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Elizabeth H. Watts  
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VIA ELECTRONIC FILING

June 29, 2018

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

Re: *In the Matter of the Long-Term Forecast Report of Duke Energy Ohio, Inc. and  
Related Matters*, Case No. 18-484-EL-FOR

Dear Ms. McNeal:

Duke Energy Ohio, Inc. hereby files its Long-Term Forecast Report. The Company will supplement this filing with additional information regarding planned electric transmission lines and proposed substations. At that time, the Company will submit an additional affidavit, as required by O.A.C 4901:5-1-03(D) to support the complete supplemental filing.

Please do not hesitate to contact me should you have any questions.

Very truly yours,

A handwritten signature in blue ink that reads "Elizabeth H. Watts" followed by the initials "D.H.W." in a cursive script.

Elizabeth H. Watts

Enclosure



**2018**

**LONG-TERM ELECTRIC FORECAST**

**REPORT**

**SUBMITTED BY**

**DUKE ENERGY OHIO, INC.**

**CASE NO. 18-484-EL-FOR**

**JUNE 29, 2018**

**Rocco D'Ascenzo**  
**Deputy General Counsel**  
**Elizabeth H. Watts**  
**Associate General Counsel**  
**Duke Energy Ohio, Inc.**  
**139 East Fourth Street**  
**Cincinnati, Ohio 45202**

**STATEMENT  
OF  
AMY B. SPILLER  
PRESIDENT, DUKE ENERGY OHIO, INC.**

I, Amy B. Spiller, President of Duke Energy Ohio, Inc., hereby certify that DUKE ENERGY OHIO, INC.'S 2018 ELECTRIC LONG-TERM FORECAST REPORT AND RESOURCE PLAN as submitted to the Public Utilities Commission of Ohio is true and correct to the best of my knowledge and belief.

I further certify the requirements of paragraphs (F) to (I) of Ohio Administrative Code §4901:5-1-03 will be met.



---

Amy B. Spiller  
President  
Duke Energy Ohio, Inc.

## CERTIFICATE OF SERVICE

I hereby certify that a true and accurate copy of DUKE ENERGY OHIO, INC.'S 2018 ELECTRIC LONG-TERM FORECAST REPORT AND RESOURCE PLAN was served by electronic delivery, this 29<sup>th</sup> day of June, 2018 upon the following:

Office of the Ohio Consumers' Counsel

10 West Broad St., Suite 1800

Columbus, OH 43215-3458

Also, a Letter of Notification was sent by First Class U.S. Mail to each library listed in the Report.

/s/Elizabeth H. Watts

Rocco D'Ascenzo (0077651)

Deputy General Counsel

Elizabeth H. Watts (0031092)

Associate General Counsel

Duke Energy Business Services LLC

139 East Fourth Street

Cincinnati, Ohio 45202

(513) 287-4320 (Telephone)

(513) 287-4385 (Fax)

Rocco.d'ascenzo@duke-energy.com

Elizabeth.watts@duke-energy.com

**Libraries Receiving a Letter of Notification Regarding Duke Energy Ohio, Inc.'s  
2018 Long-Term Forecast Report and Resource Plan**

County	Library	Address
Adams	Manchester Branch Library	401 Pike Street Manchester, OH 45144
Brown	Mary P. Shelton Library	200 West Grant Avenue Georgetown, OH 45121
Butler	Lane Public Library	300 North Third Street Hamilton, OH 45011
Butler	Middletown Public Library	125 South Broad Street Middletown, OH 45044
Clermont	Clermont County Public Library	180 South Third Street Batavia, OH 45103
Clinton	Wilmington Public Library	268 North South Street Wilmington, OH 45177
Hamilton	Public Library of Cincinnati & Hamilton County	800 Vine Street Cincinnati, OH 45202
	University of Cincinnati Library Reference Division	P.O. Box 210033 Cincinnati, OH 45221
Highland	Highland County District Library	10 Willettsville Pike Hillsboro, OH 45133
Montgomery	Dayton & Montgomery County Public Library	215 East Third Street Dayton, OH 45402
Preble	Preble County District Library	450 South Barron Street Eaton, OH 45320
Warren	Lebanon Public Library	101 South Broadway Street Lebanon, OH 45036

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**PUCO FORM FE-T1: TRANSMISSION ENERGY DELIVERY FORECAST**  
**(Megawatt Hours/Year) (a)**

YEAR	(1) ENERGY RECEIPTS FROM GENERATION SOURCES CONNECTED TO THE OWNER'S SYSTEM INSIDE OHIO	(2) ENERGY RECEIPTS FROM GENERATION SOURCES CONNECTED TO THE SYSTEM OUTSIDE OHIO	(3) TOTAL ENERGY RECEIPTS FROM GENERATION SOURCES	(4) ENERGY RECEIPTS AT INTERCONNECTIONS WITH OTHER TRANSMISSION COMPANIES	(5) ENERGY RECEIPTS AT INTERCONNECTIONS WITH OTHER TRANSMISSION COMPANIES OUTSIDE OHIO	(6) TOTAL ENERGY RECEIPTS AT INTERCONNECTIONS	(7) TOTAL ENERGY RECEIPTS	(8) ENERGY DELIVERIES AT INTERCONNECTIONS WITH OTHER TRANSMISSION COMPANIES INSIDE OHIO	(9) ENERGY DELIVERIES AT INTERCONNECTIONS WITH OTHER TRANSMISSION COMPANIES OUTSIDE OHIO	(10) TOTAL ENERGY DELIVERIES AT INTERCONNECTIONS	(11) TOTAL ENERGY DELIVERIES FOR LOAD CONNECTED TO THE SYSTEM	(12) ENERGY DELIVERIES FOR LOADS CONNECTED TO THE SYSTEM INSIDE OHIO	(13) ENERGY DELIVERIES FOR LOADS CONNECTED TO THE SYSTEM OUTSIDE OHIO
-5 2013	21,136,419	3,708,908	24,845,327	5,624,083	10,408,958	16,033,041	40,878,368	13,398,685	1,253,227	14,651,912	25,654,763	21,371,487	4,283,277
-4 2014	16,526,108	2,912,565	19,438,673	19,834,282	1,159,012	20,793,294	40,231,987	12,941,696	269,313	13,211,009	27,020,958	22,531,338	4,489,620
-3 2015	12,970,578	4,456,234	17,426,812	21,215,216	1,048,075	22,263,291	39,690,103	12,107,842	372,451	12,480,293	27,208,810	22,934,328	4,275,482
-2 2016	13,427,643	3,698,853	17,126,496	21,764,183	1,092,846	22,857,029	39,983,525	11,952,414	398,127	12,350,541	27,632,984	23,063,417	4,569,567
-1 2017	16,174,898	4,281,241	20,456,139	18,801,234	849,146	19,650,380	40,106,519	12,936,330	499,124	13,435,454	26,671,065	22,276,085	4,394,970
0 2018											25,484,470	21,282,840	4,201,630
1 2019											25,511,524	21,291,361	4,220,163
2 2020											25,470,759	21,227,536	4,243,223
3 2021											25,407,060	21,144,224	4,262,836
4 2022											25,417,065	21,131,669	4,285,396
5 2023											25,442,435	21,125,128	4,317,307
6 2024											25,537,795	21,175,454	4,362,341
7 2025											25,570,099	21,179,417	4,390,682
8 2026											25,663,509	21,248,826	4,414,683
9 2027											25,813,317	21,334,214	4,479,103
10 2028											26,042,156	21,507,477	4,534,679

(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)(a)**

**Duke Energy Ohio BEFORE DSM (e)**

	Year	Native Load (b)		Internal Load (c)	
		Summer	Winter (d)	Summer	Winter (d)
-5	2013	4,167	3,052	4,167	3,052
-4	2014	4,053	3,662	4,053	3,662
-3	2015	4,049	3,702	4,049	3,702
-2	2016	4,427	3,417	4,427	3,417
-1	2017	3,957	3,713	3,957	3,713
0	2018	4,052	3,732	4,166	3,732
1	2019	4,066	3,750	4,186	3,750
2	2020	4,084	3,757	4,203	3,757
3	2021	4,092	3,779	4,217	3,779
4	2022	4,108	3,802	4,234	3,802
5	2023	4,125	3,828	4,252	3,828
6	2024	4,141	3,831	4,268	3,831
7	2025	4,149	3,845	4,276	3,845
8	2026	4,165	3,859	4,292	3,859
9	2027	4,179	3,881	4,306	3,881
10	2028	4,198	3,885	4,325	3,885

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

(b) Excludes interruptible load.

