

**THE DAYTON POWER AND LIGHT COMPANY**

**Long-Term Forecast Report  
to the  
Public Utilities Commission  
of Ohio**

**ELECTRIC**

**2018**

**2018**

**LONG-TERM ELECTRIC FORECAST REPORT**

**SUBMITTED BY**

**THE DAYTON POWER AND LIGHT COMPANY**

**TO**

**THE PUBLIC UTILITIES COMMISSION OF OHIO**

**April 15, 2018**

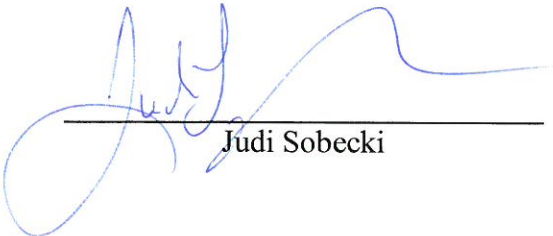
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**STATEMENT  
OF  
JUDI SOBECKI  
VICE PRESIDENT, GENERAL COUNSEL, AND SECRETARY  
THE DAYTON POWER AND LIGHT COMPANY**

I, Judi Sobecki, Vice President, General Counsel, and Secretary of The Dayton Power and Light Company hereby certify that the statement and modifications set forth in the 2018 DAYTON POWER AND LIGHT COMPANY LONG-TERM ELECTRIC FORECAST REPORT as submitted to the Public Utilities Commission of Ohio are true and correct to the best of my knowledge and belief.

I also certify that the requirements of 4901:5-1-03 paragraphs (F) to (I) will be met.


  
\_\_\_\_\_  
Judi Sobecki

**CERTIFICATE OF SERVICE**

I hereby certify that a true and accurate copy of The Dayton Power and Light Company's Long-Term Forecast Report was served by First Class U.S. Mail, postage prepaid, this fifteenth day of April, 2018 upon the following:

Office of the Ohio Consumers' Counsel  
10 West Broad Street, Suite 1800  
Columbus, OH 43215-3485

Furthermore, a Letter of Notification was sent by First Class U.S. Mail to each library listed on pages iv and v of this report.

  
\_\_\_\_\_  
Randall V. Griffin  
Chief Regulatory Counsel

**Public Libraries Receiving Letter of Notification  
Regarding this Ten Year Forecast of  
The Dayton Power and Light Company**

Adams County

West Union Public Library  
212 East Sparks Street  
West Union, OH 45693

Clinton County

Wilmington Public Library  
268 North South Street  
Wilmington, OH 45177

Auglaize County

Auglaize County Public Library  
203 S. Perry Street  
Wapakoneta, OH 45895

Darke County

Greenville Public Library  
520 Sycamore Street  
Greenville, OH 45331

Auglaize County

St. Marys Community Public Library  
140 South Chestnut Street  
St. Marys, OH 45885

Delaware County

Delaware County District Library  
84 E. Winter St.  
Delaware, OH 43015

Brown County

Brown County Library Business Office  
613 S. High St.  
P.O. Box 527  
Mt. Orab, OH 45154

Fayette County

Carnegie Public Library  
127 South North Street  
Washington C.H., OH 43160

Butler County

Lane Public Library  
300 North Third St.  
Hamilton, OH 45011

Greene County

Greene County District Library  
76 East Market Street  
Xenia, OH 45385

Butler County

MidPointe Library Middletown  
125 S. Broad St.  
Middletown, OH 45044

Greene County

Hallie Q. Brown Memorial Library  
Central State University  
1400 Brush Row Road  
PO Box 1004  
Wilberforce, OH 45384

Champaign County

Champaign County Library  
1060 Scioto St.  
Urbana, OH 43078

Hardin County

Hardin County District Library  
325 East Columbus Street  
Kenton, OH 43326

Clark County

Clark County Public Library  
201 S. Fountain Ave.  
Springfield, OH 45501

Highland County

Highland County District Library  
10 Willettsville Pike  
Hillsboro, OH 45133

**Public Libraries Receiving Letter of Notification  
Regarding this Ten Year Forecast of  
The Dayton Power and Light Company**

Logan County  
Knowlton Library  
220 N. Main St.  
Bellefontaine, OH 43311

Madison County  
London Public Library  
20 East First Street  
London, OH 43140

Madison County  
West Jefferson Public Library  
270 Lilly Chapel Road  
West Jefferson, OH 43162

Mercer County  
Mercer County District Library  
303 North Main Street  
Celina, OH 45822

Miami County  
Troy-Miami County Public Library  
419 West Main Street  
Troy, OH 45373

Montgomery County  
Dayton and Montgomery County  
Public Library  
215 East Third Street  
Dayton, OH 45402

Pickaway County  
Pickaway County District Library  
1160 North Court Street  
Circleville, OH 43113

Preble County  
Preble County District Library  
450 South Barron Street  
Eaton, OH 45320

Ross County  
The Chillicothe and Ross County  
Public Library  
140 South Paint Street  
Chillicothe, OH 45601

Shelby County  
Amos Memorial Public Library  
230 East North Street  
Sidney, OH 45365

Union County  
Marysville Public Library  
231 S. Plum St.  
Marysville, OH 43040

Van Wert County  
Brumback Library  
215 West Main Street  
Van Wert, OH 45891

Warren County  
Lebanon Public Library  
101 South Broadway  
Lebanon, OH 45036

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## **ELECTRIC TRANSMISSION FORECAST**

### **(B) Transmission Energy Data and Peak Demand Forecast Forms**

**Form FE-T1** provides historical and forecast interconnection data, which includes energy received from generating sources, other energy receipts, and energy deliveries. The historical period of five years is for 2013 – 2017, and the forecast period of eleven years is for 2018 – 2028, which includes the current year. Since all of DP&L's interconnection points are located within Ohio, columns 2, 5, and 9 are not applicable.

**Form FE-T2** provides historical and forecast summer and winter transmission peak data. Internal and native peak loads are shown separately. The historical period of five years is for 2013 – 2017, and the forecast period of eleven years is for 2018 – 2028, which includes the current year. In addition to DP&L's distribution peak loads, the peak values on this form also include the peak demands of Buckeye, AMP-Ohio, and the City of Piqua.

**Form FE-T3** provides a monthly transmission energy forecast for Year 0 and Year 1 (2018 and 2019).

**Form FE-T4** provides a monthly peak forecast for Year 0 and Year 1.

**Form FE-T5** Parts A, B, and C provide monthly information on energy receipts, energy deliveries, and losses for 2017. DP&L does not have information on whether the receipts or deliveries shown were under firm or non-firm contracts. As a result, only total receipts, deliveries, and losses are shown.

**Form FE-T6** provides information on the time and amount of monthly peak demands, as well as any applicable outages or operating procedures.



**PUCO Form FE-T1:  
Transmission Energy Delivery Forecast  
(Megawatt-Hours Per Year)<sup>a</sup>**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
			(1)+(2)			(4)+(5)	(3)+(6)			(9)+(9)	(7)-(10)		(11)-(12)
	<b>Energy Receipts from Generation Sources</b>												
	<b>Energy Receipts from Generation Sources Connected to the System Outside Ohio</b>			<b>Energy Receipts at Interconnections with Other Transmission Companies Outside Ohio</b>			<b>Energy Receipts at Interconnections with Other Transmission Companies Outside Ohio</b>			<b>Energy Receipts at Interconnections with Other Transmission Companies Outside Ohio</b>			<b>Energy Deliveries For Loads Connected to the System Outside Ohio</b>
<b>Year</b>	<b>Connected to the Owner's System Inside Ohio</b>	<b>Generation Sources Outside Ohio</b>	<b>Total Receipts from Generation Sources</b>	<b>Interconnections with Other Transmission Companies Outside Ohio</b>	<b>Interconnections with Other Transmission Companies Outside Ohio</b>	<b>Total Receipts at Interconnections with Other Transmission Companies Outside Ohio</b>	<b>Total Receipts at Interconnections with Other Transmission Companies Outside Ohio</b>	<b>Interconnections with Other Transmission Companies Outside Ohio</b>	<b>Interconnections with Other Transmission Companies Outside Ohio</b>	<b>Total Energy Deliveries at Interconnections with Other Transmission Companies Outside Ohio</b>	<b>Total Energy Deliveries at Interconnections with Other Transmission Companies Outside Ohio</b>	<b>Total Energy Deliveries at Interconnections with Other Transmission Companies Outside Ohio</b>	
-5 2013	17,047,564	0	17,047,564	17,655,608	0	17,655,608	34,703,172	17,279,298	0	17,279,298	17,423,874	17,423,874	0
-4 2014	14,342,541	0	14,342,541	17,485,153	0	17,485,153	31,827,694	14,205,637	0	14,205,637	17,622,057	17,622,057	0
-3 2015	13,661,011	0	13,661,011	17,027,904	0	17,027,904	30,688,915	13,257,441	0	13,257,441	17,431,474	17,431,474	0
-2 2016	15,381,388	0	15,381,388	16,756,302	0	16,756,302	32,137,690	14,313,615	0	14,313,615	17,824,075	17,824,075	0
-1 2017	11,556,588	0	11,556,588	17,594,499	0	17,594,499	29,151,087	11,805,611	0	11,805,611	17,345,476	17,345,476	0
0 2018	6,929,319	0	6,929,319	17,612,093	0	17,612,093	24,541,412	7,178,591	0	7,178,591	17,362,821	17,362,821	0
1 2019	3,821,305	0	3,821,305	17,629,706	0	17,629,706	21,451,011	4,070,826	0	4,070,826	17,380,184	17,380,184	0
2 2020	3,825,127	0	3,825,127	17,647,335	0	17,647,335	21,472,462	4,074,897	0	4,074,897	17,397,564	17,397,564	0
3 2021	3,828,952	0	3,828,952	17,664,983	0	17,664,983	21,493,934	4,078,972	0	4,078,972	17,414,962	17,414,962	0
4 2022	3,832,781	0	3,832,781	17,682,648	0	17,682,648	21,515,428	4,083,051	0	4,083,051	17,432,377	17,432,377	0
5 2023	3,836,613	0	3,836,613	17,700,330	0	17,700,330	21,536,944	4,087,134	0	4,087,134	17,449,809	17,449,809	0
6 2024	3,840,450	0	3,840,450	17,718,031	0	17,718,031	21,558,481	4,091,221	0	4,091,221	17,467,259	17,467,259	0
7 2025	3,844,290	0	3,844,290	17,735,749	0	17,735,749	21,580,039	4,095,313	0	4,095,313	17,484,726	17,484,726	0
8 2026	3,848,135	0	3,848,135	17,753,484	0	17,753,484	21,601,619	4,099,408	0	4,099,408	17,502,211	17,502,211	0
9 2027	3,851,983	0	3,851,983	17,771,238	0	17,771,238	21,623,221	4,103,507	0	4,103,507	17,519,713	17,519,713	0
10 2028	3,855,835	0	3,855,835	17,789,009	0	17,789,009	21,644,844	4,107,611	0	4,107,611	17,537,233	17,537,233	0

a. To be filled out by electric transmission owners operating in Ohio.

**PUCO FORM FE-T2:**  
**ELECTRIC TRANSMISSION OWNER'S SYSTEM SEASONAL PEAK LOAD DEMAND FORECAST**  
**(Megawatts)<sup>a</sup>**

NATIVE LOAD <sup>b</sup>				INTERNAL LOAD <sup>c</sup>	
	<u>Year</u>	<u>Summer</u>	<u>Winter<sup>d</sup></u>	<u>Summer</u>	<u>Winter<sup>d</sup></u>
-5	2013	3401	3187	3401	3187
-4	2014	3192	3005	3192	3005
-3	2015	3272	2889	3272	2889
-2	2016	3331	2924	3331	2924
-1	2017	3213	3007	3213	3007
0	2018	3286	2908	3459	2928
1	2019	3293	2887	3466	2907
2	2020	3296	2744	3445	2893
3	2021	3285	2747	3434	2896
4	2022	3290	2761	3439	2910
5	2023	3296	2761	3445	2910
6	2024	3309	2754	3459	2904
7	2025	3317	2766	3467	2916
8	2026	3328	2774	3479	2925
9	2027	3341	2781	3492	2932
10	2028	3356	2783	3508	2935

a. To be filled out by electric transmission owners in Ohio.

b. Excludes interruptible load.

c. Includes interruptible load.

d. Winter load reference is to peak loads which follow the summer peak load.

