Culbertson - Philo 138kV (S2564 TP2020250)                               |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Culbertson - Philo INTERMEDIATE STATIONS - East Zanesville               |

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Specifications of Planned Transmission Lines

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| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 8.94mi / 100 ft / 1 circuit (of rebuilt line)                            |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022 - 2023  |
| 6.  | CONSTRUCTION:  | 2027 - 2028  |
| 7.  | CAPITAL INVESTMENT:  | \$21M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 138 kV line  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Alpine - Shie Hill 69kV (TP2020009 s2534)                                |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Alpine - Shie Hill INTERMEDIATE STATION Winesburg Switch & Trail Switch  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 11.05 mi / 60 ft / 1 circuit (6.95 mi of line work)                      |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2024-2025  |
| 7.  | CAPITAL INVESTMENT:  | \$6.38M  |
| 8.  | PLANNED SUBSTATION:  | Alpine & Shie Hill   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | New 69 kV extension to serve co-op transmission delivery point           |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer                          |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Bucyrus Center - East Tiffin 69kV (S2575 TP2020010)                                |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Bucyrus Center - East Tiffin INTERMEDIATE STATIONS - Mousey Switch                 |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 22 mi / 60 ft / 1 circuit (Only 14 miles of line work)                             |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kv / 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2023 - 2024  |
| 7.  | CAPITAL INVESTMENT:  | \$19.5M  |
| 8.  | PLANNED SUBSTATION:  | Mousey Switch  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | To provide 69kV looped service to North Central Co-ops Sycamore station.           |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | North Central Co-ops Sycamore station continues to be served via a 8.3 mile radial |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Bucyrus - Howard 69kV (S2575 TP2020010)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Bucyrus - Howard INTERMEDIATE STATIONS - East Bucyrus & West Galion                |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 24.53 mi / 60 ft / 1 circuit (3.6 miles of line work)                              |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2023 - 2024  |
| 7.  | CAPITAL INVESTMENT:  | \$9.6M   |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV line   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues                         |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | East Logan - South Lancaster 69kV (S2577 TP2019119)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | East Logan - South Lancaster INTERMEDIATE STATIONS - Rockbridge, Enterprise Switch, & West Logan |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 16.4 mi / 60 ft / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6.  | CONSTRUCTION:  | 2023 - 2024  |
| 7.  | CAPITAL INVESTMENT:  | \$50M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild of existing 69 kV line   |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues                         |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Babbitt – Innovation (s2578 TP2020225)   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Babbitt – Innovation INTERMEDIATE STATIONS - N/A   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.12 miles / 100 ft. / 2 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022   |
| 6.  | CONSTRUCTION:  | 2024-2025  |
| 7.  | CAPITAL INVESTMENT:  | \$4.23M  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 8.  | PLANNED SUBSTATION:  | Innovation   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Build double circuit line to customer site         |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer    |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Kirk – Innovation (s2578 TP2020225)                |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Kirk – Innovation INTERMEDIATE STATIONS - Hazelton |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.12 miles / 100 ft. / 2 circuit                   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV                                    |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022   |
| 6.  | CONSTRUCTION:  | 2024-2025  |
| 7.  | CAPITAL INVESTMENT:  | \$4.23M  |
| 8.  | PLANNED SUBSTATION:  | Innovation   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Build double circuit line to customer site         |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer    |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Hemlock - Bryson (s2434 TP2020091)                 |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Hemlock - Bryson INTERMEDIATE STATIONS - N/A       |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 4.12 miles / 60 ft / 1 circuit                     |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV                                      |
| 5.  | APPLICATION FOR CERTIFICATE:                               | N/A  |



PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 6.  | CONSTRUCTION:  | 2023-2024   |
| 7.  | CAPITAL INVESTMENT:  | \$9.05M   |
| 8.  | PLANNED SUBSTATION:  | Bryson  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Build single circuit line to customer site        |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer   |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Cyprus – Canal Street (s1429 TP2020005)           |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Cyprus – Canal Street INTERMEDIATE STATIONS - N/A |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.3 miles / 100 ft. / 2 circuit                   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV                                   |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022  |
| 6.  | CONSTRUCTION:  | 2023 - 2024                                       |
| 7.  | CAPITAL INVESTMENT:  | \$3.34M   |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Build double circuit line to customer site        |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer   |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Cyprus – White Road (s1429 TP2020005)             |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Cyprus – White Road INTERMEDIATE STATIONS - N/A   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 2.3 miles / 100 ft. / 2 circuit                   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022   |
| 6.  | CONSTRUCTION:  | 2023 - 2024  |
| 7.  | CAPITAL INVESTMENT:  | \$3.34M  |
| 8.  | PLANNED SUBSTATION:  | N/A  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Build double circuit line to customer site             |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer        |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Cyprus – Parsons #1 138 kV (s1429 TP2020005)           |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Cyprus – Parsons #1 138 kV INTERMEDIATE STATIONS - N/A |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.19 miles / 100 ft./ 1 circuit                        |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022   |
| 6.  | CONSTRUCTION:  | 2023 - 2024  |
| 7.  | CAPITAL INVESTMENT:  | \$0.586M   |
| 8.  | PLANNED SUBSTATION:  | Cyprus   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Build double circuit line to customer site             |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer        |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Cyprus – Parsons #2 138 kV (s1429 TP2020005)           |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Cyprus – Parsons #2 138 kV INTERMEDIATE STATIONS - N/A |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.19 miles / 100 ft./ 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022   |
| 6.  | CONSTRUCTION:  | 2023 - 2024  |
| 7.  | CAPITAL INVESTMENT:  | \$0.586M   |
| 8.  | PLANNED SUBSTATION:  | Cyprus   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Build double circuit line to customer site                               |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer                          |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | East Wheelersburg - Sadiq SW (s2464 TP2015095)                           |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | East Wheelersburg - Sadiq SW INTERMEDIATE STATIONS - N/A                 |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.2 miles / 100 ft. / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2023   |
| 6.  | CONSTRUCTION:  | 2026 - 2027  |
| 7.  | CAPITAL INVESTMENT:  | \$2.21M  |
| 8.  | PLANNED SUBSTATION:  | Sweetgum   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | To address the identified thermal violations                             |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 1.  | LINE NAME AND NUMBER:                                      | Sadiq SW - Sweetgum (s2464 TP2015095)                                    |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Sadiq SW - Sweetgum INTERMEDIATE STATIONS - N/A                          |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 1.4 miles / 100 ft. / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2023   |
| 6.  | CONSTRUCTION:  | 2026 - 2027  |
| 7.  | CAPITAL INVESTMENT:  | \$2.35M  |
| 8.  | PLANNED SUBSTATION:  | Sweetgum   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | To address the identified thermal violations                             |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Althea - Sweetgum (s2464 TP2015095)                                      |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Althea - Sweetgum INTERMEDIATE STATIONS - N/A                            |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 5.6 miles / 100 ft. / 1 circuit  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2023   |
| 6.  | CONSTRUCTION:  | 2026 - 2027  |
| 7.  | CAPITAL INVESTMENT:  | \$7.43M  |
| 8.  | PLANNED SUBSTATION:  | Althea, Sweetgum   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | To address the identified thermal violations                             |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Cottrell Park - Millbrook Park (s2464 TP2015095)                         |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Cottrell Park - Millbrook Park INTERMEDIATE STATIONS - N/A               |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.25 miles / 100 ft. / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2023   |
| 6.  | CONSTRUCTION:  | 2026 - 2027  |
| 7.  | CAPITAL INVESTMENT:  | \$0.63M  |
| 8.  | PLANNED SUBSTATION:  | Cottrell   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | To address the identified thermal violations                             |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13. | MISCELLANEOUS:   |  |
| 1.  | LINE NAME AND NUMBER:                                      | Cottrell Park - East Wheelersburg (s2464 TP2015095)                      |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Cottrell Park - East Wheelersburg INTERMEDIATE STATIONS - N/A            |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.25 miles / 100 ft. / 1 circuit   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2023   |
| 6.  | CONSTRUCTION:  | 2026 - 2027  |
| 7.  | CAPITAL INVESTMENT:  | \$0.57M  |
| 8.  | PLANNED SUBSTATION:  | Cottrell   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel  |

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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | To address the identified thermal violations  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues                |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Windsor Extension(b2555)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Tiltonsville, Windsor   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.7 miles   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 3/2/2021  |
| 6.  | CONSTRUCTION:  | 2021-2022   |
| 7.  | CAPITAL INVESTMENT:  | \$2.8M  |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Address an overload on Tiltonsville - Windsor line                                      |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Overload persits, equipment damage, unnecessary system outages, load shedding possible. |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Harmar Hill Sw (s1858)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Gorsuch, Millcreek  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | N/A   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 4/27/2021   |
| 6.  | CONSTRUCTION:  | 2021  |
| 7.  | CAPITAL INVESTMENT:  | \$0.6M  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Removes a hard tap from the 138 kV system and provides a more reliable service to customer while replacing an inoperable single line switch |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Hard tap remains, extended outages persist for customers and circuit due to lack of ability to sectionalize circuit with switches.          |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Viking Switch (s2159.2)   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Crown City, North Proctorville  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | N/A   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 8/25/2020   |
| 6.  | CONSTRUCTION:  | 2022  |
| 7.  | CAPITAL INVESTMENT:  | \$1.0M  |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Removes a hard tap from the 138 kV system and provides a more reliable service to customer  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Hard tap remains, extended outages persist for customers and circuit due to lack of ability to sectionalize circuit with switches.          |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Solida Switch (s2159.3)   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | South Point, Apple Grove  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | N/A   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138 kV  |

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AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 5.  | APPLICATION FOR CERTIFICATE:                               | 6/25/2021   |
| 6.  | CONSTRUCTION:  | 2021  |
| 7.  | CAPITAL INVESTMENT:  | \$1.1M  |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Removes a hard tap from the 138 kV system and provides a more reliable service to customer while replacing an inoperable single line switch |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Hard tap remains, extended outages persist for customers and circuit due to lack of ability to sectionalize circuit with switches.          |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Cartwright Switch (s2159.4)   |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Crown City, Gavin   |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | N/A   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 10/14/2021  |
| 6.  | CONSTRUCTION:  | 2021  |
| 7.  | CAPITAL INVESTMENT:  | \$0.7M  |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Removes a hard tap from the 138 kV system and provides a more reliable service to customer while replacing an inoperable single line switch |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Hard tap remains, extended outages persist for customers and circuit due to lack of ability to sectionalize circuit with switches.          |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | Leaper Switch (s2159.1)   |



PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|     |  |   |
|-----|--|---|
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Apple Grove, Sporn  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | N/A   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138kV / 138 kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022  |
| 6.  | CONSTRUCTION:  | 2022  |
| 7.  | CAPITAL INVESTMENT:  | \$0.74M   |
| 8.  | PLANNED SUBSTATION:  | N/A   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Removes a hard tap from the 138 kV system and provides a more reliable service to customer while replacing an inoperable single line switch |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Hard tap remains, extended outages persist for customers and circuit due to lack of ability to sectionalize circuit with switches.          |
| 13. | MISCELLANEOUS:   | N/A   |
| 1.  | LINE NAME AND NUMBER:                                      | North Delphos - Sterling 138kV (S2442 TP2020069)  |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | North Delphos - Sterling INTERMEDIATE STATIONS - Gomer  |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 22.2 mi / 100ft / 2 circuit (0.5 mi of line work)   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kv / 138kV  |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 5/2/2022  |
| 6.  | CONSTRUCTION:  | 2021 - 2022   |
| 7.  | CAPITAL INVESTMENT:  | \$1M  |
| 8.  | PLANNED SUBSTATION:  | Gomer   |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Build double circuit line to customer site  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|     |  |   |
|-----|--|---|
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer     |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Lutz - Westfall 138kV (S2579 TP2020174)             |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Lutz - Westfall INTERMEDIATE STATIONS - N/A         |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 5.1 mi / 100 ft / 1 circuit (0.1 mi of line work)   |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV                                     |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022  |
| 6.  | CONSTRUCTION:  | 2022 - 2023   |
| 7.  | CAPITAL INVESTMENT:  | \$0.4M  |
| 8.  | PLANNED SUBSTATION:  | Westfall  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Provide service to new customer station             |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer     |
| 13. | MISCELLANEOUS:   |   |
| 1.  | LINE NAME AND NUMBER:                                      | Circleville - West Fall 138kV (S2579 TP2020174)     |
| 2.  | POINTS OF ORIGIN AND TERMINATION                           | Circleville - West Fall INTERMEDIATE STATIONS - N/A |
| 3.  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 5.94 mi / 100 ft / 1 circuit (0.1 mi of line work)  |
| 4.  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV                                     |
| 5.  | APPLICATION FOR CERTIFICATE:                               | 2022  |
| 6.  | CONSTRUCTION:  | 2022 - 2023   |
| 7.  | CAPITAL INVESTMENT:  | \$0.4M  |
| 8.  | PLANNED SUBSTATION:  | Westfall  |
| 9.  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10. | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|     |  |  |
|-----|--|--|
| 11. | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Provide service to new customer station                                  |
| 12. | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Unable to provide requested service to customer                          |
| 13. | MISCELLANEOUS:   |  |
| 1   | LINE NAME AND NUMBER:                                      | Pittsburgh Avenue - West Mt. Vernon 69kV (B3312 TP2020889)               |
| 2   | POINTS OF ORIGIN AND TERMINATION                           | Pittsburgh Avenue - West Mt. Vernon INTERMEDIATE STATION - N/A           |
| 3   | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 1.64 / 60 ft / 1 circuit   |
| 4   | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5   | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6   | CONSTRUCTION:  | 2024 - 2025  |
| 7   | CAPITAL INVESTMENT:  | \$2.5M   |
| 8   | PLANNED SUBSTATION:  | N/A  |
| 9   | SUPPORTING STRUCTURES:                                     | Steel  |
| 10  | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11  | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Upgrade West Mt. Vernon area network                                     |
| 12  | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13  | MISCELLANEOUS:   |  |
| 1   | LINE NAME AND NUMBER:                                      | Mt. Vernon - Pittsburgh Avenue (B3312 TP2020889)                         |
| 2   | POINTS OF ORIGIN AND TERMINATION                           | Mt. Vernon - Pittsburgh Avenue INTERMEDIATE STATION - North Mt. Vernon   |
| 3   | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3.1 miles / 60 ft / 1 circuit  |
| 4   | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5   | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6   | CONSTRUCTION:  | 2024 - 2025  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|    |  |  |
|----|--|--|
| 7  | CAPITAL INVESTMENT:  | \$4.83M  |
| 8  | PLANNED SUBSTATION:  | N/A  |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Upgrade West Mt. Vernon area network   |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues                                 |
| 13 | MISCELLANEOUS:   |  |
| 1  | LINE NAME AND NUMBER:                                      | East Leipsic – New Liberty 138kV (B3273 TP2020017)   |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | East Leipsic – New Liberty INTERMEDIATE STATIONS - Shawtown Switch & Rader Road                          |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 17.6 mi / 100 ft / 1 circuit   |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | 2022   |
| 6  | CONSTRUCTION:  | 2023 - 2024  |
| 7  | CAPITAL INVESTMENT:  | \$31.35M   |
| 8  | PLANNED SUBSTATION:  | Rader Road   |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | thermal and voltage violations due to the loss of both the 138 kV sources into the East Leipsic station. |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues                                 |
| 13 | MISCELLANEOUS:   |  |