(c) Includes interruptible load.

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

(e) Includes historical DSM impacts.



4901:5-5-03

**PUCO Form FE-T2 : Electric Transmission Owner's System Seasonal Peak Load Demand Forecast**  
(Megawatts)(a)

**Duke Energy Ohio After DSM (e) (f)**

	Year	Native Load (b)	Winter (d)	Internal Load (c)	Winter (d)
-5	2013	<u>4,167</u>	<u>3,052</u>	<u>4,167</u>	<u>3,052</u>
-4	2014	4,053	3,662	4,053	3,662
-3	2015	4,049	3,702	4,049	3,702
-2	2016	4,427	3,417	4,427	3,417
-1	2017	3,957	3,713	3,957	3,713
0	2018	4,048	3,724	4,161	3,724
1	2019	4,055	3,735	4,174	3,735
2	2020	4,066	3,736	4,185	3,736
3	2021	4,066	3,750	4,191	3,750
4	2022	4,074	3,764	4,201	3,764
5	2023	4,085	3,784	4,212	3,784
6	2024	4,094	3,781	4,221	3,781
7	2025	4,095	3,789	4,222	3,789
8	2026	4,104	3,796	4,231	3,796
9	2027	4,112	3,814	4,239	3,814
10	2028	4,126	3,814	4,253	3,814

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

(b) Excludes interruptible load.

(c) Includes interruptible load.

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

(e) Includes historical DSM impacts.

(f) Historical company peaks not necessarily coincident with system peak.

## PUCO Form FE-T3: Electric Transmission Owner's Total Monthly Energy Forecast (MWh)

2018 (d)	Duke Energy Ohio After DSM (e)		
	Ohio Portion (a)	Total Company (b)	Total System (c)
January	1,947,518	1,947,518	1,947,518
February	1,735,750	1,735,750	1,735,750
March	1,677,098	1,677,098	1,677,098
April	1,555,524	1,555,524	1,555,524
May	1,626,996	1,626,996	1,626,996
June	1,863,145	1,863,145	1,863,145
July	2,063,393	2,063,393	2,063,393
August	2,007,963	2,007,963	2,007,963
September	1,752,685	1,752,685	1,752,685
October	1,575,518	1,575,518	1,575,518
November	1,629,354	1,629,354	1,629,354
December	1,847,896	1,847,896	1,847,896
2019 (d)			
January	1,964,936	1,964,936	1,964,936
February	1,746,266	1,746,266	1,746,266
March	1,685,464	1,685,464	1,685,464
April	1,563,526	1,563,526	1,563,526
May	1,631,368	1,631,368	1,631,368
June	1,867,359	1,867,359	1,867,359
July	2,060,793	2,060,793	2,060,793
August	2,003,247	2,003,247	2,003,247
September	1,745,418	1,745,418	1,745,418
October	1,567,497	1,567,497	1,567,497
November	1,619,416	1,619,416	1,619,416
December	1,836,071	1,836,071	1,836,071

(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 a part of an integrated operating system shall provide for the total system in this column.

(d) All data shown is a forecast. There is no actual data shown on this table.

(e) Includes DSM impacts.

**PUCO Form FE-T4: Electric Transmission Owner's Monthly Internal Peak Load Forecast (Megawatts)**  
Internal

2018 (d)	Ohio Portion <sup>a</sup>	Duke Energy Ohio After DSM (e)	Total Service Area <sup>b</sup>	System <sup>c</sup>
January	3,700		3,700	3,700
February	3,445		3,445	3,445
March	3,025		3,025	3,025
April	2,830		2,830	2,830
May	3,537		3,537	3,537
June	4,028		4,028	4,028
July	4,161		4,161	4,161
August	4,108		4,108	4,108
September	3,977		3,977	3,977
October	2,825		2,825	2,825
November	3,034		3,034	3,034
December	3,300		3,300	3,300
2019 (d)				
January	3,724		3,724	3,724
February	3,467		3,467	3,467
March	3,045		3,045	3,045
April	2,848		2,848	2,848
May	3,552		3,552	3,552
June	4,041		4,041	4,041
July	4,174		4,174	4,174
August	4,121		4,121	4,121
September	3,991		3,991	3,991
October	2,842		2,842	2,842
November	3,050		3,050	3,050
December	3,318		3,318	3,318

(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 a part of an integrated operating system shall provide data for the total system in this column.

(d) All data shown is a forecast. There is no actual data shown on this table.

(e) Includes DSM impacts.

Forms FE-T5 and FE-T6 - As of January 1, 2012 PJM took over functional control of the transmission system. Duke Energy Ohio no longer sells transmission or tracks the firmness thereof. Also, the allocation of Available Flowgate Capacity (AFC) became the sole responsibility of PJM. For these reasons, Duke Energy Ohio cannot guarantee the accuracy of the information on these forms. All the data presented on Forms FE-T5 and FE-T6 is for calendar year 2017.

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Jan-17

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	1,741,273	0	1,741,273
Energy Receipts from other sources	1,937,928	0	1,937,928
Total Energy Receipts	3,679,201	0	3,679,201

**PART B: DELIVERY OF ENERGY**

Reporting Month

Jan-17

1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	2,239,261	0	2,239,261
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	37,316	0	37,316
Municipal-Owned Electric Systems	100,489	0	100,489
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,429,830	0	1,429,830
Total Energy Delivery	3,806,896	0	3,806,896

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Jan-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,871,992	0	1,871,992
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,336,578	0	1,336,578
Total Energy Delivery	3,208,570	0	3,208,570

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Jan-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	(127,695)	0	(127,695)

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

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL  
MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Feb-17

**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	1,850,310	0	1,850,310
Energy Receipts from other sources	1,414,780	0	1,414,780
Total Energy Receipts	3,265,090	0	3,265,090

**PART B: DELIVERY OF ENERGY**

Reporting Month

Feb-17

**1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,903,652	0	1,903,652
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	30,522	0	30,522
Municipal-Owned Electric Systems	85,307	0	85,307
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,380,287	0	1,380,287
Total Energy Delivery	3,399,768	0	3,399,768

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL  
MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Feb-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,587,227	0	1,587,227
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,298,931	0	1,298,931
Total Energy Delivery	2,886,158	0	2,886,158

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Feb-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	(134,678)	0	(134,678)

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



**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Mar-17

**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	1,915,609	0	1,915,609
Energy Receipts from other sources	1,423,955	0	1,423,955
<b>Total Energy Receipts</b>	<b>3,339,564</b>	<b>0</b>	<b>3,339,564</b>

**PART B: DELIVERY OF ENERGY**

Reporting Month

Mar-17

**1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
<b>For Distribution service:</b>			
Affiliated Electric Utility Companies	1,834,190	0	1,834,190
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	33,580	0	33,580
Municipal-Owned Electric Systems	93,840	0	93,840
Federal and State Electric Agencies			
Other end user service			
<b>For Non Distribution service (transmission to transmission service)</b>	<b>1,281,521</b>	<b>0</b>	<b>1,281,521</b>
<b>Total Energy Delivery</b>	<b>3,243,131</b>	<b>0</b>	<b>3,243,131</b>

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Mar-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,531,926	0	1,531,926
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,188,445	0	1,188,445
Total Energy Delivery	2,720,371	0	2,720,371

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Mar-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	96,433	0	96,433

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

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Apr-17

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	1,762,958	0	1,762,958
Energy Receipts from other sources	1,271,150	0	1,271,150
Total Energy Receipts	3,034,108	0	3,034,108

**PART B: DELIVERY OF ENERGY**

Reporting Month

Apr-17

1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,758,210	0	1,758,210
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	27,412	0	27,412
Municipal-Owned Electric Systems	83,491	0	83,491
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,194,776	0	1,194,776
Total Energy Delivery	3,063,889	0	3,063,889

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Apr-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,467,120	0	1,467,120
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,107,288	0	1,107,288
Total Energy Delivery	2,574,408	0	2,574,408

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Apr-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	(29,781)	0	(29,781)

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

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

May-17

**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	1,105,365	0	1,105,365
Energy Receipts from other sources	1,747,480	0	1,747,480
Total Energy Receipts	2,852,845	0	2,852,845