**PUCO FORM FE-T3:**  
**ELECTRIC TRANSMISSION OWNER'S TOTAL MONTHLY ENERGY FORECAST**  
**(Megawatt-Hours/Month)**

<u>YEAR 0<sup>d</sup></u>	<u>OHIO</u> <u>PORTION<sup>a</sup></u>	<u>TOTAL</u> <u>SERVICE AREA<sup>b</sup></u>	<u>TOTAL</u> <u>SYSTEM<sup>c</sup></u>
January*	1,712,853		
February*	1,392,170		
March	1,487,000		
April	1,384,000		
May	1,433,000		
June	1,559,000		
July	1,694,000		
August	1,697,000		
September	1,428,000		
October	1,453,000		
November	1,444,000		
December	1,583,000		
Total	18,267,023		

<u>YEAR 1<sup>d</sup></u>	
January	1,665,000
February	1,466,000
March	1,488,000
April	1,390,000
May	1,436,000
June	1,557,000
July	1,703,000
August	1,692,000
September	1,432,000
October	1,457,000
November	1,434,000
December	1,574,000
Total	18,294,000

- a. Electric transmission owner shall provide or cause to be provided data for the Ohio portion of its service area in this column.
- b. Electric transmission owner operating across Ohio boundaries shall provide or cause to be provided data for the total service area in this column.
- c. Electric transmission owner operating as part of an integrated operating system shall provide data for the total system in this column.
- d. Actual data shall be indicated with an asterisk (\*).

**PUCO FORM FE-T4:**  
**ELECTRIC TRANSMISSION OWNER'S MONTHLY INTERNAL PEAK LOAD FORECAST**  
**(Megawatts)**

<u>YEAR 0 (d)</u>	<u>OHIO</u> <u>PORTION (a)</u>	<u>TOTAL</u> <u>SERVICE AREA (b)</u>	<u>SYSTEM (c)</u>
January*	3007		
February*	2742		
March	2571		
April	2510		
May	2810		
June	3265		
July	3459		
August	3413		
September	2964		
October	2554		
November	2547		
December	2808		

YEAR 1 (d)

January	2928
February	2826
March	2590
April	2532
May	2826
June	3247
July	3466
August	3396
September	3015
October	2557
November	2531
December	2787

- (a) Electric transmission owner shall provide or cause to be provided data for the Ohio portion of its service area in this column.
- (b) Electric transmission owner operating across Ohio boundaries shall provide or cause to be provided data for the total service area in this column.
- (c) Electric transmission owner operating as part of an integrated operating system shall provide data for the total system in this column.
- (d) Actual data shall be indicated with an asterisk (\*).

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** January 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			707,827
Energy Receipts From Other Sources			1,900,268
Total Energy Receipts			2,608,095

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

**Reporting Month:** January 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,277,549
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			134,120
Municipal-Owned Electric Systems			97,240
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			1,052,977
<b>Total Energy Deliveries</b>			<b>2,561,887</b>

**Reporting Month:** January 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,277,549
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			134,120
Municipal-Owned Electric Systems			97,240
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			1,052,977
<b>Total Energy Deliveries</b>			<b>2,561,887</b>

PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For  
(MWh)

Reporting Month: January 2017

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>			46,208

(a) FE-T5 Part A minus FE-T5 Part B (1).

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** February 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			552,963
Energy Receipts From Other Sources			1,696,058
<b>Total Energy Receipts</b>			<b>2,249,021</b>



**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

Reporting Month: February 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,083,369
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			116,956
Municipal-Owned Electric Systems			83,749
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			927,224
Total Energy Deliveries			2,211,298

Reporting Month: February 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,083,369
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			116,956
Municipal-Owned Electric Systems			83,749
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			927,224
Total Energy Deliveries			2,211,298

PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For  
(MWh)

Reporting Month: February 2017

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>			37,723

(a) FE-T5 Part A minus FE-T5 Part B (1).

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** March 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			1,060,565
Energy Receipts From Other Sources			1,433,926
<b>Total Energy Receipts</b>			<b>2,494,491</b>

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

Reporting Month: March 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,184,160
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			129,756
Municipal-Owned Electric Systems			91,461
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			1,048,911
Total Energy Deliveries			2,454,288

Reporting Month: March 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,184,160
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			129,756
Municipal-Owned Electric Systems			91,461
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			1,048,911
Total Energy Deliveries			2,454,288

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part C: Losses and Unaccounted For**  
**(MWh)**

**Reporting Month:** March 2017

**1. Losses and Unaccounted For (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>			40,203

(a) FE-T5 Part A minus FE-T5 Part B (1).

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** April 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			1,127,902
Energy Receipts From Other Sources			1,230,071
Total Energy Receipts			2,357,973

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

Reporting Month: April 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,022,158
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			110,019
Municipal-Owned Electric Systems			80,479
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			1,112,096
Total Energy Deliveries			2,324,752

Reporting Month: April 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,022,158
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			110,019
Municipal-Owned Electric Systems			80,479
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			1,112,096
Total Energy Deliveries			2,324,752

PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For  
(MWh)

Reporting Month: April 2017

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>			33,221

(a) FE-T5 Part A minus FE-T5 Part B (1).



**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** May 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	<b>Firm Transmission Service</b>	<b>Non-Firm Transmission Service</b>	<b>Total</b>
<b>Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System</b>			<b>1,097,374</b>
<b>Energy Receipts From Other Sources</b>			<b>1,325,027</b>
<b>Total Energy Receipts</b>			<b>2,422,401</b>

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

Reporting Month: May 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,106,838
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			119,497
Municipal-Owned Electric Systems			87,214
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			1,074,946
Total Energy Deliveries			2,388,495

Reporting Month: May 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,106,838
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			119,497
Municipal-Owned Electric Systems			87,214
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			1,074,946
Total Energy Deliveries			2,388,495

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part C: Losses and Unaccounted For**  
**(MWh)**

**Reporting Month:** May 2017

**1. Losses and Unaccounted For (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>			33,906

(a) FE-T5 Part A minus FE-T5 Part B (1).

PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part A: Sources of Energy

Reporting Month: June 2017

1. Energy Receipts From All Sources by Type: (MWh)

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			983,953
Energy Receipts From Other Sources			1,423,987
Total Energy Receipts			2,407,940

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

Reporting Month: June 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,226,241
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			129,263
Municipal-Owned Electric Systems			96,135
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			913,726
Total Energy Deliveries			2,365,365

Reporting Month: June 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,226,241
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			129,263
Municipal-Owned Electric Systems			96,135
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			913,726
Total Energy Deliveries			2,365,365

PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For  
(MWh)

Reporting Month: June 2017

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>			42,575

(a) FE-T5 Part A minus FE-T5 Part B (1).

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** July 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			1,103,467
Energy Receipts From Other Sources			1,468,530
Total Energy Receipts			2,571,997

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

Reporting Month: July 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,345,239
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			130,619
Municipal-Owned Electric Systems			101,391
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			950,326
Total Energy Deliveries			2,527,575

Reporting Month: July 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,345,239
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			130,619
Municipal-Owned Electric Systems			101,391
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			950,326
Total Energy Deliveries			2,527,575



PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For  
(MWh)

Reporting Month: July 2017

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>			44,422

(a) FE-T5 Part A minus FE-T5 Part B (1).

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** August 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			1,101,179
Energy Receipts From Other Sources			1,475,232
Total Energy Receipts			2,576,411

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

Reporting Month: August 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,300,937
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			136,652
Municipal-Owned Electric Systems			101,541
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			991,684
Total Energy Deliveries			2,530,814

Reporting Month: August 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,300,937
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			136,652
Municipal-Owned Electric Systems			101,541
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			991,684
Total Energy Deliveries			2,530,814

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part C: Losses and Unaccounted For**  
**(MWh)**

**Reporting Month:** August 2017

**1. Losses and Unaccounted For (MWh)**

	<b>Firm Transmission Service</b>	<b>Non-Firm Transmission Services</b>	<b>Total</b>
Sources minus Delivery <sup>a</sup>			45,597

(a) FE-T5 Part A minus FE-T5 Part B (1).

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** September 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			964,073
Energy Receipts From Other Sources			1,222,758
<b>Total Energy Receipts</b>			<b>2,186,831</b>

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

Reporting Month: September 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,130,902
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			121,449
Municipal-Owned Electric Systems			89,383
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			811,922
Total Energy Deliveries			2,153,656

Reporting Month: September 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,130,902
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			121,449
Municipal-Owned Electric Systems			89,383
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			811,922
Total Energy Deliveries			2,153,656

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part C: Losses and Unaccounted For**  
**(MWh)**

Reporting Month: September 2017

**1. Losses and Unaccounted For (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>			33,175

(a) FE-T5 Part A minus FE-T5 Part B (1).

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** October 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			1,014,980
Energy Receipts From Other Sources			1,295,231
<b>Total Energy Receipts</b>			<b>2,310,211</b>



PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part B: Delivery of Energy

Reporting Month: October 2017

1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,116,768
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			126,160
Municipal-Owned Electric Systems			87,884
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			942,747
Total Energy Deliveries			2,273,559

Reporting Month: October 2017

2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,116,768
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			126,160
Municipal-Owned Electric Systems			87,884
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			942,747
Total Energy Deliveries			2,273,559

PUCO Form FE-T5  
Monthly Energy Transactions For the Most Recent Year  
(Total MWh/Month)

Part C: Losses and Unaccounted For  
(MWh)

Reporting Month: October 2017

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>			36,652

(a) FE-T5 Part A minus FE-T5 Part B (1).

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** November 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			978,677
Energy Receipts From Other Sources			1,372,639
Total Energy Receipts			2,351,316

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

Reporting Month: November 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,142,223
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			126,980
Municipal-Owned Electric Systems			84,933
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			960,520
Total Energy Deliveries			2,314,656

Reporting Month: November 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,142,223
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			126,980
Municipal-Owned Electric Systems			84,933
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			960,520
Total Energy Deliveries			2,314,656

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part C: Losses and Unaccounted For**  
**(MWh)**

**Reporting Month:** November 2017

**1. Losses and Unaccounted For (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>			36,660

(a) FE-T5 Part A minus FE-T5 Part B (1).

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part A: Sources of Energy**

**Reporting Month:** December 2017

**1. Energy Receipts From All Sources by Type: (MWh)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
Energy Receipts From Power Plants Directly Connected to the Electric Transmission Owner's Transmission System			863,628
Energy Receipts From Other Sources			1,750,772
Total Energy Receipts			2,614,400

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part B: Delivery of Energy**

Reporting Month: December 2017

**1. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,316,652
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			135,725
Municipal-Owned Electric Systems			96,609
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			1,018,532
Total Energy Deliveries			2,567,518

Reporting Month: December 2017

**2. Energy Deliveries to All Points Connected to the Electric Transmission Owner's System Located in Ohio (MWh)**

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			1,316,652
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			135,725
Municipal-Owned Electric Systems			96,609
Federal and State Electric Agencies			
Other End User Service			
For Non-Distribution Service (Transmission to Transmission Service)			1,018,532
Total Energy Deliveries			2,567,518

**PUCO Form FE-T5**  
**Monthly Energy Transactions For the Most Recent Year**  
**(Total MWh/Month)**

**Part C: Losses and Unaccounted For**  
**(MWh)**

**Reporting Month:** December 2017

**1. Losses and Unaccounted For (MWh)**

	<b>Firm Transmission Service</b>	<b>Non-Firm Transmission Services</b>	<b>Total</b>
<b>Sources minus Delivery<sup>a</sup></b>			<b>46,882</b>

**(a) FE-T5 Part A minus FE-T5 Part B (1).**



### Conditions at Time of Monthly Peak (Megawatts)

[illegible]

**(C) The Existing Transmission System**

**Form FE-T7** provides a summary of existing DP&L transmission lines (which are designed to operate at 125 kV and above). It is divided into five groups. The first group is the existing 345 kV transmission lines jointly-owned as tenants in common with undivided ownership by the Duke Energy Ohio (DEO), Ohio Power (OP) and The Dayton Power and Light Company (DP&L). The second group is the existing 345 kV transmission lines jointly-owned as tenants in common with undivided ownership by DEO and DP&L. The third group is the existing 345 kV transmission lines wholly-owned by DP&L. The fourth group is the existing 138 kV transmission lines wholly-owned by DP&L. The fifth group is the existing circuits operating at 69 kV or below, that are designed for 138 kV and wholly-owned by DP&L. This group includes many small sections of longer 69 kV transmission lines that are designed for 138 kV.