| 1  | LINE NAME AND NUMBER:                                      | Chatfield - Melmore 138kV (B3249 TP2020255)  |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Chatfield - Melmore INTERMEDIATE STATIONS - N/A  |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 11.2 mi / 100ft / 2 circuit  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|    |  |   |
|----|--|---|
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV   |
| 5  | APPLICATION FOR CERTIFICATE:                               | 2023  |
| 6  | CONSTRUCTION:  | 2024 - 2025   |
| 7  | CAPITAL INVESTMENT:  | \$24.59M  |
| 8  | PLANNED SUBSTATION:  | N/A   |
| 9  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | The Chatfield – Melmore 138kV line is overloaded for a line with stuck breaker contingency  |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues  |
| 13 | MISCELLANEOUS:   |   |
| 1  | LINE NAME AND NUMBER:                                      | Hemlock - Meigs 69kV (B3285 TP2018243)  |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Hemlock - Meigs INTERMEDIATE STATIONS - N/A   |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 6.07 / 60 ft / 1 circuit (4 mi of line work)  |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 69kV / 69 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | N/A   |
| 6  | CONSTRUCTION:  | 2023 - 2024   |
| 7  | CAPITAL INVESTMENT:  | \$12.14M  |
| 8  | PLANNED SUBSTATION:  | N/A   |
| 9  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | N-1-1 of the Ripley 138/69 kV 130 MVA transformer and the Ravenswood – Racine 69 kV and the N-1-1 of the Leon - Ripley 138 kV and the Ravenswood – Racine 69 kV overloads the 4/0 conductor on the line |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues  |
| 13 | MISCELLANEOUS:   |   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|    |  |  |
|----|--|--|
| 1  | LINE NAME AND NUMBER:                                      | East Huntington – North Proctorville #2 138kV (B2602 TP2019292)          |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | East Huntington – North Proctorville #2 INTERMEDIATE STATIONS - N/A      |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 4.5 miles/ 100 ft / 2 circuit  |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | 2023   |
| 6  | CONSTRUCTION:  | 2024 - 2025  |
| 7  | CAPITAL INVESTMENT:  | \$7.0M   |
| 8  | PLANNED SUBSTATION:  | N/A  |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | To fix a N-1-1 overload  |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13 | MISCELLANEOUS:   |  |
| 1  | LINE NAME AND NUMBER:                                      | Darrah - North Proctorville (B2602 TP2019292)                            |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Darrah - North Proctorville INTERMEDIATE STATIONS - N/A                  |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 0.1 miles/ 100 ft / 1 circuit  |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | 2023   |
| 6  | CONSTRUCTION:  | 2024 - 2025  |
| 7  | CAPITAL INVESTMENT:  | \$0.5M   |
| 8  | PLANNED SUBSTATION:  | BREC Switching Station   |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|    |  |  |
|----|--|--|
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | To fix a N-1-1 overload  |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13 | MISCELLANEOUS:   |  |
| 1  | LINE NAME AND NUMBER:                                      | Fremont Center - Old Fort - Tiffin Center 138kV (V4-010 TP2020122)       |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Fremont Center - Old Fort - Tiffin Center INTERMEDIATE STATIONS - N/A    |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 12.6 mi / 100ft / 2 circuit (0.1 mi of line work)                        |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | 2022   |
| 6  | CONSTRUCTION:  | 2022   |
| 7  | CAPITAL INVESTMENT:  | \$1.0M (reimbursable)  |
| 8  | PLANNED SUBSTATION:  | Old Fort   |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Connect and serve new generation customer                                |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Generation deliverability limitation                                     |
| 13 | MISCELLANEOUS:   |  |
| 1  | LINE NAME AND NUMBER:                                      | Biers Run - Lutz 138kV (AC2-059, AD1-072, AD2-016 TP2020190)             |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Biers Run - Lutz INTERMEDIATE STATIONS - N/A                             |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 7.89 mi / 100ft / 1 circuit (0.1 mi of line work)                        |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | 2021   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|    |  |   |
|----|--|---|
| 6  | CONSTRUCTION:  | 2022  |
| 7  | CAPITAL INVESTMENT:  | \$0.31M (reimbursable)  |
| 8  | PLANNED SUBSTATION:  | Lutz  |
| 9  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Connect and serve new generation customer                             |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Generation deliverability limitation                                  |
| 13 | MISCELLANEOUS:   |   |
| 1  | LINE NAME AND NUMBER:                                      | Lutz - Westfall 138kV (AC2-059, AD1-072, AD2-016 TP2020190)           |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Lutz - Westfall INTERMEDIATE STATIONS - N/A                           |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 3.81 mi / 100ft / 1 circuit (0.1 mi of line work)                     |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV   |
| 5  | APPLICATION FOR CERTIFICATE:                               | 2021  |
| 6  | CONSTRUCTION:  | 2022  |
| 7  | CAPITAL INVESTMENT:  | \$0.31M (reimbursable)  |
| 8  | PLANNED SUBSTATION:  | Lutz  |
| 9  | SUPPORTING STRUCTURES:                                     | Steel   |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A   |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Connect and serve new generation customer                             |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Generation deliverability limitation                                  |
| 13 | MISCELLANEOUS:   |   |
| 1  | LINE NAME AND NUMBER:                                      | Hillsboro - Millbrook Park - North Portsmouth 138kV (S2201 TP2019105) |



PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

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| 2  | POINTS OF ORIGIN AND TERMINATION                           | Hillsboro - Millbrook Park INTERMEDIATE STATIONS - Sinking Springs Switch<br>Millbrook Park - North Portsmouth INTERMEDIATE STATIONS - N/A |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 55.2 mi / 100 ft / 1 circuit Hillsboro - STR 48 ~46.9 mi / 2 circuit STR 48 - Millbrook Park ~8.3 mi                                       |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | 1/14/2022  |
| 6  | CONSTRUCTION:  | 2024 - 2025  |
| 7  | CAPITAL INVESTMENT:  | \$142.33M  |
| 8  | PLANNED SUBSTATION:  | N/A  |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild aging infrastructure; improve system reliability   |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Potential for increased transmission line outages  |
| 13 | MISCELLANEOUS:   |  |
| 1  | LINE NAME AND NUMBER:                                      | Lemaster - Ross 138kV (s2222 TP2019260)  |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Lemaster - Ross INTERMEDIATE STATIONS - Fiddlestix Switch & South Bloomingville Switch   |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 43 mi / 100 ft / 1 circuit (0.1 miles of line work)  |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 138 kV / 138 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | 5/5/2022   |
| 6  | CONSTRUCTION:  | 2023 - 2024  |
| 7  | CAPITAL INVESTMENT:  | \$0.8M   |
| 8  | PLANNED SUBSTATION:  | Fiddlestix Switch  |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|    |  |  |
|----|--|--|
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Service to new customer delivery point   |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | New customer load would not have service in required timeframe                         |
| 13 | MISCELLANEOUS:   |  |
| 1  | LINE NAME AND NUMBER:                                      | North Delphos – North Spencerville 69kV (B3346 TP2021590)                              |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Delphos Junction – North Spencerville INTERMEDIATE STATION - East Delphos & Elida Road |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 12.2 mi/ 60 ft / 1 circuit (2.3 miles of line work)                                    |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6  | CONSTRUCTION:  | 2025 - 2026  |
| 7  | CAPITAL INVESTMENT:  | \$4.70M  |
| 8  | PLANNED SUBSTATION:  | N/A  |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Upgrade Delphos area network   |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues               |
| 13 | MISCELLANEOUS:   |  |
| 1  | LINE NAME AND NUMBER:                                      | North Delphos – North Delphos 69kV (B3346 TP2021590)                                   |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Delphos Junction – North Delphos INTERMEDIATE STATION - N/A                            |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 4.09 mi/ 60 ft / 2 circuit (.97 mi of line work)                                       |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6  | CONSTRUCTION:  | 2025 - 2026  |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|    |  |  |
|----|--|--|
| 7  | CAPITAL INVESTMENT:  | \$1.5M   |
| 8  | PLANNED SUBSTATION:  | N/A  |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Upgrade Delphos area network   |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13 | MISCELLANEOUS:   |  |
| 1  | LINE NAME AND NUMBER:                                      | Haviland - Van Wert 69 kV (B3359 TP2020168)                              |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Haviland - Van Wert INTERMEDIATE STATION - North Van Wert Switch         |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 10.04 miles, 60 ft, 1 circuit (2.3 miles of work)                        |
| 4  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6  | CONSTRUCTION:  | 2024 - 2025  |
| 7  | CAPITAL INVESTMENT:  | \$5.49M  |
| 8  | PLANNED SUBSTATION:  | N/A  |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | Rebuild line due to baseline violation                                   |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13 | MISCELLANEOUS:   |  |
| 1  | LINE NAME AND NUMBER:                                      | Sawmill - Lazelle (B3297 TP2020233)                                      |
| 2  | POINTS OF ORIGIN AND TERMINATION                           | Sawmill - Lazelle INTERMEDIATE STATION - N/A                             |
| 3  | RIGHTS-OF-WAY: LENGTH / WIDTH / CIRCUITS                   | 4.23 miles, 60 ft, 1 circuit   |

PUCO FORM FE-T9  
AEP OHIO TRANSMISSION COMPANY  
Specifications of Planned Transmission Lines

|    |  |  |
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| 4  | VOLTAGE: DESIGN / OPERATE                                  | 69 kV / 69 kV  |
| 5  | APPLICATION FOR CERTIFICATE:                               | N/A  |
| 6  | CONSTRUCTION:  | 2026   |
| 7  | CAPITAL INVESTMENT:  | \$12.48M   |
| 8  | PLANNED SUBSTATION:  | N/A  |
| 9  | SUPPORTING STRUCTURES:                                     | Steel  |
| 10 | PARTICIPATION WITH OTHER UTILITIES                         | N/A  |
| 11 | PURPOSE OF THE PLANNED TRANSMISSION LINE                   | To fix a N-1-1 overload  |
| 12 | CONSEQUENCES OF LINE CONSTRUCTION DEFERMENT OR TERMINATION | Increased risk of equipment failure, reliability, and operational issues |
| 13 | MISCELLANEOUS:   |  |

PUCO FORM FE-10  
AEP OHIO TRANSMISSION COMPANY  
Summary of Proposed Substations