**PART B: DELIVERY OF ENERGY**

Reporting Month

May-17

**1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,775,466	0	1,775,466
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	29,697	0	29,697
Municipal-Owned Electric Systems	93,347	0	93,347
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	844,920	0	844,920
Total Energy Delivery	2,743,430	0	2,743,430

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

May-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,481,238	0	1,481,238
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	745,384	0	745,384
Total Energy Delivery	2,226,622	0	2,226,622

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

May-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	109,415	0	109,415

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

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Jun-17

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	1,788,943	0	1,788,943
Energy Receipts from other sources	1,661,798	0	1,661,798
Total Energy Receipts	3,450,741	0	3,450,741

**PART B: DELIVERY OF ENERGY**

Reporting Month

Jun-17

1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	2,000,856	0	2,000,856
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	33,401	0	33,401
Municipal-Owned Electric Systems	105,507	0	105,507
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,182,458	0	1,182,458
Total Energy Delivery	3,322,222	0	3,322,222



**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Jun-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,665,094	0	1,665,094
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,077,357	0	1,077,357
Total Energy Delivery	2,742,451	0	2,742,451

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Jun-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	128,519	0	128,519

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

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Jul-17

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	1,678,225	0	1,678,225
Energy Receipts from other sources	2,020,841	0	2,020,841
Total Energy Receipts	3,699,066	0	3,699,066

**PART B: DELIVERY OF ENERGY**

Reporting Month

Jul-17

1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	2,251,684	0	2,251,684
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	37,176	0	37,176
Municipal-Owned Electric Systems	117,562	0	117,562
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,154,394	0	1,154,394
Total Energy Delivery	3,560,816	0	3,560,816

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Jul-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,874,758	0	1,874,758
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,038,635	0	1,038,635
Total Energy Delivery	2,913,393	0	2,913,393

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Jul-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	138,250	0	138,250

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

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Aug-17

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	1,819,720	0	1,819,720
Energy Receipts from other sources	1,799,633	0	1,799,633
Total Energy Receipts	3,619,353	0	3,619,353

**PART B: DELIVERY OF ENERGY**

Reporting Month

Aug-17

1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	2,210,269	0	2,210,269
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	35,156	0	35,156
Municipal-Owned Electric Systems	111,818	0	111,818
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,225,301	0	1,225,301
Total Energy Delivery	3,582,544	0	3,582,544

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Aug-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,838,563	0	1,838,563
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,113,211	0	1,113,211
Total Energy Delivery	2,951,774	0	2,951,774

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Aug-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	36,809	0	36,809

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

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Sep-17

**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	1,690,309	0	1,690,309
Energy Receipts from other sources	1,435,111	0	1,435,111
<b>Total Energy Receipts</b>	<b>3,125,420</b>	<b>0</b>	<b>3,125,420</b>

**PART B: DELIVERY OF ENERGY**

Reporting Month

Sep-17

**1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
<b>For Distribution service:</b>			
Affiliated Electric Utility Companies	2,021,583	0	2,021,583
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	30,093	0	30,093
Municipal-Owned Electric Systems	95,455	0	95,455
Federal and State Electric Agencies			
Other end user service			
<b>For Non Distribution service (transmission to transmission service)</b>	<b>1,072,286</b>	<b>0</b>	<b>1,072,286</b>
<b>Total Energy Delivery</b>	<b>3,219,417</b>	<b>0</b>	<b>3,219,417</b>

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Sep-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,680,176	0	1,680,176
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	977,734	0	977,734
Total Energy Delivery	2,657,910	0	2,657,910

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Sep-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	(93,997)	0	(93,997)

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



**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL  
MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Oct-17

**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	1,642,872	0	1,642,872
Energy Receipts from other sources	1,479,861	0	1,479,861
Total Energy Receipts	3,122,733	0	3,122,733

**PART B: DELIVERY OF ENERGY**

Reporting Month

Oct-17

**1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,846,939	0	1,846,939
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	29,578	0	29,578
Municipal-Owned Electric Systems	90,784	0	90,784
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,187,949	0	1,187,949
Total Energy Delivery	3,155,250	0	3,155,250

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Oct-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,531,897	0	1,531,897
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,094,037	0	1,094,037
Total Energy Delivery	2,625,934	0	2,625,934

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Oct-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	(32,517)	0	(32,517)

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

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Nov-17

**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	1,674,145	0	1,674,145
Energy Receipts from other sources	1,489,339	0	1,489,339
Total Energy Receipts	3,163,484	0	3,163,484

**PART B: DELIVERY OF ENERGY**

Reporting Month

Nov-17

**1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,751,541	0	1,751,541
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	32,067	0	32,067
Municipal-Owned Electric Systems	89,499	0	89,499
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,220,708	0	1,220,708
Total Energy Delivery	3,093,815	0	3,093,815

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Nov-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,455,398	0	1,455,398
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			0
Municipally-Owned Electric Systems			0
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,124,380	0	1,124,380
Total Energy Delivery	2,579,778	0	2,579,778

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Nov-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	69,669	0	69,669

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

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

**PART A: SOURCES OF ENERGY**

Reporting Month

Dec-17

**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	1,786,410	0	1,786,410
Energy Receipts from other sources	1,968,504	0	1,968,504
<b>Total Energy Receipts</b>	<b>3,754,914</b>	<b>0</b>	<b>3,754,914</b>

**PART B: DELIVERY OF ENERGY**

Reporting Month

Dec-17

**1. Energy deliveries to all points connected to the Electric Transmission Owner's system (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
<b>For Distribution service:</b>			
Affiliated Electric Utility Companies	1,978,462	0	1,978,462
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric System	39,657	0	39,657
Municipal-Owned Electric Systems	103,277	0	103,277
Federal and State Electric Agencies			
Other end user service			
<b>For Non Distribution service (transmission to transmission service)</b>	<b>1,435,187</b>	<b>0</b>	<b>1,435,187</b>
<b>Total Energy Delivery</b>	<b>3,556,583</b>	<b>0</b>	<b>3,556,583</b>

**FORM FE-T5 MONTHLY ENERGY TRANSACTIONS (TOTAL MWH/MONTH) FOR THE MOST RECENT YEAR**

Reporting Month

Dec-17

**2. Energy deliveries to all points connected to the Electric Transmission Owner's system located in Ohio (MWH)**

	Firm Transmission Service	Non-Firm Transmission Service	Total
For Distribution service:			
Affiliated Electric Utility Companies	1,648,682	0	1,648,682
Other Investor-Owned Electric Utilities			
Cooperatively-Owned Electric System			
Municipally-Owned Electric Systems			
Federal and State Electric Agencies			
Other end user service			
For Non Distribution service (transmission to transmission service)	1,333,474	0	1,333,474
Total Energy Delivery	2,982,156	0	2,982,156

**PART C: LOSSES AND UNACCOUNTED FOR (MWH)**

REPORTING MONTH

Dec-17

	Firm Transmission Service	Non-Firm Transmission Service	Total
Sources minus Delivery (a)	198,331	0	198,331

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

**FORMFE-T6: CONDITIONS AT TIME OF MONTHLY PEAK**

 Reporting Month **JANUARY**

Megawatts	3,605	Day of Week	Friday	Day of Month	6	Hour of Peak	19:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				25	0	25	
Requests (MW)				6,218	0	6,218	
Number of requests accepted				5	0	5	
Requests accepted (MW)				968	0	968	
							Reason for non-delivery
Requests not accepted (MW) and reason for not accepting delivery				5,250	0	5,250	Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

 Reporting Month **FEBRUARY**

Megawatts	3,264	Day of Week	Thursday	Day of Month	9	Hour of Peak	20:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				25	0	25	
Requests (MW)				6,218	0	6,218	
Number of requests accepted				5	0	5	
Requests accepted (MW)				968	0	968	
							Reason for non-delivery
Requests not accepted (MW) and reason for not accepting delivery				5,250	0	5,250	Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted



**FORMFE-T6: CONDITIONS AT TIME OF MONTHLY PEAK**

 Reporting Month    **MARCH**

Megawatts	3,251	Day of Week	Wednesday	Day of Month	15	Hour of Peak	7:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				25	0	25	
Requests (MW)				6,218	0	6,218	
Number of requests accepted				5	0	5	
Requests accepted (MW)				968	0	968	
							Reason for non-delivery
Requests not accepted (MW) and reason for not accepting delivery				5,250	0	5,250	Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