**Form FE-T8** provides a summary of the existing DP&L substations designed for 125 kV or above, including their transmission voltages, and the existing and future lines associated with the substations. It is divided into three groups. The first group is the existing substations that are operated by DP&L. The second group is the existing commonly-owned transmission substations not operated by DP&L. The third group is foreign substations, owned by retail customers, a municipal power system, or Buckeye Power members.

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**

Commonly Owned Transmission-Owned as Tenants in Common with Undivided Ownership-Total Mileage Given  
Duke Energy Ohio - DEO  
Ohio Power Company - OP  
The Dayton Power & Light Company - DP&L

Line No. & Resp. Owner**	Point of Origin and Terminus	Line Capacity (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
B01 DEO	Beckjord-Pierce	1195	1315	1195	1315	345	345	0.3	150	Steel Towers	1	1	
B02 DEO	Pierce-Foster	1195	1315	1195	1315	345	345	23.4 0.6	150 150	Steel Towers Steel Towers	2 1	2 (B44) 1	
B03 DP&L	Sugarcreek-Greene	1255	1374	1255	1374	345	345	0.5 # 2.7 # 6.9 1.4	150 150 150 150	Steel Poles Steel Towers Steel Poles Steel Towers	2 2 2 1	2 (B24) 2 (B24) 2 (B98) 1	
B06* DP&L/ OP	Greene-Beatty (OP)	1239	1374	1255	1374	345	345	5.4 6.2 0.6 33.1 3.7	150 150 150 150 150	Steel Towers Steel Towers Wood H Frame Steel Towers Steel Towers	2 1 1 1 2	1 1 1 1 2 (B42)	

# = These sections owned entirely by the Dayton Power & Light Company  
\* = Indicates an Interconnection Line  
\*\* = Company with Operating & Maintenance responsibility  
( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**

Commonly Owned Transmission-Owned as Tenants in Common with Undivided Ownership-Total Mileage Given  
Duke Energy Ohio - DEO  
Ohio Power Company - OP  
The Dayton Power & Light Company - DP&L

Line No. & Resp. Owner**	Point of Origin and Terminus	Line Capacity (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Energ.	Normal	Energ.								
B07 OP	Don Marquis (OP) – Biers Run - Bixby	1219	1279	1219	1279	345	345	2.5	150	Steel Towers	2	1	
								43.4	150	Steel Towers	1	1	
								17.3	150	Steel Towers	1	1	
								8.5	150	Steel Towers	2	2 (B31)	
B08 DP&L	Clinton-Greene	1255	1374	1255	1374	345	345	22.1	150	Steel Towers	1	1	
								0.6	150	Wood H-Frames	1	1	
								2.1	150	Steel Towers	1	1	
								1.4	150	Steel Towers	2	2 (B98)	
B09 DP&L	Stuart-Clinton	1255	1374	1255	1374	345	345	0.1	150	Steel Towers	2	2 (B42)	
								54.0	150	Steel Towers	1	1	
B10 OP	Stuart-Killen	1233	1374	1255	1374	345	345	13.1	150	Steel Towers	1	1	
								3.5 #	150	Steel Towers	2	1	
								2.0 #	150	Steel Poles	2	1	

# = These sections owned and maintained entirely by the Dayton Power & Light Company  
\* = Indicates an Interconnection Line  
\*\* = Company with Operating & Maintenance responsibility  
( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**

Commonly Owned Transmission-Owned as Tenants in Common with Undivided Ownership-Total Mileage Given  
Duke Energy Ohio - DEO  
Ohio Power Company - OP  
The Dayton Power & Light Company - DP&L

Line No. & Resp. Owner**	Point of Origin and Terminus	Line Capacity (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
B11* DEO	Stuart-Hillcrest (DEO)	1255	1374	1255	1374	345	345	0.6	150	Steel Towers	2	1	
								55.2	150	Steel Towers	1	1	
								0.2	150	Steel Poles	1	1	
								1.4	150	Steel Towers	2	2 (B98)	
								1.6	150	Steel H-Frame	3	3(B98)(B24)	
B24* DP&L	Sugarcreek-Foster (DEO)	1263	1561	1750	1800	345	345	0.2	150	Steel Towers	2	2 (B98)	
								24.1	150	Steel Poles	2	2 (B98)	
								2.7 #	150	Steel Towers	2	2 (B03)	
								0.5 #	150	Steel Poles	2	2 (B03)	
								1.4	150	Steel Poles	1	1	
								1.6	150	Steel H-Frame	3	3(B11)(B98)	
B31 OP	Beatty-Bixby	988	1281	1042	1338	345	345	4.7	150	Steel Towers	1	1	
								8.5	150	Steel Towers	2	2 (B07)	
B33 OP	Bixby-Corridor	1302	1673	1302	1673	345	345	14.9	150	Steel Towers	2	2 (B43)	
								22.6	150	Wood H Frame	1	1	Kirk (OP)
B40 OP	Conesville-Hyatt	1219	1279	1195	1374	345	345	57.0	150	Steel Towers	1	1	
								11.2	150	Steel Towers	2	2 (OP)	

# = These sections owned entirely by the Dayton Power & Light Company  
\* = Indicates an Interconnection Line  
\*\* = Company with Operating & Maintenance responsibility  
( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**

Commonly Owned Transmission-Owned as Tenants in Common with Undivided Ownership-Total Mileage Given  
Duke Energy Ohio - DEO  
Ohio Power Company - OP  
The Dayton Power & Light Company - DP&L

Line No. & Resp. Owner**	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
B41* DEO	Stuart-Spurlock (EKPC)	1240	1374	1255	1374	345	345	0.3	150	Steel Towers	2	1	
								34.8	150	Steel Towers	1	1	
								0.8	150	Steel Towers	2	2 (B44)	
B42* OP	Adkins-Beatty (OP)	1233	1374	1587	1787	345	345	4.8	150	Steel Towers	1	1	
								15.2	150	Steel Towers	1	1	
								3.7	150	Steel Towers	2	2 (B06)	
B43 CSP	Conesville-Bixby	1195	1374	1195	1374	345	345	50.9	150	Wood H Frame	1	1	
								14.9	150	Steel Towers	2	2 (B33)	
B44 DEO	Zimmer-Port Union	1195	1315	1195	1315	345	345	0.8	150	Steel Towers	2	2 (B41)	
								9.7	150	Steel Towers	1	1	
								23.4	150	Steel Towers	2	2 (B02)	Deerfield (DEO)
								11.7	150	Steel Towers	2	2 (DEO)	
B45 DEO	Zimmer-State Line	1264	1538	1264	1538	345	345	0.4	---	Steel Towers	1	1	

\* = Indicates an Interconnection Line  
\*\* = Company with Operating & Maintenance responsibility  
( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**

Commonly Owned Transmission-Owned as Tenants in Common with Undivided Ownership-Total Mileage Given  
Duke Energy Ohio - DEO  
Ohio Power Company - OP  
The Dayton Power & Light Company - DP&L

Line No. & Resp. Owner**	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
		Terminal-State Line	1195	1315	1195	1315	345	345	5.5	100	2	2 (DEO)	Red Bank (DEO)
B46 DEO								0.9	150	Steel Towers	1	1	
								12.9	100	Steel Towers	2	2 (DEO)	
								0.8	100	Steel Towers	1	1	
B49* OP	Killen-Don Marquis (OP)	1233	1374	1255	1374	345	345	6.5 #	150	Steel Towers	2	1	
								28.1	150	Steel Towers	1	1	
B52 OP	Stuart-Atlanta	1195	1195	1195	1195	345	345	0.3	150	Steel Towers	1	1	
								69.9	150	Steel Towers	1	1	

# = These sections owned and maintained entirely by the Dayton Power & Light Company  
 \* = Indicates an Interconnection Line  
 \*\* = Company with Operating & Maintenance responsibility  
 ( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**

Commonly Owned Transmission-Owned as Tenants in Common with Undivided Ownership-Total Mileage Given  
Duke Energy Ohio - DEO  
The Dayton Power & Light Company - DP&L

Line No. & Resp. Owner**	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length Miles	Width Feet		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
		Woodsdale-Todhunter	1195	1315	1195	1315	345	345	4.7	150	Steel Towers	2	2 (DEO)
B91* DEO	West Milton- Miami Fort (DEO) (Miami Fort-Seven Mile Section)	1093	1195	1195	1195	345	345	33.3 1.3	150 150	Steel Towers Steel Towers	2 1	2 (B92) 1	
B92 DEO	Miami Fort-Woodsdale	1195	1315	1195	1315	345	345	33.3 4.8	150 150	Steel Towers Steel Towers	2 1	2 (B91) 1	
B98* DP&L	Bath-Foster (DEO)	1263	1556	1684	1800	345	345	0.2 1.4 1.6 24.1 6.9 1.4 0.1 4.6	150 150 150 150 150 150 150 150	Steel Towers Steel Towers Steel H-Frames Steel Poles Steel Poles Steel Towers Steel Poles Steel Towers	2 2 3 2 2 2 1 2	2 (B24) 2 (B11) 3 (B11)(B24) 2 (B24) 2 (B03) 2 (B08) 1 2 (B26)	

\* = Indicates an Interconnection Line  
\*\* = Company with Operating & Maintenance responsibility  
( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure



**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**

Wholly-Owned by  
The Dayton Power & Light Company  
(Operate at 345kV)

Line No.	Point of Origin and Terminus	Line Capacity (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structure	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
B25	Miami-Bath	1255	1374	1255	1374	345	345	6.0 14.7	150 150	Steel Towers Steel Towers	2 2	2 (B838) 2 (B831)	
B26	Greene-Bath	1255	1374	1255	1374	345	345	4.6	150	Steel Towers	2	2 (B98)	
B27*	Shelby-Dinsmore Interconnection Point (OP)	1000	1315	1000	1315	345	345	9.3	150	Steel Towers	1	1	
B28	Miami-Shelby	1255	1374	1255	1374	345	345	7.7 17.5	150 150	Steel Towers Steel Towers	2 1	1 1	
B90	West Milton-Miami	1195	1195	1195	1195	345	345	8.8	150	Steel Poles	2	2 (B807)	
B91*	West Milton- Miami Fort (CG&E) (West Milton-Seven Mile Section)	1093	1195	1195	1195	345	345	22.2 15.3	150 150	Steel Poles Steel Poles	1 2	1 1	

\* = Indicates an Interconnection Line  
( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 138 kV)

Line No.	Point of Origin and Terminus	Line Capacity (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer Normal	Summer Emerg.	Winter Normal	Winter Emerg.	Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
A03*	Hutchings-Monroe Interconnection Point (CSP) (Hutchings-Trenton)	185	191	185	191	138	138	0.3	100	Wood H Frame	1	1	
						138	345	11.4	150	Steel Towers	2 (a)	2 (A04)	
						138	138	1.7	100	Wood H Frame	1	1	
						138	138	1.3	CL	Wood Poles	1	1	
A04*	Hutchings-Union Village Interconnection Point (CSP) (Hutchings-Hillsboro)	189	262	189	262	138	138	0.2	150	Steel Towers	2	2 (A05)	
						138	138	0.1	150	Steel Towers	1	1	
						138	345	11.4	150	Steel Towers	2 (a)	2 (A03)	
						138	345	4.4	150	Steel Towers	1	1	
						138	138	0.1	CL	Wood Poles	1	1	
A05	Hutchings-Sugarcreek	196	216	196	216	138	138	0.2	CL	Steel Towers	2	2 (A04)	
								0.9	CL	Steel Towers	2	1	
								10.3	CL	Wood H Frame	1	1	
								0.4	CL	Undg. Cable	1	1	
								0.1	50	Wood Poles	1	1	
A06	Sugarcreek-Bellbrook	301	419	402	432	138	138	1.2	CL	Wood Poles	1	1	
								1.6	CL	Wood H Frame	1	1	
B807	Miami-West Milton	301	330	301	330	138	345	8.8	150	Steel Poles	2	2 (B90)	

( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
CL = CenterLine Description - No Width  
(a) = Double Circuit 138 kV Convertible to Single Circuit 345 kV