| Substation Name            | Voltage(s)<br>(kV) | Type<br>Distribution<br>(D)<br>Transmission<br>(T) | Timing        | Line Association(s)                      | Line Existing<br>or Proposed | Minimum<br>Substation<br>Site Acreage |
|----------------------------|--------------------|--|---------------|--|------------------------------|---------------------------------------|
| Babbitt (s2139 TP2018173)  | 345                | T  | 2019-<br>2022 | Babbitt - Jug Street 345kV               | E/P                          | 10-20<br>expansion                    |
| Babbitt (s2139 TP2018173)  | 345                | T  | 2019-<br>2022 | Babbitt - Kirk 345kV                     | E/P                          | 10-20<br>expansion                    |
| Diamond Street (TP2018189) | 69                 | T  | 2020-22       | Diamond Street - West Louisville 69kV    | E                            | 1                                     |
| Diamond Street (TP2018189) | 69                 | T  | 2020-22       | NE Canton - Diamond Street 69kV          | E                            | 1                                     |
| Divelbiss (TP2011059)      | 69                 | T  | 2021          | Divelbiss - Academia 69 kV               | P                            | 1                                     |
| Divelbiss (TP2011059)      | 69                 | T  | 2021          | Divelbiss - Mt. Vernon (L.R. Coop)       | P                            | 1                                     |
| Divelbiss (TP2011059)      | 69                 | T  | 2021          | Divelbiss Fredericktown 69 kV            | P                            | 1                                     |
| Divelbiss (TP2011059)      | 69                 | T  | 2021          | Divelbiss North Liberty 69 kV            | P                            | 1                                     |
| Guernsey (IPP TP2017217)   | 765                | T  | 2019-<br>2021 | Kammer - Vassell 765kV                   | E                            | 6                                     |
| Hannibal (IPP TP2017122)   | 138                | T  | 2019-<br>2021 | Kammer - Ormet #1 138kV                  | E                            | 4                                     |
| Hannibal (IPP TP2017122)   | 138                | T  | 2019-<br>2021 | Kammer - Ormet #2 138kV                  | E                            | 4                                     |
| Hannibal (IPP TP2017122)   | 138                | T  | 2019-<br>2021 | Kammer - Ormet #3 138kV                  | E                            | 4                                     |
| Hannibal (IPP TP2017122)   | 138                | T  | 2019-<br>2021 | Kammer - Ormet #4 138kV                  | E                            | 4                                     |
| La Rue (b2794 TP2018127)   | 138                | T  | 2019-<br>2022 | Harpster - La Rue                        | E/P                          | 20                                    |
| La Rue (b2794 TP2018127)   | 138                | T  | 2019-<br>2022 | La Rue - North Waldo - West Mount Vernon | E/P                          | 20                                    |
| La Rue (b2794 TP2018127)   | 138                | T  | 2019-<br>2022 | South Kenton - La Rue                    | E/P                          | 20                                    |

PUCO FORM FE-10  
AEP OHIO TRANSMISSION COMPANY  
Summary of Proposed Substations

|                                 |  |   |           |  |     |        |
|---------------------------------|--|---|-----------|--|-----|--------|
| Lockbourne (s2198 TP2019122)    | 138                                      | T | 2020-2022 | Harrison - Lockbourne Switch 138kV                 | E/P | 2.75   |
| Lockbourne (s2198 TP2019122)    | 138                                      | T | 2020-2022 | Lemaster - Lockbourne Switch 138kV                 | E/P | 2.75   |
| Oilers Switch (TP2019200)       | 69<br>(Designed)<br>/ 34.5<br>(Operated) | T | 2019-2021 | New Liberty - Oilers Switch                        | E/P | 20     |
| Oilers Switch (TP2019200)       | 69<br>(Designed)<br>/ 34.5<br>(Operated) | T | 2019-2021 | Oilers - Findlay                                   | E/P | 20     |
| Oilers Switch (TP2019200)       | 69<br>(Designed)<br>/ 34.5<br>(Operated) | T | 2019-2021 | Oilers Switch - North Woodcock                     | E/P | 20     |
| Oilers Switch (TP2019200)       | 69<br>(Designed)<br>/ 34.5<br>(Operated) | T | 2019-2021 | Oilers Switch - South Findlay                      | E/P | 20     |
| Culbertson (s2187 TP2019233)    | 138                                      | T | 2020-2021 | Ohio Central - Philo 138 kV                        | P   | 3 to 5 |
| Boutwell (s2060 TP2018141)      | 138/69                                   | T | 2022      | East Lima - North Findlay 138 kV                   | E   | 3 to 5 |
| Boutwell (s2060 TP2018141)      | 138/69                                   | T | 2022      | Boutwell - Lacers Switch 34.5 kV (69 kV standards) | P   | 3 to 5 |
| Ravin (s2149 TP2019082)         | 69                                       | T | 2023-2025 | Hanover - Stillwell 69 kV                          | P   | 3 to 5 |
| Schlegel (s2149 TP2019193)      | 69                                       | T | 2023-2025 | West Nashville - Shreve - West Millersburg 69 kV   | E   | 3 to 5 |
| Black Diamond (s2149 TP2019193) | 138/69                                   | T | 2023-2025 | Ohio Central - South Millersburg 138 kV            | E/P | TBD    |

PUCO FORM FE-10  
AEP OHIO TRANSMISSION COMPANY  
Summary of Proposed Substations

|                                     |          |   |             |   |     |             |
|-------------------------------------|----------|---|-------------|---|-----|-------------|
| Black Diamond (s2149 TP2019193)     | 138/69   | T | 2023-2025   | South Millersburg - West Millersburg 138 kV | E/P | TBD         |
| Black Diamond (s2149 TP2019193)     | 138/69   | T | 2023-2025   | South Millersburg - Killbuck 69 kV          | P   | TBD         |
| West Crawford (s2395 TP2019143)     | 69 kV    | T | 2023-2025   | West Crawford - East Arlington 69 kV        | P   | TBD         |
| West Crawford (s2395 TP2019143)     | 69 kV    | T | 2023-2025   | West Crawford - South Berwick 69 kV         | P   | TBD         |
| Rangeline (s2395 TP2019143)         | 69/12 kV | T | 2023-2025   | Rangeline - East Arlington 69 kV            | P   | TBD         |
| Rangeline (s2395 TP2019143)         | 69/12 kV | T | 2023-2025   | Rangeline - Kenton 69 kV                    | E   | TBD         |
| Rangeline (s2395 TP2019143)         | 69/12 kV | T | 2023-2025   | Rangeline - Dolahard 69 kV                  | E   | TBD         |
| Rangeline (s2395 TP2019143)         | 69/12 kV | T | 2023-2025   | Rangeline - Forest 69 kV                    | E   | TBD         |
| Otway (S2426 TP2018150)             | 69/12 kV | T | 2022 - 2023 | Otway - Rarden 69kV                         | E/P | Approx 4    |
| Otway (S2426 TP2018150)             | 69/12 kV | T | 2022 - 2023 | Otway - Pipestone 69kV                      | E/P | Approx 4    |
| Innovation (s2578 TP2020255)        | 138 kV   | T | 2023-2024   | Kirk – Innovation 138 kV                    | P   | TBD         |
| Innovation (s2578 TP2020255)        | 138 kV   | T | 2023-2024   | Babbitt – Innovation 138 kV                 | P   | TBD         |
| Alpine Station (s2534 TP2020009)    | 69 kV    | T | 2021-2022   | Alpine - Winesburg SW 69kV                  | P   | Approx 5-10 |
| Alpine Station (s2534 TP2020009)    | 69 kV    | T | 2021-2022   | Alpine - Beartown 69kV                      | P   | Approx 5-10 |
| Alpine Station (s2534 TP2020009)    | 69 kV    | T | 2021-2022   | Alpine - Billar 69kV                        | P   | Approx 5-10 |
| Shie Hill Station (s2534 TP2020009) | 69 kV    | T | 2021-2022   | Shie Hill - Trail SW 69kV                   | E   | Approx 10   |