 Reporting Month    **APRIL**

Megawatts	3,005	Day of Week	Thursday	Day of Month	20	Hour of Peak	15:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				25	0	25	
Requests (MW)				6,218	0	6,218	
Number of requests accepted				5	0	5	
Requests accepted (MW)				968	0	968	
							Reason for non-delivery
Requests not accepted (MW) and reason for not accepting delivery				5,250	0	5,250	Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

FORMFE-T6: CONDITIONS AT TIME OF MONTHLY PEAK

Reporting Month MAY

Megawatts	3,549	Day of Week	Friday	Day of Month	19	Hour of Peak	14:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				25	0	25	
Requests (MW)				6,218	0	6,218	
Number of requests accepted				5	0	5	
Requests accepted (MW)				968	0	968	
							Reason for non-delivery
Requests not accepted (MW) and reason for not accepting delivery				5,250	0	5,250	Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

Reporting Month JUNE

Megawatts	4,004	Day of Week	Monday	Day of Month	12	Hour of Peak	16:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				30	0	30	
Requests (MW)				6,624	0	6,624	
Number of requests accepted				6	0	6	
Requests accepted (MW)				1,174	0	1,174	
							Reason for non-delivery
Requests not accepted (MW) and reason for not accepting delivery				5,450	0	5,450	Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

**FORMFE-T6: CONDITIONS AT TIME OF MONTHLY PEAK**

 Reporting Month **JULY**

Megawatts	4,181	Day of Week	Tuesday	Day of Month	18	Hour of Peak	17:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				30	0	30	
Requests (MW)				6,624	0	6,624	
Number of requests accepted				6	0	6	
Requests accepted (MW)				1,174	0	1,174	
							Reason for non-delivery
Requests not accepted (MW) and reason for not accepting delivery				5,450	0	5,450	Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

 Reporting Month **AUGUST**

Megawatts	4,214	Day of Week	Thursday	Day of Month	17	Hour of Peak	13:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				30	0	30	
Requests (MW)				6,624	0	6,624	
Number of requests accepted				6	0	6	
Requests accepted (MW)				1,174	0	1,174	
							Reason for non-delivery
Requests not accepted (MW) and reason for not accepting delivery				5,450	0	5,450	Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

**FORMFE-T6: CONDITIONS AT TIME OF MONTHLY PEAK**

Reporting Month **SEPTEMBER**

Megawatts	3,908	Day of Week	Tuesday	Day of Month	26	Hour of Peak	17:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				30	0	30	
Requests (MW)				6,624	0	6,624	
Number of requests accepted				6	0	6	
Requests accepted (MW)				1,174	0	1,174	
Requests not accepted (MW) and reason for not accepting delivery				5,450	0	5,450	Reason for non-delivery Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

Reporting Month **OCTOBER**

Megawatts	3,110	Day of Week	Wednesday	Day of Month	4	Hour of Peak	15:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				30	0	30	
Requests (MW)				6,624	0	6,624	
Number of requests accepted				6	0	6	
Requests accepted (MW)				1,174	0	1,174	
Requests not accepted (MW) and reason for not accepting delivery				5,450	0	5,450	Reason for non-delivery Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

**FORMFE-T6: CONDITIONS AT TIME OF MONTHLY PEAK**

 Reporting Month    **NOVEMBER**

Megawatts	2,943	Day of Week	Monday	Day of Month	20	Hour of Peak	8:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				30	0	30	
Requests (MW)				6,624	0	6,624	
Number of requests accepted				6	0	6	
Requests accepted (MW)				1,174	0	1,174	
							Reason for non-delivery
Requests not accepted (MW) and reason for not accepting delivery				5,450	0	5,450	Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

 Reporting Month    **DECEMBER**

Megawatts	3,549	Day of Week	Thursday	Day of Month	28	Hour of Peak	11:00
				Firm Transmission Service	Non-Firm Transmission Service	Total	
<b>CURTAILMENT PRIORITY CLASSES</b>							
Number of Requests				33	9	42	
Requests (MW)				7,088	936	8,024	
Number of requests accepted				10	9	19	
Requests accepted (MW)				1,638	936	2,574	
							Reason for non-delivery
Requests not accepted (MW) and reason for not accepting delivery				5,450	0	5,450	Withdrawn/ Invalid/ Refused/ Declined/ Annulled/ Retracted

DUKE ENERGY OHIO  
4901:5-5-04(C)(1) (a)  
FORM FE-T7: CHARACTERISTICS OF EXISTING TRANSMISSION LINES

WHOLLY OWNED TRANSMISSION LINES DESIGNED FOR 138 KV OPERATIONS										SUBSTATIONS ON THE LINE			
CIRCUIT NO. DSO-A	LINE NAME	ORIGIN	TERMINUS	SUMMER CAPABILITY (MVA)		WINTER CAPABILITY (MVA)		VOLTAGE (KV)		R-O-W LENGTH (MILES)	WIDTH (FEET)	SUPPORTING STRUCTURES	NUMBER OF CIRCUITS
				NORMAL RATING	EMERGENCY RATING	NORMAL RATING	EMERGENCY RATING	OPER. LEVEL	DESIGN LEVEL				
684	Evendale-GE Ram Jet Elmwood-Lateral Section 1	Evendale Elmwood	Tower No. 2 Lateral	170	206	227	252	138	138	0.17	100	Steel Tower	1
689	Elmwood-Terminal Section 2	Elmwood	Terminal	226	275	302	336	138	138	1.34	100	Wood Pole	1
885	Oakley-Red Bank Oakley-Backford	Oakley	Red Bank	226	275	302	336	138	138	2.37	100	Steel Tower	2
886	Oakley-Backford Section 1	Oakley	Backford	282	343	377	421	138	138	1.40	100	Wood Pole	1
	Oakley-Backford Section 2	Oakley	Backford	282	343	377	421	138	138	1.09	100	Steel Tower	2
1180	Ashland-Whittier Section 1	Ashland	Whittier	282	343	377	421	138	138	16.45	100	Steel Tower	2
	Ashland-Whittier Section 2	Ashland	Whittier	301	301	378	378	138	138	1.98	50	Steel Pole & Wood Pole	1
1263	Mitchell-Brighton Central-Ashland	Mitchell	Brighton	230	280	308	343	138	138	0.18	100	Steel Pole	1
1269	Mitchell-Terminal West End	Mitchell	Terminal	230	280	308	343	138	138	0.31	100	Steel Tower	2
1284	Mitchell-West End	Mitchell	West End	230	280	308	343	138	138	0.48	50	Steel Pole & Wood Pole	1
1286	Mitchell-Central	Mitchell	Central	92	111	123	136	69	138	4.20	100	Steel Tower	2
1288	Charles-West End	Charles	West End	98	98	122	122	69	138	2.98	100	Steel Tower	2
1385	Charles-West End	Charles	West End	234	245	267	277	138	138	3.61	100	Steel Tower	2
1587	West End-Crescent	West End	Ohio/Ry. St. Line	234	284	312	343	138	138	8.18	100	Steel Tower	2
1681	Miami Fort-Greendale	Miami Fort	Greendale	230	280	308	343	138	138	0.86	100	Steel Tower & Wood Pole	1
1682	Miami Fort-Clifty Creek	Miami Fort	Clifty Creek	230	280	308	343	138	138	2.30	100	Steel Tower	2
1683	Miami Fort-Hebbron	Ohio/Ry. St. Line	Ohio/Ry. St. Line	234	245	267	277	138	138	1.11	100	Underground	1
1688	Miami Fort-Morgan	Miami Fort	Morgan	234	245	267	277	138	138	1.42	100	Underground	1
1689	Miami Fort-Trenton	Miami Fort	Trenton	226	275	302	336	138	138	0.30	100	Steel Tower	1
1762	Trenton-Terminal	Trenton	Terminal	500	500	679	679	138	138	0.86	100	Steel Tower & Wood Pole	1
1782	Terminal-Glenview Section 1	Terminal	Glenview	77	92	102	113	69	138	0.30	100	Wood H-Frame	1
	Terminal-Glenview Section 2	Terminal	Glenview	77	92	102	113	69	138	0.13	100	Steel Tower	2
1783	Terminal-Ebenezer Section 1	Terminal	Ebenezer	230	280	308	343	138	138	0.34	100	Wood Pole	1
	Terminal-Ebenezer Section 2	Terminal	Ebenezer	230	280	308	343	138	138	8.16	100	Steel Tower	2
1880	Backford-Silver Grove Section 1	Backford	Ohio/Ry. St. Line	234	284	312	349	138	138	0.45	100	Steel Tower	1
	Backford-Silver Grove Section 2	Backford	Ohio/Ry. St. Line	234	284	312	349	138	138	1.20	100	Wood Pole	1
1881	Backford-Wilder	Backford	Ohio/Ry. St. Line	234	284	312	349	138	138	5.03	100	Steel Tower	2
1885	Backford-Tobasco	Backford	Tobasco	234	284	312	349	138	138	0.60	100	Wood H-Frame	1
1887	Backford-Pierce	Backford	Pierce	234	284	312	349	138	138	9.98	100	Steel Tower	2
1889	Backford-Pierce	Backford	Pierce	253	308	339	377	138	138	0.13	100	Wood H-Frame	1
2166	Brighton-Wilder	Brighton	Ohio/Ry. St. Line	253	308	339	377	138	138	1.00	100	Wood Pole	1
2381	Warren-Clinton County	Warren	Clinton County	166	201	221	245	138	138	0.25	100	Steel Tower	2
2862	Miami Fort-Gt-Villa	Miami Fort	Ohio/Ry. St. Line	282	343	377	421	138	138	0.32	100	Steel Tower	2
2865	Miami Fort-Gt-Monsanto	Miami Fort	Ohio/Ry. St. Line	282	343	377	421	138	138	5.84	100	Steel Tower	2
2986	Cedarville-Ford	Cedarville	Ford	478	478	478	478	138	138	0.98	50	Wood Pole & Steel Tower	1
3263	Trenton-Middletown Oxygen Section 1	Trenton	Ohio/Ry. St. Line	253	308	339	377	138	138	0.22	100	Steel Tower	1
3281	Trenton-College Corner N/A	Trenton	Ohio/Ry. St. Line	253	308	339	377	138	138	3.65	100	Steel Tower	2
3283	Trenton-Todhunter	Trenton	Todhunter	170	206	227	252	138	138	16.32	100	Wood H-Frame	1
3284	Port Union-Summerside	Port Union	Summerside	170	206	227	252	138	138	0.14	100	Steel Tower	2
3881	Port Union-Summerside Section 1	Port Union	Summerside	170	206	227	252	138	138	6.39	100	Steel Tower	2
	Port Union-Summerside Section 2	Port Union	Summerside	302	302	337	337	138	138	5.02	100	Wood Pole	1
	Port Union-Summerside Section 3	Port Union	Summerside	198	198	249	249	138	138	4.86	100	Wood Pole	1
	Port Union-Summerside Section 4	Port Union	Summerside	266	266	333	333	138	138	2.77	100	Steel Tower	2
	Port Union-Summerside Section 5	Port Union	Summerside	266	266	333	333	138	138	24.11	100	Steel Tower	2
	Port Union-Summerside Section 6	Port Union	Summerside	266	266	333	333	138	138	3.94	90	Wood H-Frame	1
	Port Union-Summerside Section 7	Port Union	Summerside	266	266	333	333	138	138	4.9	100	Wood H-Frame	1
	Port Union-Summerside Section 8	Port Union	Summerside	266	266	333	333	138	138	22.74	100	Steel Tower	2
	Port Union-Summerside Section 9	Port Union	Summerside	266	266	333	333	138	138	2.87	50	Wood Pole	1