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 138 kV)

Line No.	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
A08	Hutchings-Crown	191	234	263	293	138	138	0.3	CL	Steel Towers	2	2 (A611)	
								10.3	CL	Wood Poles	1	1	
								1.0	CL	Wood Poles	2	2 (A611)(b)	
								1.1	CL	Wood H Frame	3	3 (A611)(b)	
												(A301)(b)	
								0.1	CL	Steel Towers	1	1	
A10	Trebein-Bath	163	207	201	220	138	138	0.2	CL	Steel Towers	2	2 (A13)	
								4.1	CL	Steel Towers	2	2 (A686)	
								0.3	CL	Wood Poles	1	1	
A11	Urbana-Darby	222	274	309	343	138	138	0.5	100	Steel Towers	2	2 (A49)	
								25.2	100	Wood H Frame	1	1	Mechanicsburg
								5.5	100	Wood H Frame	2	1	Givens (+)
								1.2	100	Steel Poles	1	1	Eagle (+)

( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
 CL = CenterLine Description -- No Width  
 (+) = Non-DP&L  
 (b) = Not Built for 138 kV

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 138 kV)

Line No.	Point of Origin and Terminus	Line Capability (MVA)			Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer	Normal	Winter	Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
A12*	Darby-Delaware (CSP)	195	220	201	138	138	14.1	100	Wood H Frame	1	1	
A13	Greene-Trebein	301	373	405	138	138	0.2	CL	Wood H Frame	1	1	
							0.9	100	Steel Towers	3	3 (c)(A690)	
							0.1	100	Steel Towers	2	2 (A690)	
							0.2	100	Steel Towers	2	2 (A10)	
							0.1	100	Steel Towers	1	1	
A14	Greene-Airway	191	234	263	138	138	6.5	100	Steel Towers	2	1	
							0.6	100	Steel Towers	2	2 (A612)	
A15	Greene-Monument- Overlook	301	374	402	138	138	0.1	100	Steel Towers	1	1	
							3.4	100	Steel Towers	2	2 (A47)	
							4.4	100	Steel Towers	2	2 (A43)	
							0.1	100	Steel Towers	1	1	Overlook
							1.9	CL	Wood Poles	1	1	
							0.5	CL	Steel Poles	1	1	
A18	Monument-Wyandot	195	195	195	138	138	1.2	5	Underground	2	2 (A51)	

\* = Indicates an Interconnection Line  
 () = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
 CL = CenterLine Description - No Width  
 (c) = Paralleled as One Circuit

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 138 kV)

Line No.	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Normal	Emerg.	Normal	Winter Emerg.	Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
A19	Monument-Webster	301	374	402	440	138	138	1.2	CL	Steel Poles	1	1	
								1.0	CL	Wood Poles	1	1	
A20	Northridge-Miami	191	234	263	293	138	138	0.6	100	Wood Poles	1	1	
								4.9	CL	Steel Towers	2	2 (A616)	
								2.8	CL	Wood H-Frame	1	1	
								1.4	CL	Steel Towers	3	2 (A24)	
A21	Alpha-Greene	301	330	301	330	138	138	2.5	CL	Wood H Frame	1	1	
								0.3	CL	Wood Poles	1	1	
								1.4	50	Wood Poles /Steel Poles	2	2 (A610)	
A22	Sugarcreek-Centerville	301	374	402	432	138	138	0.2	CL	Wood Poles	1	1	
								1.3	50	Wood Poles	2	2 (A610)	
								3.7	50	Wood Poles	1	1	
	Normandy Tap	191	234	263	293	138	138	1.0	CL	Wood Poles	1	1	Normandy

( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
CL = CenterLine Description - No Width

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 138 kV)

Line No.	Point of Origin And Terminus	Line Capacity (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
A23	Centerville-Hempstead	191	234	263	293	138	138	3.3	CL	Wood Poles	1	1	
A24	Eldean-Halterman Jct	196	241	270	301	138	138	5.7	CL	Steel Poles	2	2 (A36)	
								5.3	75	Wood H Frame	1	1	
	Halterman Tap	160	196	222	246	138	138	0.9	50	Wood Poles	1	1	Halterman (+)
	Halterman Jct-	196	241	270	301	138	138	0.6	75	Wood H Frame	1	1	
	Springcreek Jct												
A25	Springcreek Tap	222	274	309	343	138	138	3.7	50	Wood Poles	1	1	Springcreek
	Springcreek Jct-Sidney	197	242	273	303	138	138	5.9	75	Wood H Frame	1	1	
								2.4	100	Steel Towers	3	2 (A26)	
A26	Webster-Needmore	191	234	263	293	138	138	0.2	CL	Wood Poles	1	1	AGA
								1.4	CL	Steel Towers	2	2 (A616)	
A26	Sidney-Shelby	163	229	225	271	138	138	2.4	100	Steel Towers	3	2 (A24)	
								4.7	75	Wood H Frame	1	1	
								2.2	50-	Wood Poles	2	2 (A30)	

( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
CL = CenterLine Description - No Width  
(+) = Non-DP&L

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 138 kV)

Line No.	Point of Origin and Terminus	Line Capability (MVA)			Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer	Normal	Winter	Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
A27	Shelby-Amsterdam	221	272	301	138	138	5.1	150	Wood Poles	2	1	
							18.9	50	Wood Poles	1	1	
							1.0	50	Wood Poles	2	2 (A628)	Honda-Anna II (+)
A28*	Urbana-Clark (FE) Interconnection Pt.	221	271	287	138	138	0.2	50	Wood Poles	1	1	
							2.3	100	Steel Poles	1	1	
A29*	Blue Jacket-Kirby FE Interconnection	218	269	287	138	138	18.0	50	Wood Poles	1	1	
							3.6	100	Steel Poles	1	1	
A30	Shelby-E. Sidney	163	209	225	138	138	2.2	50	Wood Poles	2	2 (A26)	
							1.3	100	Wood H Frame	1	1	E. Sidney (+)
	E. Sidney-Quincy	163	209	225	138	138	4.6	100	Wood H Frame	1	1	
							1.3	50	Wood Poles	1	1	Quincy
	Quincy-Logan	160	205	221	138	138	10.1	50	Wood Poles	1	1	
A831	Bath-New Carlisle	301	374	419	138	138	0.2	50	Wood Poles	1	1	
							14.7	150	Steel Towers	2	2 (B26)	
							0.9	100	Steel Poles	2	2 (B838)	
							0.2	50	Wood Poles	2	2 (B838)	
							0.1	50	Wood Poles	1	1	

() = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
(+) = Non-DP&L

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 138 kV)

Line No.	Point of Origin and Terminus	Line Capacity (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
A33	Alpha-Bellbrook	301	374	419	432	138	138	1.8	CL	Wood H Frames	1	1	
								0.8	CL	Steel Poles	2	2 (A622)	
								0.3	CL	Wood Poles	1	1	
A34	West Milton- Greenville	221	272	301	330	138	138	9.2	50	Wood Poles	1	1	
								11.4	60	Steel Poles	1	1	
A36	Miami-Staunton Jct.	306	380	402	432	138	138	1.4	100	Steel Towers	3	2 (A20)	
								6.3	75	Wood H Frame	1	1	
	Staunton Jct.-Eldean	197	269	273	323	138	138	4.0	75	Wood H Frame	1	1	
								5.7	100	Steel Poles	2	2 (A24)	
	Staunton Tap	196	198	198	198	138	138	1.8	75	Wood H Frame	2	2 (A657)	Staunton
								0.1	75	Wood Poles	1	1	
B838	New Carlisle-Miami	301	374	402	432	138	138	0.1	50	Wood Poles	1	1	
								0.2	50	Wood Poles	2	2 (B31)	
								0.9	100	Steel Poles	2	2 (B31)	
						138	345	6.0	150	Steel Towers	2	2 (B25)	
						138	138	0.2	50	Wood Poles	1	1	
A41	Needmore-Cargill	196	241	270	301	138	138	0.1	CL	Wood Poles	1	1	Cargill
								0.5	100	Steel Towers	2	2 (A616)	
	Cargill-Northridge	196	241	270	301	138	138	1.1	100	Steel Towers	2	2 (A616)	
								0.6	100	Wood Poles	1	1	

() = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
CL = CenterLine Description - No Width



**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 138 kV)

Line No.	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Normal	Emerg.	Summer	Winter	Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
A43	Knollwood-Monument	221	272	306	341	138	138	0.1	25-50	Steel Towers	1	1	
								4.4	25	Steel Towers	2	2 (A15)	
								0.1	25-50	Wood Poles	1	1	
								0.1	50	Wood Poles	1	1	
								0.1	50	Wood Poles	1	1	
								0.2	75	Steel Towers	1	1	
								1.4	50	Wood Poles	1	1	
								1.0	75	Steel Towers	1	1	
								1.0	CL	Steel Towers	2	2 (A48)	
								0.7	CL	Steel Towers	2	2 (A48)	
A47	Greene-Knollwood	306	380	402	432	138	138	3.3	100	Steel Towers	2	2 (A15)	
								0.3	CL	Wood Poles	1	1	
A48	Monument-Webster	218	269	302	336	138	138	1.7	CL	Steel Towers	2	2 (A43)	
								2.0	CL	Steel Towers	1	1	
A49	Bath-Urbana	163	200	201	220	138	138	0.2	CL	Wood Poles	1	1	
								3.9	CL	Steel Towers	2	2 (A686)	
								20.7	CL	Wood H Frame	1	1	
								0.5	CL	Steel Towers	2	2 (A11)	
A51	Monument-Wyandot	195	195	195	195	138	138	1.3	5-20	Underground	2	2 (A18)	

() = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
CL = CenterLine Description - No Width

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 69 kV or Below)

Line No.	Point of Origin and Terminus	Line Capacity (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
A601*	Hutchings-Carlisle CG&E)	151	187	191	191	69	138	0.7	CL	Steel Towers	2	2 (A602)	
A602 (d)	Hutchings-Germantown	95	98	98	98	69	138	0.7	CL	Steel Towers	2	2 (A601)	
	Camden-Garage Road	80	98	111	123	69	138	9.9	50	Wood Poles	1	1	
	Crystal – Camden	80	98	110	122	69	-	-	-	-	-	-	
	Germantown – Gratis	80	98	110	122	69	-	-	-	-	-	-	
	Gratis – Camden	80	98	110	122	69	-	-	-	-	-	-	
A605	Tait CT-Overlook	149	179	155	179	69	138	0.5	CL	Steel Towers	1	1	
A606	Tait-Crown	129	158	178	197	69	138	1.4	CL	Steel Towers	2	2 (A607)	
A607	Tait-Inland	151	187	210	235	69	138	1.4	CL	Steel Towers	2	2 (A606)	
								0.5	CL	Wood Poles	1	1	
A608	Airway-Huber Heights	89	106	115	115	69	138	0.9	200	Steel Towers	2	2 (A627)	
A609 (d)	Delco Kettering-Overlook	95	110	100	110	69	138	0.2	CL	Steel Towers	2	2 (A678)	

\* = Indicates an Interconnection Line  
 ( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
 (d) = Not Shown on Map  
 CL = CenterLine Description - No Width  
 CP = Customer Property

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 69 kV or Below)

Line No.	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
A610	Yankee-Waynesville Jct	95	117	132	147	69	138	1.3	CL	Wood Poles	2	2 (A22)	Delmor
	Waynesville Jct-Trebein	95	110	100	110	69	138	1.4	CL	Wood Poles	2	2 (A21)	
	Waynesville-Caesar's Creek	80	96	101	112	69	-	-	-	-	-	-	
	Waynesville-Waynesville Jct	80	96	101	112	69	-	-	-	-	-	-	
A611 (d)	Hutchings-Crown Tap-New Lebanon Sub.	95	110	100	110	69	138	0.3	CL	Steel Towers	2	2 (A08)	New Lebanon
		95	117	132	147	69	138	5.7	50	Wood Poles	1	1	
A612	Airway-Eagle	218	239	239	239	69	138	0.7	100	Steel Towers	2	2 (A14)	
A613	Overlook-Airway	80	98	110	122	69	138	2.6	CL	Wood Poles	1	1	
A616	Webster-Kittyhawk Jct	98	120	100	110	69	138	0.8	CL	Steel Towers	2	2 (A25)	Delmor
	Kittyhawk Jct-Delmor Jct	98	120	135	150	69	138	0.7	CL	Steel Towers	2	2 (A25)	
	Delmor Tap	80	86	86	86	69	138	0.1	CL	Steel Towers	1	1	
	Delmor Jct-Vandalia	80	86	86	86	69	138	6.5	CL	Steel Towers	2	2 (A20)	
A617	Crown-Stillwater	80	98	110	122	69	138	0.3	CL	Steel Towers	2	2 (A621)	
								0.9	CL	Steel Towers	2	2 (A618)	
								0.3	CL	Steel Towers	2	2 (A618)	
	Dayton Tire Tap (Dead)	N/A	N/A	N/A	N/A	-	138	1.8	35	Wood Poles	2	1	
A618	Crown-Shiloh	68	84	94	104	69	138	1.2	CL	Steel Towers	2	2 (A617)	

( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
(d) = Not Shown on Map  
CL = CenterLine Description - No Width

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 69 kV or Below)

Line No.	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
		East Liberty-Darby	80	98	110	122	69	138	17.8		50	Wood Poles	
A619													
A620 (d)	Crown-Hoover	63	77	87	97	69	138	0.2	CL	Steel Towers	2	2 (A683)	
								0.2	CL	Steel Towers	1	1	
								0.5	CL	Steel Towers	2	2 (A621)	
A621 (d)	Crown-Hoover	63	77	87	97	69	138	0.3	CL	Steel Towers	2	2 (A617)	
								0.5	CL	Steel Towers	2	2 (A620)	
A622 (d)	Alpha-Hempstead	218	239	239	239	69	138	0.8	CL	Steel Poles	2	2 (A33)	
A623 (d)	Crown-Salem	65	79	89	99	69	138	0.2	CL	Wood Poles	2	2 (A624)	
A624 (d)	Crown-Englewood	65	79	89	99	69	138	0.2	CL	Wood Poles	2	2 (A623)	
A627	Fairborn-Airway	143	143	143	143	69	138	0.9	200	Steel Towers	2	2 (A608)	
A628 (d)	McCartyville-Amsterdam	66	81	91	101	69	138	1.0	50	Wood Poles	2	2 (A27)	

( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
(d) = Not Shown on Map  
CL = CenterLine Description - No Width

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 69 kV or Below)

Line No.	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
A632	Hutchings-Manning	143	143	143	143	69	138	0.4	CL	Steel Towers	2	2 (A634)	Lewisburg
								1.1	CL	Steel Towers	2	2 (A634)	
A634	Hutchings-Carrollton	143	143	143	143	69	138	0.4	CL	Steel Towers	2	2 (A632)	
								1.2	CL	Steel Towers	2	2 (A670)	
								1.1	CL	Steel Towers	2	2 (A632)	
								0.8	50	Wood Poles	1	1	
A636	Glady Run-Xenia Jct	111	136	143	143	69	138	6.0	50	Wood Poles	1	1	
A639	Crown-Brookville Lewisburg Jct-Lewisburg	80 80	98 98	110 110	122 122	69 69	138 138	1.3 3.1	CL 50	Steel Towers Wood Poles	2 1	2 (A304) 1	
A641	Airway-Wright Field	96	96	96	96	69	138	1.0	100	Steel Towers	2	2 (A641)	
A642	Airway-Wright Field	96	96	96	96	69	138	1.0	100	Steel Towers	2	2 (A642)	
A646	Logan-Liberty	72	83	90	98	69	138	11.2	50	Wood Poles	1	1	

( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
CL = CenterLine Description - No Width

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 69 kV or Below)

Line No.	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
		Normal	Emerg.	Normal	Emerg.								
A651 (d)	Tait-Eaker	95	115	115	115	69	138	0.4	CL	Steel Towers	1	1	
								0.3	CL	Steel Towers	1	1	
A656	Garage Road- West Manchester	80	85	85	85	69	138	11.5	50	Wood Poles	1	1	
A657	Staunton-East Casstown	98	120	135	150	69	138	1.8	75	Wood H Frame	2	2 (A24)	East Casstown
								5.4	50	Wood Poles	1	1	
A658*	Wilmington-Martinsville	72	72	72	72	69	138	8.6	75	Wood H Frame	1	1	Martinsville
	Martinsville-Highland CSP Interconnection Pt.	71	71	71	71			6.4	50	Wood Poles	1	1	
A668 (d)	Hutchings-Yankee	95	117	132	147	69	138	0.4	100	Steel Towers	2	2 (A670)	

\* = Indicates an Interconnection Line  
 ( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
 (d) = Not Shown on Map  
 CL = CenterLine Description - No Width  
 CP = Customer's Property

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 69 kV or Below)

Line No.	Point of Origin and Terminus	Line Capability (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Summer		Winter		Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
A669 (d)	Trebein-Xenia	80	96	96	96	69	138	0.7	CL	Wood Poles	1	1	
A671	Dayton Mall- Yankee	143	143	143	143	69	138	2.0	50	Wood Poles	1	1	
A673	Clinton-Wilmington	221	272	286	286	69	138	2.0	CL	Wood Poles	2	2 (c)	
A676	Benner-Dayton Mall	111	136	143	143	69	138	1.7	50	Wood Poles	1	1	
A677	Hempstead-Kettering	151	187	209	234	69	138	2.0	10	Wood Poles	1	1	
A678 (d)	Kettering-Overlook	144	144	144	144	69	138	0.2	CL	Steel Towers	2	2 (A609)	
A682 (d)	Shiloh-Webster	68	84	94	104	69	138	0.1	CL	Steel Towers	1	1	

( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
(c) = Paralleled as One Circuit  
(d) = Not Shown on Map  
CL = CenterLine Description - No Width

**FORM FE-T7**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 69 kV or Below)

Line No.	Point of Origin and Terminus	Line Capacity (MVA)				Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits Installed		Substations On The Line
		Normal	Summer Emerg.	Normal	Winter Emerg.	Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
A683 (d)	Inland-Hoover Jct Hoover Jct-Crown	151	187	202	225	69	138	0.5	CL	Wood Poles	1	1	
		151	187	202	225	69	138	0.2	CL	Steel Towers	2	2 (A620)	
A686	Trebein- Southwest Quarry Jct.	98	114	114	114	69	138	0.1	CL	Steel Towers	2	2 (A13)	
								4.1	CL	Steel Towers	2	2 (A10)	
								0.7	CL	Steel Towers	2	2 (A49)	
	Southwest Quarry Jct.- Yellow Springs Jct.	111	136	153	171	69	138	3.2	CL	Steel Towers	2	2 (A49)	
								0.4	50	Wood Poles	1	1	
A690	Trebein-Glady Run	98	120	135	143	69	138	0.1	100	Steel Towers	2	2 (A13)	
						69	138	0.9	100	Steel Towers	3	3 (A13)(c)	
						69	138	3.5	50	Wood Poles	1	1	
A692	Miami-Tipp City Muni Tipp City Muni-Tipp City Tipp City-Peters Road	153	190	201	220	69	138	2.0	50	Wood Poles	1	1	Tipp City
		109	134	151	168	69	138	1.7	50	Wood Poles	1	1	Tipp Muni (+)
		109	134	143	143	69	138	4.9	50	Wood Poles	1	1	
A693	Blue Jacket-Honda-East Liberty	80	86	86	86	69	138	8.8	50	Wood Poles	1	1	

( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
(c) = Paralleled as One Circuit  
(d) = Not Shown on Map  
CL = CenterLine Description - No Width



**FORM FE-17**  
**CHARACTERISTICS OF TRANSMISSION OWNER'S EXISTING TRANSMISSION LINES**  
(Operate at 69 kV or Below)

Line No.	Point of Origin and Terminus	Line Capacity (MVA)			Voltage Level		Right-of-Way		Type of Supporting Structures	Number of Circuits		Substations On The Line
		Normal	Emerg.	Winter	Operate (kV)	Design (kV)	Length (Miles)	Width (Feet)		Design	Installed	
A911 (d)	Moraine- GM Complex	82	101	114	69	138	0.3	CP	Steel Towers	3	3 (A912) (A913)	
A912 (d)	Moraine- GM Complex	65	79	91	69	138	0.2	CP	Wood Poles	1	1	
							0.3	CP	Steel Towers	3	3 (A911) (A913)	
A913 (d)	Moraine- GM Complex	65	79	91	69	138	0.2	CP	Wood Poles	1	1	
							0.3	CP	Steel Towers	3	3 (A911) (A912)	
A304 (d)	Crown-Stillwater (Dead)	N/A	N/A	N/A		138	1.3	CL	Steel Towers	2	2 (A639)	
RD-1213 (d)	Northridge-North Dixie Dr.	15	19	20	12	138	0.9	50	Wood Poles	1	1	

( ) = Numbers in parenthesis are circuit numbers of the circuit(s) on same structure  
 (d) = Not Shown on Map  
 CP = Customer Property  
 (+) = Non-DP&L

**FORM FE-T8**  
**SUMMARY OF EXISTING TRANSMISSION SUBSTATIONS**  
 (Operated By DP&L)

Substation Name	Type Transmission (T) Distribution (D)	Voltages	Line No.	Line Association(s)	Line Existing or Proposed
Adkins	T	345 kV	B42	Atlanta-Beatty (OP)	Existing
Airway	T	138 kV	A14	Airway-Greene	Existing
Alpha	T	138 kV	A21	Alpha-Greene	Existing
		138 kV	A33	Alpha-Bellbrook	Existing
Amsterdam	T	138 kV	A27	Amsterdam-Shelby	Existing
Atlanta	T	345 kV	B42	Atlanta-Beatty (OP)	Existing
		345 kV	B52	Atlanta-Stuart	Existing
Bath	T	345 kV	B25	Bath-Miami	Existing
		345 kV	B26	Bath-Greene	Existing
		345 kV	B98	Bath-Foster (DEO)	Existing
		138 kV	B831	Bath-New Carlisle	Existing
		138 kV	A10	Bath-Trebein	Existing
		138 kV	A49	Bath-Urbana	Existing
Bellbrook	D	138 kV	A06	Bellbrook-Sugarcreek	Existing
		138 kV	A33	Bellbrook-Alpha	Existing
Blue Jacket	T	138 kV	A29	Blue Jacket-Kirby (FE)	Existing
		69 kV	A693	Blue Jacket-Liberty	Existing
Cargill	D	138 kV	A41	Cargill-Needmore/Northridge	Existing
Centerville	D	138 kV	A22	Centerville-Sugarcreek	Existing
		138 kV	A23	Centerville-Hempstead	Existing
Clinton	T	345 kV	B08	Clinton-Greene	Existing
		345 kV	B09	Clinton-Stuart	Existing
		69 kV	A673	Clinton-Wilmington	Existing
Crown	T	138 kV	A08	Crown-Hutchings	Existing
Darby	T	138 kV	A11	Darby-Urbana	Existing
		138 kV	A12	Darby-Delaware (OP)	Existing

**FORM FE-T8**  
**SUMMARY OF EXISTING TRANSMISSION SUBSTATIONS**  
 (Operated By DP&L)

<u>Substation Name</u>	<u>Type Transmission (T) Distribution (D)</u>	<u>Voltages</u>	<u>Line No.</u>	<u>Line Association(s)</u>	<u>Line Existing or Proposed</u>
Dayton Mall	D	69 kV 69 kV	A671 A676	Dayton Mall-Yankee Dayton Mall-Benner	Existing Existing
Delmor (#)	D	69 kV	A616	Delmor-Vandalia/Webster	Existing
Eldean	T	138 kV 138 kV	A24 A36	Eldean-Sidney Eldean-Miami-Staunton	Existing Existing
Garage Road	D	69 kV 69 kV	A602 A656	Garage Road-Hutchings Garage Road-W. Manchester	Existing Existing
Glady Run	D	69 kV 69 kV	A636 A690	Glady Run-Xenia Tap Glady Run-Trebein	Existing Existing
Greene (a)	T	345 kV 345 kV 345 kV 345 kV 138 kV 138 kV 138 kV 138 kV 138 kV	B03 B06 B08 B26 A13 A14 A15 A21 A47	Greene-Sugarcreek Greene-Beatty (OP) Greene-Clinton Greene-Bath Greene-Trebein Greene-Airway Greene-Monument-Overlook Greene-Alpha Greene-Knollwood	Existing Existing Existing Existing Existing Existing Existing Existing Existing
Greenville	T	138 kV	A34	Greenville-West Milton	Existing
Hempstead	T	138 kV 69 kV	A23 A677	Hempstead-Centerville Hempstead-Kettering	Existing Existing
Hutchings	T	138 kV 138 kV 138 kV 138 kV	A03 A04 A05 A08	Hutchings-Trenton (OP) Hutchings-Hillsboro (OP) Hutchings-Sugarcreek Hutchings-Crown	Existing Existing Existing Existing

(a) Commonly-owned with the Duke Energy Ohio and Ohio Power Company.