PUCO FORM FE-10  
AEP OHIO TRANSMISSION COMPANY  
Summary of Proposed Substations

|                                     |        |   |           |                                      |   |           |
|-------------------------------------|--------|---|-----------|--------------------------------------|---|-----------|
| Shie Hill Station (s2534 TP2020009) | 69 kV  | T | 2021-2022 | Shie Hill - Sugarcreek Terminal 69kV | E | Approx 10 |
| Shie Hill Station (s2534 TP2020009) | 69 kV  | T | 2021-2022 | Shie Hill - Yakley Rd SW 69kV        | E | Approx 10 |
| Parsons (s2526 TP2020005)           | 138 kV | T | 2022-2023 | Cyprus - Parsons #1 138KV            | P | TBD       |
| Parsons (s2526 TP2020005)           | 138 kV | T | 2022-2023 | Cyprus - Parsons #2 138KV            | P | TBD       |
| Cyprus (s2526 TP2020005)            | 138 kV | T | 2022-2023 | Cyprus - Parsons #1 138KV            | P | TBD       |
| Cyprus (s2526 TP2020005)            | 138 kV | T | 2022-2023 | Cyprus - Parsons #2 138KV            | P | TBD       |
| Cyprus (s2526 TP2020005)            | 138 kV | T | 2022-2023 | Cyprus - Canal Street 138KV          | P | TBD       |
| Cyprus (s2526 TP2020005)            | 138 kV | T | 2022-2023 | Cyprus - White Road 138KV            | P | TBD       |
| Cottrell (S2464 TP2015095)          | 138 kV | T | 2025-2026 | Cottrell - East Wheelersburg 138kV   | P | Approx 10 |
| Cottrell (S2464 TP2015095)          | 138 kV | T | 2025-2026 | Cottrell - Millbrook Park 138kV      | P | Approx 10 |
| Sweetgum (S2464 TP2015095)          | 138 kV | T | 2025-2026 | Althea - Sweetgum 138KV              | P | Approx 10 |
| Sweetgum (S2464 TP2015095)          | 138 kV | T | 2025-2026 | Sweetgum - Sadiq SW 138KV            | P | Approx 10 |
| Althea (S2464 TP2015095)            | 138 kV | T | 2025-2026 | Althea - Sweetgum 138KV              | P | Approx 10 |
| Sadiq SW (S2464 TP2015095)          | 138 kV | T | 2025-2026 | East Wheelersburg - Sadiq SW 138kV   | P | 8 to 10   |
| Sadiq SW (S2464 TP2015095)          | 138 kV | T | 2025-2026 | Texas Eastern - Sadiq SW 138kV       | P | 8 to 10   |
| Cyprus (s2526 TP2020005)            | 138 kV | T | 2022      | Cyprus - Hartman #1 138 kV           | P | TBD       |
| Cyprus (s2526 TP2020005)            | 138 kV | T | 2022      | Cyprus - Hartman #2 138 kV           | P | TBD       |



PUCO FORM FE-10  
AEP OHIO TRANSMISSION COMPANY  
Summary of Proposed Substations