DUKE ENERGY OHIO  
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FORM FE-T7: CHARACTERISTICS OF EXISTING TRANSMISSION LINES  
WHOLLY OWNED TRANSMISSION LINES DESIGNED FOR 138 KV OPERATION

CIRCUIT NO. DED-A	LINE NAME	ORIGIN	TERMINUS	SUMMER CAPABILITY (MVA) NORMAL RATING	WINTER CAPABILITY (MVA) NORMAL RATING	EMERGENCY RATING	OPER. LEVEL	VOLTAGE (KV) DESIGN LEVEL	R-O-W LENGTH (MILES)	WIDTH (FEET)	SUPPORTING STRUCTURES	NUMBER OF CIRCUITS	SUBSTATIONS ON THE LINE
3885	Port Union-Fairfield	Port Union	Fairfield	310	310	310	138	138	6.59	100	Steel Tower	2	Hall, Provident
3886	Port Union-Fairfield	Port Union	Fairfield	198	198	249	138	138	6.75	100	Steel Tower	2	Mulhauser
3887	Port Union-Todhunter	Port Union	Todhunter	304	304	390	138	138	9.69	100	Steel Tower	2	Millikin
3888	Port Union-Todhunter	Port Union	Todhunter	304	304	390	138	138	9.69	100	Steel Tower	2	Beckett
3889	Port Union-City of Hamilton	Port Union	City of Hamilton	253	308	339	138	138	4.65	100	Wood Pole	1	
3981	Central-Oakley	Central	Oakley	230	280	308	138	138	2.90	100	Steel Tower	2	
3985	Central-Ashland	Central	Ashland	230	280	308	138	138	3.43	100	Steel Tower	2	
4187	Lateral-Red Bank	Lateral	Red Bank	230	280	308	138	138	2.90	100	Steel Tower	2	
4861	Ivorydale-Terminal	Tower No. 1	Tower No. 5	83	101	123	69	138	0.90	100	Steel Tower	2	
5381	Shaker Run-Rockies Express	Structure 698	Rockies Express	478	478	287	138	138	0.67	50	Steel Pole	1	Carlisle, Union
5483	Section 1 Section 2 Foster-Port Union	Rockies Express	Carlisle	287	287	287	138	138	10.58	50	Wood Pole	1	
5487	Section 1 Section 2 Foster-Remington	Port Union Foster	Montgomery Tower No. 133	226 236	275 296	302 374	138 138	138 138	9.19 5.90	100 50	Steel Tower Wood Pole	2 1	Dimmick, Montgomery Simpson, Socialville, Twenty Mile
5489	Foster-Cedarville	Foster	Cedarville	253	308	339	138	138	13.40	100	Steel Tower	2	Montgomery
5484	Foster-Warren	Foster	Warren	253	308	339	138	138	4.45	100	Wood Pole	1	Enyart
5657	Todhunter-Shaker Run	Todhunter	Structure 645A	83	101	123	69	138	12.23	100	Wood Pole	1	Channonville
5680	Todhunter-Warren	Todhunter	Warren	165	202	227	138	138	8.70	100	Wood Pole	1	Maineville
5682	Todhunter-AK Steel	Todhunter	AK Steel	300	300	300	138	138	5.14	100	Wood H-Frame	1	Nickel
5686	Todhunter-AK Steel	Todhunter	AK Steel	300	300	300	138	138	9.55	90	Wood H-Frame	1	
5689	Todhunter-Rockies Express	Structure 698	Rockies Express	300	300	300	138	138	2.34	100	Steel Tower	2	
5781	Fairfield-City of Hamilton	Fairfield	City of Hamilton	170	206	227	138	138	2.34	100	Steel Tower	2	Dicks Creek
5783	Fairfield-Morgan	Fairfield	Morgan	478	478	287	138	138	0.33	100	Steel Pole	1	
5884	Brown-Eastwood	Brown	Eastwood	253	308	339	138	138	0.63	50	Steel Pole	1	
5886	Brown-Stuart	Brown	Stuart	166	201	221	138	138	6.05	100	Wood Pole	1	
5985	Wildier-West End	Wildier	West End	221	245	278	138	138	16.50	100	Steel Tower	2	
5988	Wildier-Beckjord	Wildier	Beckjord	253	308	339	138	138	13.00	100	Wood H-Frame	1	
6365	Tobasco-Markley	Ohio/Ry. St. Line Pole No. 401	Markley	234	285	313	138	138	21.16	100	Wood H-Frame	1	
6664	Miami Fort St-Benezar	Ohio/Ry. St. Line Pole No. 401	Markley	253	287	339	138	138	0.20	100	Steel Tower	2	
6685	Miami Fort St-Benezar	Miami Fort St	Miami Fort	226	275	302	138	138	0.37	100	Steel Tower	2	
6885	Benezar-Miami Fort	Benezar	Miami Fort	83	101	123	69	138	1.70	100	Wood Pole	2	
6984	Summerside-Beckjord	Summerside	Beckjord	228	280	313	138	138	6.39	100	Steel Tower	2	
7284	Glenview-Miami Fort	Glenview	Miami Fort	226	275	302	138	138	10.26	100	Steel Tower	2	
7481	Red Bank-Terminal	Section 1 Section 2 Section 3	Section 1 Section 2 Section 3	310	310	310	138	138	4.92	100	Steel Tower	2	Clement
7484	Red Bank-Ashland	Section 1 Section 2 Section 3	Section 1 Section 2 Section 3	230	248	308	138	138	0.60	100	Wood H-Frame	1	
7489	Red Bank-Tobasco	Section 1 Section 2 Section 3	Section 1 Section 2 Section 3	230	248	308	138	138	15.07	100	Steel Tower	2	Kleeman Midway
8281	Rochelle-Whittier	Section 1 Section 2 Section 3	Section 1 Section 2 Section 3	246	273	336	138	138	0.12	100	Wood H-Frame	1	Dear Park Cooper
8368	Yankee-Manchester	Section 1 Section 2 Section 3	Section 1 Section 2 Section 3	463	518	518	138	138	9.10	100	Wood Pole	1	
8286	Rochelle-Terminal	Section 1 Section 2 Section 3	Section 1 Section 2 Section 3	302	336	336	138	138	1.19	50	Wood Pole	1	
8481	Eastwood-Ford	Section 1 Section 2 Section 3	Section 1 Section 2 Section 3	240	300	300	138	138	0.96	100	Steel Tower	2	
				240	300	300	138	138	4.24	100	Underground	1	
				240	300	300	138	138	9.64	100	Steel Tower	2	
				240	300	300	138	138	0.07	100	Wood Pole	1	
				240	300	300	138	138	1.20	50	Underground	1	
				240	300	300	138	138	0.55	100	Steel Tower	1	
				240	300	300	138	138	2.38	100	Underground	1	
				240	300	300	138	138	3.56	100	Steel Tower	2	
				240	300	300	138	138	1.25	100	Underground	1	
				240	300	300	138	138	1.32	100	Underground	1	
				240	300	300	138	138	4.97	100	Wood Pole	1	
				240	300	300	138	138	1.50	100	Wood Pole	1	