(#) Land Owned by Customer

**FORM FE-T8**  
**SUMMARY OF EXISTING TRANSMISSION SUBSTATIONS**  
 (Operated By DP&L)

<u>Substation Name</u>	<u>Type Transmission (T) Distribution (D)</u>	<u>Voltages</u>	<u>Line No.</u>	<u>Line Association(s)</u>	<u>Line Existing or Proposed</u>
Kettering	T	69 kV	A677	Kettering-Hempstead	Existing
Killen (b)	T	345 kV	B10	Killen-Stuart	Existing
		345 kV	B49	Killen-Marquis (OP)	Existing
Knollwood	D	138 kV	A43	Knollwood-Overlook-Monument	Existing
		138 kV	A47	Knollwood-Greene	Existing
Lewisburg	D	69 kV	A639	Lewisburg-Lewisburg Tap	Existing
Logan	T	138 kV	A30	Logan-Shelby	Existing
Martinsville	D	69 kV	A658	Martinsville-Wilmington/Highland (OP)	Existing
Mechanicsburg	D	138 kV	A11	Mechanicsburg-Urbana/Darby	Existing
Miami (a)	T	345 kV	B25	Miami-Bath	Existing
		345 kV	B28	Miami-Shelby	Existing
		345 kV	B90	Miami-West Milton	Existing
		138 kV	B807	Miami-West Milton	Existing
		138 kV	B838	Miami-New Carlisle	Existing
		138 kV	A20	Miami-Northridge	Existing
		138 kV	A36	Miami-Eldean-Staunton	Existing
		69 kV	A692	Miami-Peters Road	Existing
Monument	T	138 kV	A15	Monument-Greene-Overlook	Existing
		138 kV	A18	Monument-Wyandot	Existing
		138 kV	A19	Monument-Webster	Existing
		138 kV	A43	Monument-Knollwood-Overlook	Existing
		138 kV	A48	Monument-Webster	Existing
		138 kV	A51	Monument-Wyandot	Existing

(a) Commonly owned with the Duke Energy Ohio and Ohio Power Company.

(b) Commonly-owned with the Duke Energy Ohio.

**FORM FE-T8**  
**SUMMARY OF EXISTING TRANSMISSION SUBSTATIONS**  
 (Operated By DP&L)

<u>Substation Name</u>	Type Transmission (T) Distribution (D)	<u>Voltages</u>	<u>Line No.</u>	<u>Line Association(s)</u>	Line Existing or Proposed
Needmore	D	138 kV	A25	Needmore-Webster	Existing
		138 kV	A41	Needmore-Northridge	Existing
New Carlisle	T	138 kV	A31	New Carlisle-Bath	Existing
		138 kV	A38	New Carlisle-Miami	Existing
New Lebanon	D	69 kV	A611	New Lebanon-New Lebanon Tap	Existing
Normandy	D	138 kV	A23	Normandy-Sugarcreek/Centerville	Existing
Northridge	D	138 kV	A20	Northridge-Miami	Existing
		138 kV	A41	Northridge-Needmore	Existing
Overlook	T	138 kV	A15	Overlook-Greene-Monument	Existing
		138 kV	A43	Overlook-Knollwood-Monument	Existing
Peters Road	D	69 kV	A692	Peters Road-Miami	Existing
Quincy	D	138 kV	A30	Quincy-Shelby/Logan	Existing
Shelby	T	345 kV	B27	Shelby-SW Lima (OP)	Existing
		345 kV	B28	Shelby-Miami	Existing
		138 kV	A26	Shelby-Sidney	Existing
		138 kV	A27	Shelby-Amsterdam	Existing
		138 kV	A30	Shelby-Logan	Existing
Sidney	T	138 kV	A24	Shelby-Eldean	Existing
		138 kV	A26	Shelby-Sidney	Existing
Springcreek	D	138 kV	A24	Springcreek-Eldean/Sidney	Existing

**FORM FE-T8**  
**SUMMARY OF EXISTING TRANSMISSION SUBSTATIONS**  
 (Operated By DP&L)

Substation Name	Type Transmission (T) Distribution (D)	Voltages	Line No.	Line Association(s)	Line Existing or Proposed
Staunton	T	138 kV	A36	Staunton-Eldean/Miami	Existing
		69 kV	A657	Staunton-East Casstown	Existing
Stuart (a)	T	345 kV	B09	Stuart-Clinton	Existing
		345 kV	B10	Stuart-Killen	Existing
		345 kV	B11	Stuart-Foster (DEO)	Existing
		345 kV	B41	Stuart-Zimmer (DEO)	Existing
		345 kV	B52	Stuart-Atlanta	Existing
Sugarcreek	T	345 kV	B03	Sugarcreek-Greene	Existing
		345 kV	B24	Sugarcreek-Foster (DEO)	Existing
		138 kV	A05	Sugarcreek-Hutchings	Existing
		138 kV	A06	Sugarcreek-Bellbrook	Existing
		138 kV	A22	Sugarcreek-Centerville	Existing
Tipp City	D	69 kV	A692	Tipp City-Miami/Peters Road	Existing
Trebein	T	138 kV	A10	Trebein-Bath	Existing
		138 kV	A13	Trebein-Greene	Existing
Urbana	T	138 kV	A11	Urbana-Darby	Existing
		138 kV	A28	Urbana-Clark (FE)	Existing
		138 kV	A49	Urbana-Bath	Existing
Webster	T	138 kV	A19	Webster-Monument	Existing
		138 kV	A25	Webster-Needmore	Existing
		138 kV	A48	Webster-Monument	Existing
		69 kV	A616	Webster-Delmor	Existing
West Manchester	T	69 kV	A656	W. Manchester-Garage Road	Existing
West Milton	T	345 kV	B90	West Milton-Miami	Existing
		345 kV	B91	West Milton-Miami Fort (DEO)	Existing
		138 kV	B807	West Milton-Miami	Existing
		138 kV	B34	West Milton-Greenville	Existing

(a) Commonly owned with the Duke Energy Ohio and Ohio Power Company.

**FORM FE-T8**  
**SUMMARY OF EXISTING TRANSMISSION SUBSTATIONS**  
 (Operated By DP&L)

<u>Substation Name</u>	Type Transmission (T) Distribution (D)	<u>Voltages</u>	<u>Line No.</u>	<u>Line Association(s)</u>	Line Existing or Proposed
Wilmington	T	69 kV	A658	Wilmington-Highland (OP)	Existing
		69 kV	A673	Wilmington-Clinton	Existing
Wyandot	D	138 kV	A18	Wyandot-Monument	Existing
		138 kV	A51	Wyandot-Monument	Existing
Yankee	T	69 kV	A671	Yankee-Dayton Mall	Existing

**FORM FE-T8**  
**SUMMARY OF EXISTING TRANSMISSION SUBSTATIONS**  
 (Commonly-Owned, Not Operated by DP&L)

<u>Substation Name</u>	<u>Type Transmission (T) Distribution (D)</u>	<u>Voltages</u>	<u>Line No.</u>	<u>Line Association(s)</u>	<u>Line Existing or Proposed</u>
Beatty				See OP Response	
Beckjord				See DEO Response	
Bixby				See OP Response	
Conesville				See OP Response	
Don Marquis				See OP Response	
Foster				See DEO Response	
Miami Fort				See DEO Response	
Pierce				See DEO Response	
Port Union				See DEO Response	
Terminal				See DEO Response	
Todhunter				See DEO Response	
Zimmer				See DEO Response	



**FORM FE-T8**  
**SUMMARY OF EXISTING TRANSMISSION SUBSTATIONS**  
 (Foreign Substations Where Line Design is 138 kV)

<u>Substation Name</u>	<u>Type Transmission (T) Distribution (D)</u>	<u>Voltages</u>	<u>Line No.</u>	<u>Line Association(s)</u>	<u>Line Existing or Proposed</u>
Burdox	D	138 kV	A25	Burdox-Needmore/Webster	Existing
Eagle Road	D	138 kV	A11	Eagle Road-Urbana/Darby	Existing
East Casstown	D	69 kV	A657	East Casstown-Staunton	Existing
East Sidney	D	138 kV	A30	East Sidney-Shelby/Logan	Existing
Givens	D	138 kV	A11	Givens-Urbana/Darby	Existing
Halterman	D	138 kV	A24	Halterman-Eldean/Sidney	Existing
Honda Anna II	D	138 kV	A27	Honda Anna II- Shelby/Amsterdam	Existing
Tipp City Municipal	D	69 kV	A692	Tipp City Municipal- Miami/Peters Road	Existing
Wright Patterson	D	69 kV 69 kV	A641 A642	Wright Patterson-Airway Wright Patterson-Airway	Existing Existing
East Logan	D	138 kV	A29	Blue Jacket-Kirby	Existing

**(D) The Planned Transmission System**

**Form FE-T9** presents the specifications of planned transmission lines designed for 125 kV and above. The criteria for reporting planned facilities include: new lines requiring new right-of-way, lines scheduled for a change of voltage and/or capacity, or other changes to lines which may be considered substantial additions.

**Form FE-T10** presents the specifications of planned upgrades to existing substations, and new substations designed for 125 kV and above.

**FORM FE-T9:**  
**SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES**

- |     |  |   |
|-----|--|---|
| 1.  | Name and Number  | Bath-Trebein 138 kV Circuit Upgrade   |
| 2.  | Points of Origin<br>Terminus                                     | Bath Substation (existing)<br>Trebein Substation (existing)   |
| 3.  | Right of Way Length<br>Width<br># of circuits                    | Existing<br>Existing<br>Existing  |
| 4.  | Voltage Design<br>Operate  | 138 kV<br>138 kV  |
| 5.  | Application for Certificate                                      | N/A   |
| 6.  | Construction Commence<br>Commercial Operation                    | October 1, 2020<br>June 1, 2021   |
| 7.  | Capital Investment   | Total: \$1,300,000  |
| 8.  | Substations  | Bath (existing)<br>Substation voltage of 345 kV, 138 kV<br>No new area required.<br><br>Trebein (existing)<br>Substation voltage of 138 kV<br>No new area required. |
| 9.  | Supporting Structures  | N/A   |
| 10. | Participation with other<br>Utilities                            | N/A   |
| 11. | Purpose of the Planned<br>Transmission Line                      | To meet NERC reliability criteria.  |
| 12. | Consequences of Line<br>Construction Deferment or<br>Termination | Violation of NERC reliability criteria and reduced 138 kV capacity.   |
| 13. | Miscellaneous  |   |

**FORM FE-T9:**  
**SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES**

- |     |  |   |
|-----|--|---|
| 1.  | Name and Number  | West Milton – Eldean 138 kV New Line  |
| 2.  | Points of Origin<br>Terminus                                     | West Milton Substation (existing)<br>Eldean Substation (existing)   |
| 3.  | Right of Way Length<br>Width<br># of circuits                    | 16 miles<br>50'<br>1  |
| 4.  | Voltage Design<br>Operate  | 138 kV<br>138 kV  |
| 5.  | Application for Certificate                                      | 2017  |
| 6.  | Construction Commence<br>Commercial Operation                    | October 1, 2021<br>June 1, 2022   |
| 7.  | Capital Investment   | Total: \$12,000,000   |
| 8.  | Substations  | West Milton (existing)<br>Substation voltage of 138 kV<br>Unknown area required.<br><br>Eldean (existing)<br>Substation voltage of 138 kV<br>Unknown area required. |
| 9.  | Supporting Structures  | Single wood pole or steel structures with post insulators.  |
| 10. | Participation with other<br>Utilities                            | N/A   |
| 11. | Purpose of the Planned<br>Transmission Line                      | To meet NERC reliability criteria.  |
| 12. | Consequences of Line<br>Construction Deferment or<br>Termination | Violation of NERC reliability criteria and reduced 138 kV<br>capacity.  |
| 13. | Miscellaneous  |   |