|                                      |        |   |             |   |   |           |
|--------------------------------------|--------|---|-------------|---|---|-----------|
| Nottingham (AE2-290 TP2020119)       | 138 kV | T | 2021-2022   | Nottingham – BQ Energy 138kV            | P | Approx. 4 |
| Lammer (AE2-072 TP2020176)           | 138 kV | T | 2022 - 2023 | Lammer – Powell Creek (IPP) 138kV       | P | Approx. 4 |
| Lammer (AE2-072 TP2020176)           | 138 kV | T | 2022 - 2023 | Lammer - Richland (FE) 138kV            | P | Approx. 4 |
| Lammer (AE2-072 TP2020176)           | 138 kV | T | 2022 - 2023 | Lammer – East Liepsic 138kV             | P | Approx. 4 |
| Old Fort (V4-010 TP2020122)          | 138 kV | T | 2022        | Old Fort - Tiffin Center 138kV          | P | Approx. 5 |
| Old Fort (V4-010 TP2020122)          | 138 kV | T | 2022        | Fremont Center - Old Fort 138kV         | P | Approx. 5 |
| Old Fort (V4-010 TP2020122)          | 138 kV | T | 2022        | Old Fort - Republic Wind (IPP) 138kV    | P | Approx. 5 |
| West Waldo (AD1-106 TP2020093)       | 138kV  | T | 2022 - 2023 | La Rue - West Waldo 138kV               | P | Approx. 5 |
| West Waldo (AD1-106 TP2020093)       | 138kV  | T | 2022 - 2023 | West Mt Vernon - West Waldo 138kV       | P | Approx. 5 |
| West Waldo (AD1-106 TP2020093)       | 138kV  | T | 2022 - 2023 | West Waldo - Chestnut Solar (IPP) 138kV | P | Approx. 5 |
| Chenoweth (AE2-148 TP2020185)        | 345kV  | T | 2022        | Chenoweth – Fox Squirrel (IPP) 345kV    | P | TBD       |
| Chenoweth (AE2-148 TP2020185)        | 345kV  | T | 2022        | Beatty – Chenoweth 345kV                | P | TBD       |
| Chenoweth (AE2-148 TP2020185)        | 345kV  | T | 2022        | Chenoweth – Greene (DP&L) 345kV         | P | TBD       |
| Kirk (AF2-122 TP2021570)             | 138 kV | T | 2022 - 2023 | Kirk - Union Ridge Solar 138kV          | P | Approx. 4 |
| C2-059, AD1-072, & AD2-016 TP2020122 | 138 kV | T | 2022        | Biers Run - Lutz 138kV                  | P | Approx. 4 |
| C2-059, AD1-072, & AD2-016 TP2020122 | 138 kV | T | 2022        | Lutz - Westfall 138kV                   | P | Approx. 4 |
| C2-059, AD1-072, & AD2-016 TP2020122 | 138 kV | T | 2022        | Lutz - Yellowbud Solar (IPP) 138kV      | P | Approx. 4 |
| Pottawatomie (AE2-298 TP2020206)     | 69kV   | T | 2022        | Haviland - Pottawatomie 69kV            | P | Approx. 7 |
| Pottawatomie (AE2-298 TP2020206)     | 69kV   | T | 2022        | Pottawatomie - South Van Wert 69kV      | P | Approx. 7 |
| Pottawatomie (AE2-298 TP2020206)     | 69kV   | T | 2022        | Pattawatomie - Lightsource (IPP) 69kV   | P | Approx. 7 |
| Bokes Creek (AF1-227 TP2020263)      | 345kV  | T | 2022 - 2023 | Bokes Creek - Gunn Road 345kV           | P | Approx. 7 |
| Bokes Creek (AF1-227 TP2020263)      | 345kV  | T | 2022 - 2023 | Bokes Creek - Marysville 345kV          | P | Approx. 7 |

PUCO FORM FE-10  
AEP OHIO TRANSMISSION COMPANY  
Summary of Proposed Substations

|                                 |       |   |             |   |   |             |
|---------------------------------|-------|---|-------------|---|---|-------------|
| Bokes Creek (AF1-227 TP2020263) | 345kV | T | 2022 - 2023 | Bokes Creek - Union Solar 345kV         | P | Approx. 7   |
| Condit Switch (s2283 TP2019211) | 138kV | T | 2021- 2022  | Condit Switch - Lott 138kV              | P | Approx. 2.5 |
| Condit Switch (s2283 TP2019211) | 138kV | T | 2021- 2022  | Condit Switch - Centerburg 138kV        | P | Approx. 2.5 |
| Condit Switch (s2283 TP2019211) | 138kV | T | 2021- 2022  | Condit Switch - Trent 138kV             | P | Approx. 2.5 |
| Arboles (s2213 TP2018147)       | 138kV | T | 2024- 2025  | Arboles - Don Marquis 138kV             | P | Approx. 8   |
| Arboles (s2213 TP2018147)       | 138kV | T | 2024- 2025  | Arboles - Waverly #1 138kV              | P | Approx. 8   |
| Arboles (s2213 TP2018147)       | 138kV | T | 2024- 2025  | Arboles - South Lucasville 138kV        | P | Approx. 8   |
| Arboles (s2213 TP2018147)       | 138kV | T | 2024- 2025  | Arboles - ACP #1 138kV                  | P | Approx. 8   |
| Arboles (s2213 TP2018147)       | 138kV | T | 2024- 2025  | Arboles - ACP #2 138kV                  | P | Approx. 8   |
| Arboles (s2213 TP2018147)       | 138kV | T | 2024- 2025  | Arboles - DOE #1 138kV                  | P | Approx. 8   |
| Arboles (s2213 TP2018147)       | 138kV | T | 2024- 2025  | Arboles - DOE #2 138kV                  | P | Approx. 8   |
| Granny Run (AC1-082 TP2018091)  | 69 kV | T | 2022 - 2023 | Granny Run - Hemlock 69 kV              | P | Approx. 4   |
| Granny Run (AC1-082 TP2018091)  | 69 kV | T | 2022 - 2023 | Granny Run - Ravenswood 69 kV           | P | Approx. 4   |
| Granny Run (AC1-082 TP2018091)  | 69 kV | T | 2022 - 2023 | Granny Run - AEP Renewables (IPP) 69 kV | P | Approx. 4   |

APPENDIX  
List of Libraries

ADAMS COUNTY PUBLIC LIBRARY  
157 HIGH ST  
PEEBLES OH 45660

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 NE  
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 MANSFIELD ST  
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 ST  
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 WILLETTSVILLE 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 4<sup>TH</sup> 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 4<sup>th</sup> ST  
IRONTON OH 45638-1613

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

LOGAN COUNTY 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 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). 22-1501-EL-FOR**

Summary: Report Long Term Forecast Report electronically filed by Hector Garcia-Santana on behalf of AEP Ohio Transmission Company, Inc.