DUKE ENERGY OHIO  
4901:5-5-04(C) (1) (a)  
FORM FE-T7: CHARACTERISTICS OF EXISTING TRANSMISSION LINES  
WHOLLY OWNED TRANSMISSION LINES DESIGNED FOR 138 KV OPERATION

CIRCUIT NO. DEO-A	LINE NAME	ORIGIN	TERMINUS	SUMMER CAPABILITY (MVA) NORMAL RATING	WINTER CAPABILITY (MVA) NORMAL RATING	VOLTAGE (KV) OPER. LEVEL	R-O-W LENGTH (MILES)	WIDTH (FEET)	SUPPORTING STRUCTURES	NUMBER OF CIRCUITS	SUBSTATIONS ON THE LINE
8887	Hillcrest-Eastwood	Hillcrest	Eastwood	306	382	138	9.63	50	Wood pole	1	SCP Eastwood
9482	Remington-Beckjord	Remington	Beckjord	310	310	138	19.08	100	Steel Tower	2	Feldman, Wards Corner
9782	Willey-Fairfield	Willey	Fairfield	198	249	138	8.10	100	Steel Tower	2	
9784	Willey-Miami Fort	Willey	Miami Fort	170	227	138	14.95	100	Steel Tower	2	
9787	Willey-Terminal	Willey	Terminal	226	302	138	5.68	100	Wood H-Frame	1	Mapleknoll
	Section 1			226	302	138	11.71	100	Wood Pole	1	
	Section 2			226	302	138	0.50	100	Steel Tower	2	Mt. Healthy, Finneytown
13803	Hutchings-College Corner	Structure 1101	Trenton	170	227	138	4.91	100	Wood H-Frame	1	
	Section 1			170	227	138	24.06	100	Steel Tower	2	
	Section 2	Trenton	Tower 129								



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FORM ES-TV: CHARACTERISTICS OF EXISTING TRANSMISSION LINES  
WHOLLY OWNED TRANSMISSION LINES DESIGNED FOR 345 KV OPERATION

CIRCUIT NO. DSO-B	LINE NAME	ORIGIN	TERMINUS	SUMMER CAPABILITY (MVA) NORMAL RATING	EMERGENCY RATING	WINTER CAPABILITY (MVA) NORMAL RATING	EMERGENCY RATING	OPER. LEVEL	VOLTAGE (KV) DESIGN LEVEL	P-O-W LENGTH (MILES)	WIDTH (FEET)	SUPPORTING STRUCTURES	NUMBER OF CIRCUITS	SUBSTATIONS ON THE LINE
04	Miami Fort-Tanners Creek	Miami Fort	Ohio/Ky. St. Line	717	824	717	824	345	345	0.32	150	Steel Tower	2	
08	Port Union-Foster	Port Union	Foster	1195	1315	1195	1315	345	345	11.66	150	Steel Tower	2	
	Section 1			1195	1315	1195	1315	345	345	0.24	150	Steel Tower	1	
13	Terminal-Port Union	Terminal	Port Union	1195	1315	1195	1315	345	345	0.46	150	Steel Tower	1	
	Section 1			1195	1315	1195	1315	345	345	9.65	150	Steel Tower	2	
14	Miami Fort-Terminal	Terminal	Ohio/Ky. St. Line	1195	1315	1195	1315	345	345	14.30	150	Steel Tower	2	
	Section 1			1195	1315	1195	1315	345	345	0.32	150	Steel Tower	2	
15	Foster-Garver	Miami Fort	Ohio/Ky. St. Line	1195	1315	1195	1315	345	345	15.79	150	Steel Tower	2	
16	East Bard-Terminal	Foster	Garver	1195	1315	1195	1315	345	345	14.94	150	Steel Tower	2	
62	Wooddale-Todhunter	Ohio/Ky. St. Line	Terminal	1195	1315	1195	1315	345	345	1.69	150	Steel Tower	2	
82	Garver-Todhunter	Wooddale	Todhunter	1195	1315	1195	1315	345	345	1.79	150	Steel Tower	2	
1883	Beckford-Red Bank	Garver	Todhunter	1195	1315	1195	1315	345	345	0.89	150	Steel Tower	1	
	Section 1	Beckford	Red Bank	282	344	378	421	138	345	13.82	150	Steel Tower	2	Newtown
	Section 2			282	344	378	421	138	345	0.52	150	Steel Tower	1	
4693	Evendale-Port Union	Evendale	Port Union	344	423	463	518	138	345	5.48	150	Steel Tower	2	Kemper
	Section 1			344	423	463	518	138	345	0.21	150	Steel Tower	1	
4695	Evendale-Terminal	Evendale	Terminal	382	382	382	382	138	345	4.02	150	Steel Tower	2	
	Section 1			382	382	382	382	138	345	2.62	150	Steel Tower	2	
5381	Shaker Run-Rockies Express	Structure 69A	Rockies Express	478	478	478	478	138	345	10.29	150	Steel Tower	2	
5485	Foster-Shaker Run	Foster	Shaker Run	259	314	345	385	138	345	6.44	150	Steel Tower	2	
5689	Todhunter-Rockies Express	Todhunter	Structure 69B	478	478	478	478	138	345	5.72	150	Steel Tower	2	
7481	Red Bank-Terminal	Red Bank	Terminal	344	423	463	518	138	345		150	Stl Twr & Pole	2	Golf Manor

DUKE ENERGY OHIO  
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FORM FE-77: CHARACTERISTICS OF EXISTING TRANSMISSION LINES  
COMMONLY OWNED TRANSMISSION - DEO, AEP AND DEFL COMPANIES  
TENANTS IN COMMON WITH UNDIVIDED OWNERSHIP, TOTAL MILEAGE GIVEN