**FORM FE-T9**  
**SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES**

- |     |  |  |
|-----|--|--|
| 1.  | Name and Number  | Jay-Fort Recovery 138 kV New Line  |
| 2.  | Points of Origin<br>Terminus                                     | Jay Substation (existing)<br>Fort Recovery Substation (existing)   |
| 3.  | Right of Way Length<br>Width<br># of circuits                    | 23 miles<br>50'<br>1   |
| 4.  | Voltage Design<br>Operate  | 138 kV<br>138 kV   |
| 5.  | Application for Certificate                                      | Not yet determined.  |
| 6.  | Construction Commence<br>Commercial Operation                    | October 1, 2021<br>June 1, 2022  |
| 7.  | Capital Investment   | Total: \$11,000,000  |
| 8.  | Substations  | Jay(existing)<br>Substation voltage of 138 kV<br>Unknown area required<br><br>Fort Recovery (existing)<br>Substation voltage of 138 kV<br>Unknown area required. |
| 9.  | Supporting Structures  | Single wood pole or steel structures with post insulators.   |
| 10. | Participation with other<br>Utilities                            | New tie line with AEP.   |
| 11. | Purpose of the Planned<br>Transmission Line                      | To meet NERC reliability criteria.   |
| 12. | Consequences of Line<br>Construction Deferment or<br>Termination | Violation of NERC reliability criteria and reduced 138 kV capacity.  |
| 13. | Miscellaneous  |  |

**FORM FE-T9:**  
**SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES**

- |  |   |
|--|---|
| 1. Name and Number   | Marysville Dayton-Marysville AEP 345 kV New Line  |
| 2. Points of Origin<br>Terminus                                      | Marysville (AEP) Substation (existing)<br>Marysville (Dayton) Substation (new)  |
| 3. Right of Way Length<br>Width<br># of circuits                     | 2,500'<br>150'<br>1   |
| 4. Voltage Design<br>Operate   | 345 kV<br>345 kV  |
| 5. Application for Certificate                                       | Not yet determined.   |
| 6. Construction Commence<br>Commercial Operation                     | October 1, 2021<br>June 1, 2022   |
| 7. Capital Investment  | Total: \$500,000  |
| 8. Substations   | Marysville AEP (existing)<br>Substation voltage of 345kV<br>Unknown area required.<br><br>Marysville Dayton (new)<br>Substation voltage of 345 kV<br>5 acres requested. |
| 9. Supporting Structures   | Wood pole with post insulators.   |
| 10. Participation with other<br>Utilities                            | New tie line with AEP.  |
| 11. Purpose of the Planned<br>Transmission Line                      | To meet NERC reliability criteria.  |
| 12. Consequences of Line<br>Construction Deferment or<br>Termination | Violation of NERC reliability criteria and reduced 345/69<br>kV capacity.   |
| 13. Miscellaneous  |   |

**FORM FE-T10**  
**SUMMARY OF PROPOSED SUBSTATIONS**

Substation Name:	Bath (Addition of a second 345/138 kV Transformer)
Voltage(s):	345 kV 138 kV
Type of Substation:	Transmission
Timing:	Construction Commence October 1, 2020 Operation June 1, 2021
Line Association(s):	Bath-Miami 345 kV Bath-Greene 345 kV Bath-Foster 345 kV Bath-New Carlisle 138 kV Bath-Trebein 138 kV Bath-Urbana 138 kV All of these circuits are existing circuits
Minimum Substation Site Acreage:	Approx 9.6 Acres

**FORM FE-T10**  
**SUMMARY OF PROPOSED SUBSTATIONS**

Substation Name:	West Milton (Addition of a second 345/138 kV Transformer)
Voltage(s):	345 kV 138 kV
Type of Substation:	Transmission
Timing:	Construction Commence October 1, 2020 Operation June 1, 2021
Line Association(s):	West Milton-Miami 345 kV West Milton-Miami Fort 345 kV West Milton-Greenville 138 kV West Milton-Miami 138 kV All of these circuits are existing circuits
Minimum Substation Site Acreage:	Not yet determined.



**FORM FE-T10**  
**SUMMARY OF PROPOSED SUBSTATIONS**

Substation Name:	West Milton (Addition of a second 138/69 kV Transformer)
Voltage(s):	138 kV 69 kV
Type of Substation:	Transmission
Timing:	Construction Commence October 1, 2020 Operation June 1, 2021
Line Association(s):	West Milton-Miami 345 kV West Milton-Miami Fort 345 kV West Milton-Greenville 138 kV West Milton-Miami 138 kV All of these circuits are existing circuits
Minimum Substation Site Acreage:	Not yet determined.

**FORM FE-T10**  
**SUMMARY OF PROPOSED SUBSTATIONS**

Substation Name:	Trebein (Addition of a second 138/69 kV Transformer)
Voltage(s):	138 kV 69 kV
Type of Substation:	Transmission
Timing:	Construction Commence October 1, 2020 Operation June 1, 2021
Line Association(s):	Trebein-Bath 138 kV Trebein-Greene 138 kV All of these circuits are existing circuits
Minimum Substation Site Acreage:	Not yet determined.

**FORM FE-T10**  
**SUMMARY OF PROPOSED SUBSTATIONS**

Substation Name:	Clinton (Addition of a second 345/69 kV Transformer)
Voltage(s):	345 kV 69 kV
Type of Substation:	Transmission
Timing:	Construction Commence October 1, 2021 Operation June 1, 2022
Line Association(s):	Clinton-Stuart 345 kV Clinton-Greene 345 kV All of these circuits are existing circuits
Minimum Substation Site Acreage:	Not yet determined.

**FORM FE-T10**  
**SUMMARY OF PROPOSED SUBSTATIONS**

Substation Name:	Normandy (Addition of a new 138/69 kV Transformer)
Voltage(s):	138 kV 69 kV
Type of Substation:	Transmission
Timing:	Construction Commence October 1, 2021 Operation June 1, 2022
Line Association(s):	Normandy-13822 Tap 138 kV All of these circuits are existing circuits
Minimum Substation Site Acreage:	Not yet determined.

**FORM FE-T10**  
**SUMMARY OF PROPOSED SUBSTATIONS**

Substation Name:	Fort Recovery (Addition of a 138/69 kV Transformer)
Voltage(s):	138 kV 69 kV
Type of Substation:	Transmission
Timing:	Construction Commence October 1, 2021 Operation June 1, 2022
Line Association(s):	Fort Recovery-Jay 138 kV This is a new circuit
Minimum Substation Site Acreage:	Not yet determined.

**FORM FE-T10**  
**SUMMARY OF PROPOSED SUBSTATIONS**

Substation Name: Marysville Dayton (new station)  
(Addition of a 345/69 kV Transformer)

Voltage(s): 345 kV  
69 kV

Type of Substation: Transmission

Timing: Construction Commence October 1, 2021  
Operation June 1, 2022

Line Association(s): Marysville (Dayton)-Marysville (AEP) 345kV  
All of these circuits are new circuits

Minimum Substation Site Acreage: 5 Acres

**FORM FE-T10**  
**SUMMARY OF PROPOSED SUBSTATIONS**

Substation Name:	South Charleston (new station) (Addition of a 345/69 kV Transformer)
Voltage(s):	345 kV 69 kV
Type of Substation:	Transmission
Timing:	Construction Commence October 1, 2021 Operation June 1, 2022
Line Association(s):	South Charleston-Beatty 345kV South Charleston-Greene 345kV These are new circuits formed by tapping an existing 345 kV circuit.
Minimum Substation Site Acreage:	Not yet determined.

## **ELECTRIC DISTRIBUTION FORECAST**

### **(B) Energy and Peak Demand Data**

**Form FE-D1** presents annual historical and forecast service area energy data. The historical period of five years is for 2013 – 2017, and the forecast period of eleven years is for 2018 – 2028, which includes the current year.

**Form FE-D3** presents historical and forecast service area summer and winter peak loads. The historical period of five years is for 2013 – 2017, and the forecast period of eleven years is for 2018 – 2028, which includes the current year.

**Form FE-D5** presents monthly service area energy forecasts for Year 0 and Year 1 (2018 and 2019).

**Form FE-D6** presents monthly service area peak loads for Year 0 and Year 1.

All of DP&L's service area is located in Ohio, and DP&L is not a member of an integrated system.



**PUCO FORM FE-D1:**  
**ELECTRIC UTILITY OHIO SERVICE AREA ENERGY CONSUMPTION FORECAST**  
(Megawatt-Hours Per Year)

	(1)	(2)	(3)	(4)	(5a)	(5b)	(6)	(7)	(8)
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	TRANSPORTATION <sup>a</sup>	OTHER <sup>b</sup>	ENERGY EFFICIENCY & DEMAND RESPONSE	TOTAL END CONSUMPTION (1)+(2)+(3)+(4)+(5a)+(5b)	LOSSES AND UNACCOUNTED FOR	NET ENERGY FOR LOAD (6)+(7)
-5 2013	5,226,437	3,697,532	3,552,428	3,913	1,349,658		13,829,968	563,041	14,393,009
-4 2014	5,344,082	3,714,874	3,651,720	3,336	1,310,285		14,024,297	565,882	14,590,179
-3 2015	5,187,751	3,742,101	3,684,745	3,885	1,302,505		13,920,987	536,107	14,457,094
-2 2016	5,253,286	3,788,252	3,852,079	3,647	1,344,361		14,241,625	539,830	14,781,455
-1 2017	4,993,562	3,673,103	3,831,994	3,052	1,276,536		13,778,247	457,513	14,235,760
0 2018	5,330,298	3,779,861	3,880,551	3,034	1,278,466	182,894	14,089,316	528,199	14,617,515
1 2019	5,415,419	3,826,301	3,951,917	3,064	1,277,255	360,302	14,113,655	529,092	14,642,747
2 2020	5,489,757	3,848,165	4,011,998	3,093	1,275,671	532,386	14,096,298	528,455	14,624,753
3 2021	5,564,060	3,888,116	4,074,014	3,121	1,273,726	699,308	14,103,729	528,728	14,632,457
4 2022	5,649,381	3,938,057	4,134,479	3,148	1,271,469	861,766	14,134,768	529,867	14,664,635
5 2023	5,738,502	3,990,857	4,193,928	3,175	1,268,874	1,019,393	14,175,944	531,378	14,707,322
6 2024	5,830,347	4,039,720	4,237,732	3,201	1,265,948	1,172,291	14,204,657	532,432	14,737,089
7 2025	5,916,552	4,089,387	4,277,674	3,226	1,262,700	1,320,582	14,228,957	533,324	14,762,281
8 2026	6,001,250	4,139,817	4,321,101	3,260	1,259,121	1,464,326	14,260,223	534,471	14,794,694
9 2027	6,086,903	4,190,187	4,372,993	3,380	1,255,033	1,602,301	14,306,195	536,158	14,842,353
10 2028	6,165,866	4,236,380	4,417,012	3,495	1,250,471	1,734,757	14,338,466	537,343	14,875,809

a. Transportation includes railroads & railways.

b. Other includes Street & Highway Lighting, Public Authorities and Interdepartmental Sales.

PUCO FORM FE-D3:  
ELECTRIC UTILITY OHIO SEASONAL PEAK LOAD DEMAND FORECAST  
(Megawatts)

Native Load				Internal Load							
				Demand	Net	Net			Demand	Net	Net
	<u>Year</u>	<u>Summer</u>	<u>Winter<sup>a</sup></u>	<u>Response<sup>b</sup></u>	<u>Summer</u>	<u>Winter<sup>a</sup></u>	<u>Summer</u>	<u>Winter<sup>a</sup></u>	<u>Response<sup>b</sup></u>	<u>Summer</u>	<u>Winter<sup>a</sup></u>
-5	2013	2937	2777				2937	2777			
-4	2014	2756	2568				2756	2568			
-3	2015	2845	2453				2845	2453			
-2	2016	2883	2486				2883	2486			
-1	2017	2771	2598				2771	2598			
0	2018	2949	2525	27	2922	2498	2949	2525	27	2922	2498
1	2019	2984	2552	54	2930	2498	2984	2552	54	2930	2498
2	2020	3013	2568	79	2934	2489	3013	2568	79	2934	2489
3	2021	3041	2593	104	2937	2489	3041	2593	104	2937	2489
4	2022	3073	2620	128	2945	2492	3073	2620	128	2945	2492
5	2023	3106	2649	151	2955	2498	3106	2649	151	2955	2498
6	2024	3136	2664	173	2963	2491	3136	2664	173	2963	2491
7	2025	3164	2686	196	2968	2490	3164	2686	196	2968	2490
8	2026	3193	2710	216	2977	2494	3193	2710	216	2977	2494
9	2027	3225	2729	237	2988	2492	3225	2729	237	2988	2492
10	2028	3253	2750	256	2997	2494	3253	2750	256	2997	2494

- a. Winter load reference is to peak loads which follow the summer peak load.  
b. Includes both energy efficiency and demand response.