CIRCUIT NO. CDD-B	LINE NAME	ORIGIN	TERMINUS	SUMMER CAPABILITY (MVA) NORMAL EMERGENCY RATING	WINTER CAPABILITY (MVA) NORMAL EMERGENCY RATING	VOLTAGE (KV) OPER. LEVEL	R-O-W LENGTH (MILES)	WIDTH (FEET)	SUPPORTING STRUCTURES	NUMBER OF CIRCUITS	SUBSTATIONS ON THE LINE
01	Backjard-Pierce	Backjard	Pierce	500	500	345	0.32	150	Steel Tower	1	
02	Pierce-Foster	Pierce	Foster	1195	1315	345	23.38	150	Steel Tower	2	
03	Section 1			1195	1315	345	0.57	150	Steel Tower	1	
06	Sugarcreek-Greene	Sugarcreek	Greene	1195	1315	345	8.30	150	Steel Tower	1	
06	Greene-Beatty	Greene	Beatty	1195	1315	345	3.66	150	Steel Tower	2	
07	Section 1			1195	1315	345	45.34	150	Steel Tower	1	
07	Section 2			1195	1315	345	63.16	150	Steel Tower	2	
09	Marquis-Bixby	Marquis	Bixby	1195	1315	345	8.52	150	Steel Tower	1	
09	Section 1			1195	1315	345	80.38	150	Steel Tower	1	
09	Section 2			1195	1315	345	13.13	150	Steel Tower	1	
10	Stuart-Killen	Stuart	Killen	1195	1315	345	32.61	150	Steel Tower	1	
11	Stuart-Hillcrest	Stuart	Hillcrest	1255	1374	345	27.33	150	Steel Tower	2	
24	Stuart-Hillcrest	Stuart	Hillcrest	1257	1554	345	4.69	150	Steel Tower	1	
31	Foster-Sugarcreek	Foster	Sugarcreek	1042	1338	345	8.52	150	Steel Tower	2	
31	Beatty-Bixby	Beatty	Bixby	1042	1338	345	18.36	150	Wood H-Frame	1	
33	Section 1			1042	1338	345	66.07	150	Steel Tower	1	
33	Section 2			1042	1338	345	1.78	150	Wood Pole	1	
40	Kirk-Corridor	Kirk	Corridor	1195	1374	345	0.48	150	Wood H-Frame	1	
40	Conesville-Hyatt	Conesville	Hyatt	1195	1374	345	21.78	150	Steel Tower	1	
41	Section 1			1195	1374	345	3.68	150	Steel Tower	2	
41	Section 2			1042	1281	345	25.22	150	Steel Tower	1	
42	Spurlock-Maldahl Dam	Tower #36	Maldahl Dam	1195	1374	345	14.87	150	Steel Tower	2	
42	Atlanta-Beatty	Atlanta	Beatty	1195	1374	345	50.86	150	Wood H-Frame	1	
43	Section 1			1195	1374	345	10.03	150	Steel Tower	1	
43	Section 2			1195	1374	345	0.43	150	Steel Tower	1	
44	Conesville-Bixby	Conesville	Bixby	1195	1374	345	10.58	150	Steel Tower	1	
44	Section 1			1195	1374	345	35.88	150	Steel Tower	2	
44	Section 2			1195	1374	345	10.03	150	Steel Tower	1	
45	Zimmer-Red Bank	Zimmer	Port Union	1195	1315	345	5.75	150	Steel Pole	2	
45	Section 1			1195	1315	345	0.90	150	Steel Tower	2	
45	Section 2			1195	1315	345	14.87	150	Steel Tower	2	
46	Red Bank-Terminal	Red Bank	Terminal	1264	1538	345	4.20	150	Wood H-Frame	1	
46	Section 1			1195	1315	345	32.01	150	Steel Tower	1	
46	Section 2			1195	1315	345	65.00	150	Steel Tower	1	
47	Bixby-Kirk	Bixby	Kirk	1195	1315	345	26.36	150	Steel Tower	1	
47	Section 1			1195	1315	345	6.57	150	Steel Tower	1	
47	Section 2			1195	1315	345	0.78	150	Steel Tower	2	
49	Killen-Marquis	Killen	Marquis	1302	1673	345	7.38	150	Steel Tower	1	
52	Stuart-Atlanta	Stuart	Atlanta	1302	1673	345					
52	Hillcrest-Foster	Hillcrest	Foster	1195	1315	345					
69	Zimmer-Maldahl Dam	Zimmer	Maldahl Dam	1195	1315	345					
76	Section 1			1195	1315	345					
76	Section 2			1195	1315	345					
93	Spurlock-Stuart	Tower #37	Stuart	1195	1315	345					

DUKE ENERGY OHIO  
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FORM FE-T7: CHARACTERISTICS OF EXISTING TRANSMISSION LINES

COMMONLY OWNED TRANSMISSION - DEO AND DPEL COMPANIES  
TENANTS IN COMMON WITH UNDIVIDED OWNERSHIP, TOTAL MILEAGE GIVEN

CIRCUIT NO. CDD-B	LINE NAME	ORIGIN	TERMINUS	SUMMER CAPABILITY (MVA) NORMAL RATING	WINTER CAPABILITY (MVA) NORMAL RATING	EMERGENCY RATING	VOLTAGE (KV) OPER. LEVEL	DESIGN LEVEL	R-O-W LENGTH (MILES)	WIDTH (FEET)	SUPPORTING STRUCTURES	NUMBER OF CIRCUITS	SUBSTATIONS ON THE LINE
61	Woodsdale-Rodhunter	Woodsdale	Rodhunter	1195	1195	1315	345	345	4.68	150	Steel Tower	2	
91	Miami Fort-West Milton Section 1	Miami Fort	Tower No. 173	1195	1195	1315	345	345	33.25	150	Steel Tower	2	
	Section 2			1195	1195	1315	345	345	1.37	150	Steel Tower	1	
92	Miami Fort-Woodsdale Section 1	Miami Fort	Woodsdale	1195	1195	1315	345	345	33.25	150	Steel Tower	2	
	Section 2			1195	1195	1315	345	345	4.82	150	Steel Tower	1	
98	Foster-Bath	Foster	Bath	1195	1195	1315	345	345	40.28	150	Steel Tower	2	

DUKE ENERGY OHIO  
4901:5-5-04(C)(1)(b)  
FORM FE-T8: SUMMARY OF EXISTING SUBSTATIONS

SUBSTATION NAME	TYPE*	VOLTAGE(S) (KV)	LINE NAME	LINE NUMBER	EXISTING OR PROPOSED
AK Steel	T	138	Todhunter-AK Steel	5682	Existing
			Todhunter-AK Steel	5686	Existing
			Dicks Creek-AK Steel	1985	Proposed
Ashland	T&D	138	Ashland-Whittier	1180	Existing
			Central-Ashland	3985	Existing
			Red Bank-Ashland	7484	Existing
Beckett	D	138	Port Union-Todhunter	3888	Existing
Beckjord	T	345 & 138	Oakley-Beckjord	886	Existing
			Beckjord-Silver Grove	1880	Existing
			Beckjord-Red Bank	1883	Existing
			Beckjord-Tabasco	1885	Existing
			Beckjord-Pierce	1887	Existing
			Beckjord-Pierce	1889	Existing
			Remington-Beckjord	9482	Existing
			Beckjord-Wilder	1881	Existing
			Wilder-Beckjord	5988	Existing
			Summerside-Beckjord	6984	Existing
			Beckjord-Pierce	4501	Existing
Bethany	D	138	Foster-Shaker Run	5485	Existing
BREC Huston	T	138	Trenton-College Corner	3281	Existing
Brighton	D	69	Mitchell-Brighton	1263	Existing
Brown	D	138	Brown-Stuart	5886	Existing
			Brown-Eastwood	5884	Existing
Carlisle	D	138	Shaker Run-Rockies Express	5381	Existing
Cedarville	D	138	Foster-Cedarville	5489	Existing
			Cedarville-Ford	2986	Existing
Central	D	138	Mitchell-Central	1288	Existing
			Central-Oakley	3981	Existing
			Central-Ashland	3985	Existing
Charles	D	138	Charles-West End	1385	Existing
			Charles-West End	1389	Existing
			Rochelle-Charles	8283	Existing
Cinti. M.S.D.	T	138	Mitchell-West End	1286	Existing
City of Hamilton	T	138	Port Union-City of Ham.	3889	Existing
			Fairfield-City of Hamilton	5781	Existing
Clermont	D	138	Summerside-Beckjord	6984	Existing
Clinton County	D	138	Warren-Clinton Co.	2381	Existing
Collinsville	D	138	Trenton-College Corner	3281	Existing
Cooper	D	138	Red Bank-Terminal	7481	Existing
Cornell	D	138	Red Bank-Terminal	7481	Existing
			Port Union-Summerside	3881	Existing
Cummins ville	D	138	Mitchell-West End	1286	Existing
Deer Park	D	138	Red Bank-Terminal	7481	Existing
Dicks Creek	T	138	Todhunter-AK Steel	5686	Existing
			Todhunter-Dicks Creek	5682	Proposed
			Dicks Creek-AK Steel	1985	Proposed
Dimmick	D	138	Foster-Port Union	5483	Existing