**PUCO FORM FE-D5:  
MONTHLY NET ENERGY FOR LOAD FORECAST  
(Megawatt-Hours Per Year)**

<u>YEAR 0<sup>a</sup></u>	<u>OHIO SERVICE AREA</u>	<u>SYSTEM</u>
January*	1,415,078	1,415,078
February*	1,147,436	1,147,436
March	1,243,370	1,243,370
April	1,057,991	1,057,991
May	1,109,584	1,109,584
June	1,230,411	1,230,411
July	1,349,836	1,349,836
August	1,350,155	1,350,155
September	1,165,005	1,165,005
October	1,064,497	1,064,497
November	1,202,184	1,202,184
December	1,288,789	1,288,789
Total	14,624,337	14,624,337
 <u>YEAR 1<sup>a</sup></u>		
January	1,369,102	1,369,102
February	1,191,719	1,191,719
March	1,245,516	1,245,516
April	1,059,817	1,059,817
May	1,111,499	1,111,499
June	1,232,535	1,232,535
July	1,352,166	1,352,166
August	1,352,485	1,352,485
September	1,167,016	1,167,016
October	1,066,335	1,066,335
November	1,204,259	1,204,259
December	1,291,014	1,291,014
Total	14,643,463	14,643,463

a. Actual data shall be indicated with an asterisk (\*).

**PUCO FORM FE-D6:  
MONTHLY PEAK LOAD FORECAST  
(Megawatts)**

<u>YEAR 0<sup>a</sup></u>	<u>Native Load Forecast</u>			<u>Internal Load Forecast</u>		
	<u>OHIO SERVICE AREA</u>	<u>Demand</u> <u>Response<sup>b</sup></u>	<u>Net</u>	<u>SYSTEM</u>	<u>OHIO SERVICE AREA</u>	<u>SYSTEM</u>
January*			2598	2598	2598	2598
February*	2302		2302	2302	2302	2302
March	2262	27	2235	2235	2235	2235
April	1900	27	1873	1873	1873	1873
May	2283	27	2256	2256	2256	2256
June	2740	27	2713	2713	2713	2713
July	2949	27	2922	2922	2922	2922
August	2881	27	2854	2854	2854	2854
September	2644	27	2617	2617	2617	2617
October	1892	27	1865	1865	1865	1865
November	2192	27	2165	2165	2165	2165
December	2379	27	2352	2352	2352	2352
 <u>YEAR 1<sup>a</sup></u>						
January	2552	54	2498	2498	2498	2498
February	2469	54	2415	2415	2415	2415
March	2294	54	2240	2240	2240	2240
April	1933	54	1879	1879	1879	1879
May	2317	54	2263	2263	2263	2263
June	2774	54	2720	2720	2720	2720
July	2984	54	2930	2930	2930	2930
August	2915	54	2861	2861	2861	2861
September	2677	54	2623	2623	2623	2623
October	1925	54	1871	1871	1871	1871
November	2219	54	2165	2165	2165	2165
December	2405	54	2351	2351	2351	2351

a. Actual data shall be indicated with an asterisk (\*).

b. Includes both energy efficiency and demand response.

## **RESOURCE PLANS**

### **(A) Electricity Resource Forecast Forms**

**Form FE-R1** provides a monthly forecast of peak load and resources for 2018 and 2019.

**Form FE-R2** does not apply, given all of DP&L's load is located in Ohio.

**Form FE-R3** provides information on the Company's existing electric generation facilities.

**Form FE-R4** provides the Company's existing generating capability.

**Form FE-R5** discusses potential generating capability changes to meet future load requirements.

**Form FE-R6** provides information on the Company's projected summer peak season reserve position for the forecast period.

**Form FE-R7** does not apply, given all of DP&L's load is located in Ohio.

**Form FE-R8** provides information on the Company's projected winter peak season reserve position for the forecast period.

**Form FE-R9** does not apply, given all of DP&L's load is located in Ohio.

**Form FE-R10** discusses the specifications of potential planned generation facilities.

PUCO Form FE-R1:  
Monthly Forecast of Electric Utility's Ohio Service Area Peak Load and Resources  
Dedicated to Meet Ohio Service Area Peak Load\*  
(Megawatts)

	Current Calendar Year											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability												
Net Seasonal Capability												
Purchases												
Sales												
Available Capability												
Native Load												
Energy Reduction Programs <sup>c</sup>												
Available Reserve												
Internal Load <sup>a</sup>												
Reserve												

	Next Calendar Year											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability												
Net Seasonal Capability												
Purchases												
Sales												
Available Capability												
Native Load												
Energy Reduction Programs <sup>c</sup>												
Available Reserve												
Internal Load <sup>a</sup>												
Reserve												

\* As of January 2016, DP&L has no load obligations.  
a. Internal Load equals Native Load plus Interruptible Load.  
b. Actual data shall be indicated with an asterisk (\*).  
c. Includes both energy efficiency and demand response.

PUCO Form FE-R3:  
Summary of Existing Electric Generation Facilities for the System (as of 12/31/2016)\*

Station Name & Location	Unit No.	Type of Units	Date of First On-Line Service	Expected Retirement Date	Generation Summer (MW)	Generation Winter (MW)	Environmental Protection Measures
----------------------------	-------------	---------------	--	--------------------------------	------------------------------	------------------------------	-----------------------------------

\* As of January 2016, DP&L has no load obligations.

PUCO Form FE-R4:  
Actual Generating Capability Dedicated to Meet Ohio Peak Load (as of 12/31/2016)\*

		Unit Designation	Seasonal
Year/Season	Unit Name	Description	Total (MW)

\* As of January 2016, DP&L has no load obligations.



PUCO Form FE-R5:  
Projected Generating Capability Changes To Meet Future Ohio Peak Load\*

Unit Designation		Capability	Seasonal
Year/Season	Unit Name      Description	Changes	Total

\* As of January 2016, DP&L has no load obligations.

**PUCO Form FE-R6:**  
**Electric Utility's Actual and Forecast Ohio Peak Load and Resources**  
**Dedicated to Meet Electric Utility's Ohio Peak Load\***  
**(Megawatts)**  
**Summer Season**

	(-5)	(-4)	(-3)	(-2)	(-1)	(0)	(1)	(2)
--	------	------	------	------	------	-----	-----	-----

Net Demonstrated Capability  
Net Seasonal Capability  
Purchases  
Sales  
Available Capability<sup>a</sup>  
Native Load  
Energy Reduction Programs<sup>c</sup>  
Available Reserve  
Internal Load<sup>b</sup>  
Reserve

	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
--	-----	-----	-----	-----	-----	-----	-----	------

Net Demonstrated Capability  
Net Seasonal Capability  
Purchases  
Sales  
Available Capability<sup>a</sup>  
Native Load  
Energy Reduction Programs<sup>c</sup>  
Available Reserve  
Internal Load<sup>b</sup>  
Reserve

\* As of January 2016, DP&L has no load obligations.

a. Available Capability is equal to Net Seasonal Capability plus Purchases minus Sales.

b. Internal Load equals Native Load plus Interruptible Load.

c. Includes both energy efficiency and demand response.

PUCO Form FE-R8:  
Electric Utility's Actual and Forecast Ohio Peak Load and Resources  
Dedicated to Meet Electric Utility's Ohio Peak Load\*  
(Megawatts)  
Winter Season

	(-5)	(-4)	(-3)	(-2)	(-1)	(0)	(1)	(2)
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases								
Sales								
Available Capability <sup>a</sup>								
Native Load								
Energy Reduction Programs <sup>c</sup>								
Available Reserve								
Internal Load <sup>b</sup>								
Reserve								
	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases								
Sales								
Available Capability <sup>a</sup>								
Native Load								
Energy Reduction Programs <sup>c</sup>								
Available Reserve								
Internal Load <sup>b</sup>								
Reserve								

\* As of January 2016, DP&L has no load obligations.

a. Available Capability is equal to Net Seasonal Capability plus Purchases minus Sales.

b. Internal Load equals Native Load plus Interruptible Load.

c. Includes both energy efficiency and demand response.

**PUCO Form FE-R10:  
Specifications of Planned Electric Generation Facilities\***

\* As of January 2016, DP&L has no load obligations.

# **The Dayton Power and Light Company**

## **Environmental Control Plan Report**

Pursuant to Ohio Administrative Code (OAC) Section 4901:1-41-03, the Dayton Power and Light Company (DP&L or the Company) hereby submits its Environmental Control Plan Report. DP&L is an electric distribution utility as defined by Ohio Revised Code (ORC) Section 4928.01(A)(6) and a public utility as defined by OAC Section 4901:1-41-01(F). The purpose of this Report is to provide the Public Utilities Commission of Ohio (PUCO), a status update on the Company's resource planning and environmental compliance activities. DP&L transferred its generating plants to an affiliate, AES Ohio Generation, LLC on October 1, 2017, as required by the PUCO. In addition, due to market-driven challenges, the two coal-fired power plants operated by AES Ohio Generation, LLC, J.M. Stuart and Killen Stations, will retire in June, 2018.

#### **4901:1-41-03 (A) The Climate Registry**

DP&L became a participating member of The Climate Registry in December of 2009. The Company tracks greenhouse gas emissions and in the past provided a report to The Climate Registry in accordance with the Climate Registry's protocols.

On November 19, 2012, DP&L filed its application requesting that the Commission grant DP&L a waiver of the requirements of Rule 4901:1-41-03(A), O.A.C., and allow DP&L to satisfy the reporting requirements through compliance with the Federal GHG Rule. On December 12, 2012, the Commission found that a waiver of Rule 4901:1-41-03(A), O.A.C. is reasonable and should be granted, with the provision that copies of the Federal GHG reports be docketed with the Commission. PUCO Case No. 12-3026-EL-WVR. DP&L will file a copy of the 2017 GHG emission report from the federal EPA reporting system contemporaneously with this plan under Case No. 18-0462-EL-ECP.

#### **4901:1-41-03 (B)&(C) Environmental Control Plan, Including Carbon Dioxide Control Planning**

With the October 1, 2017 transfer of DP&L's generation assets to AES Ohio Generation, DP&L no longer owns or operates electric generating assets. In addition, on December 8, 2017, AES

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Ohio Generation completed the sale of the Miami Fort and Zimmer generating stations, and on March 27, 2018, AES Ohio Generation completed the sale of the Peaker Assets to a third party. As a result, the only generation assets owned by AES Ohio Generation are the shares in the Stuart and Killen Stations and Conesville unit 4, all of which were previously owned by DP&L. With the pending retirement of the coal-fired J.M. Stuart and Killen Stations, DP&L will have minimal GHG emissions associated with its transmission and distribution activities.

In addition, DP&L has implemented certain programs and actions that have had, and will continue to have, positive effects on the amount of emissions relative to electric service requirements of customers:

- DP&L has continued to implement extensive energy efficiency and demand response programs that will reduce the demand for electricity and should therefore over time, reduce the level of CO<sub>2</sub> and other GHG emissions per customer served.

DP&L's Environmental Control Plan also includes monitoring of the development of potential new environmental regulations, and the impact of those regulations on DP&L's efforts to reduce carbon dioxide emissions.

## **CONCLUSION**

DP&L has had active air, water, and waste control programs for over 25 years that have successfully minimized the environmental effects of conventional pollutants at the generation plants it operated.

DP&L continues to implement extensive energy efficiency and demand response programs that will reduce the demand for electricity and should therefore over time, reduce the level of CO<sub>2</sub> and other GHG emissions per customer served.

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Summary: Report In the matter of the Long Term Forecasting Report electronically filed by Mr. Michael F Russ on behalf of The Dayton Power and Light Company