\* DISTRIBUTION(D) TRANSMISSION (T)

DUKE ENERGY OHIO  
4901:5-5-04(C)(1)(b)  
FORM FE-T8: SUMMARY OF EXISTING SUBSTATIONS

SUBSTATION NAME	TYPE*	VOLTAGE(S) (KV)	LINE NAME	LINE NUMBER	EXISTING OR PROPOSED
Eastwood	D	138	Brown-Eastwood	5884	Existing
			Eastwood-Ford	8481	Existing
			Hillcrest-Eastwood	8887	Existing
Ebenezer	D	138	Terminal-Ebenezer	1783	Existing
			Ebenezer-Miami Fort	6885	Existing
Elmwood	D	138	Elmwood-Lateral	684	Existing
			Elmwood-Terminal	689	Existing
Enyart	D	138	Foster-Remington	5487	Existing
Evendale	D	138	Evendale-Port Union	4683	Existing
			Evendale-Terminal	4685	Existing
			Evendale-General Electric	GE4	Existing
Fairfield	D	138	Fairfield-Morgan	5783	Existing
			Port Union-Fairfield	3885	Existing
			Fairfield-City of Hamilton	5781	Existing
			Port Union-Fairfield	3886	Existing
			Wiley-Fairfield	9782	Existing
Feldman	D	138	Remington-Beckjord	9482	Existing
Finneytown	D	138	Wiley-Terminal	9787	Existing
Ford	D	138	Foster-Ford	5489	Existing
			Brown-Ford	5884	Existing
Foster	T	345 & 138	Foster-Port Union	5483	Existing
			Foster-Warren	5484	Existing
			Foster-Shaker Run	5485	Existing
			Foster-Remington	5487	Existing
			Foster-Cedarville	5489	Existing
			Pierce-Foster	4502	Existing
			Hillcrest-Foster	34569	Existing
			Port Union-Foster	4508	Existing
			Foster-Sugarcreek	4524	Existing
			Foster-Garver	4515	Existing
Garver	T	345	Foster-Garver	4515	Existing
			Todhunter-Garver	34582	Existing
			Garver-Rockies Express	7581	Proposed
			Garver-Todhunter	5689	Proposed
			Garver-Carlisle	7582	Proposed
			Garver-AK Steel	7583	Proposed
Glenview	D	138	Terminal-Glenview	1782	Existing
			Miami Fort-Glenview	7284	Existing
Golf Manor	D	138	Red Bank-Terminal	7481	Existing
Hall	D	138	Port Union-Fairfield	3885	Existing
Henkel Corp.	D	138	Mitchell-Terminal	1284	Existing
Hillcrest	T & D	345 & 138	Stuart-Hillcrest	4511	Existing
			Foster-Hillcrest	34569	Existing
			Hillcrest-Eastwood	8887	Existing
Kemper	D	138	Evendale-Port Union	4683	Existing
Kleeman	D	138	Glenview-Miami Fort	7284	Existing
Lateral	D	138	Elmwood-Lateral	684	Existing
			Lateral-Red Bank	4187	Existing

\* DISTRIBUTION(D) TRANSMISSION (T)

DUKE ENERGY OHIO  
4901:5-5-04(C)(1)(b)  
FORM FE-T8: SUMMARY OF EXISTING SUBSTATIONS

SUBSTATION NAME	TYPE*	VOLTAGE(S) (KV)	LINE NAME	LINE NUMBER	EXISTING OR PROPOSED
Maineville	D	138	Foster-Warren	5484	Existing
Mapleknoll	D	138	Willey-Terminal	9787	Existing
Meldahl Dam	T	345	Zimmer-Meldahl Dam	34576	Existing
			Spurlock- Meldahl Dam	4541	Existing
Miami Fort	T	345 & 138	Miami Fort-Greendale	1681	Existing
			Miami Fort-Clifty Creek	1682	Existing
			Miami Fort-Hebron	1683	Existing
			Miami Fort-MFGT	1688	Existing
			Miami Fort-Morgan	1689	Existing
			Ebenezer-Miami Fort	6885	Existing
			Glenview-Miami Fort	7284	Existing
			Willey-Miami Fort	9784	Existing
			Miami Fort-Miami	4591	Existing
			Miami Fort-Woodsdale	4592	Existing
			Miami Fort-Tanners Creek	4504	Existing
			Miami Fort-Terminal	4514	Existing
Miami Fort GT	T	138	Miami Fort-MFGT	1688	Existing
			MFGT-Hebron	2862	Existing
			MFGT-INEOS	2865	Existing
			MFGT-Ebenezer	6864	Existing
Midway	D	138	Terminal-Ebenezer	1783	Existing
			Miami Fort-Glenview	7284	Existing
Millikin	D	138	Port Union-Todhunter	3887	Existing
Mitchell	D	138	Mitchell-Brighton	1263	Existing
			Mitchell-Terminal	1284	Existing
			Mitchell-West End	1286	Existing
			Mitchell-Central	1288	Existing
Montgomery	D	138	Foster-Remington	5487	Existing
			Foster-Port Union	5483	Existing
			Montgomery-Port Union	3881	Proposed
			Montgomery-Socialville	TBD	Proposed
			Montgomery-Summerside	TBD	Proposed
Morgan	D	138	Miami Fort-Morgan	1689	Existing
			Fairfield-Morgan	5783	Existing
Mt. Healthy	D	138	Willey-Terminal	9787	Existing
Mulhauser	D	138	Port Union-Willey	3886	Existing
Newtown	D	138	Beckjord-Red Bank	1883	Existing
Nickel	D	138	Warren-Todhunter	5680	Existing
Oakley	D	138	Oakley-Red Bank	885	Existing
			Oakley-Beckjord	886	Existing
			Central-Oakley	3981	Existing
OBannonville	D	138	Foster-Cedarville	5489	Existing
Park	D	138	Foster-Shaker Run	5485	Existing

\* DISTRIBUTION(D) TRANSMISSION (T)

DUKE ENERGY OHIO  
4901:5-5-04(C)(1)(b)  
FORM FE-T8: SUMMARY OF EXISTING SUBSTATIONS

SUBSTATION NAME	TYPE*	VOLTAGE(S) (KV)	LINE NAME	LINE NUMBER	EXISTING OR PROPOSED
Port Union	T & D	345 & 138	Port Union-Summerside	3881	Existing
			Foster-Port Union	5483	Existing
			Port Union-Fairfield	3885	Existing
			Port Union-Fairfield	3886	Existing
			Port Union-Todhunter	3887	Existing
			Port Union-Todhunter	3888	Existing
			Port Union-City of Hamilton	3889	Existing
			Evendale-Port Union	4683	Existing
			Zimmer-Port Union	4544	Existing
			Port Union-Foster	4508	Existing
			Terminal-Port Union	4513	Existing
Provident	D	138	Port Union-Fairfield	3885	Existing
Queensgate	D	138	Mitchell-West End	1286	Existing
Red Bank	T	345 & 138	Red Bank-Terminal	7481	Existing
			Lateral-Red Bank	4187	Existing
			Beckjord-Red Bank	1883	Existing
			Red Bank-Ashland	7484	Existing
			Oakley-Red Bank	885	Existing
			Red Bank-Tobasco	7489	Existing
			Red Bank-Terminal	4546	Existing
			Zimmer-Red Bank	4545	Existing
Remington	D	138	Remington-Beckjord	9482	Existing
			Foster-Remington	5484	Existing
Rochelle	D	138	Ridgeway-Whittier	8281	Existing
			Rochelle-Charles	8283	Existing
			Rochelle-Terminal	8286	Existing
Rockies Express	T	138	Shaker Run-Rockies Express	5381	Existing
			Todhunter-Rockies Express	5689	Existing
			Garver-Rockies Express	7581	Proposed
Seward	D	138	Port Union-Hamilton	3889	Existing
Shaker Run	D	138	Foster-Shaker Run	5485	Existing
			Shaker Run-Rockies Express	5381	Existing
Simpson	D	138	Foster-Port Union	5483	Existing
Socialville	D	138	Foster-Port Union	5483	Existing
			Montgomery-Socialville	TBD	Proposed
SCP Eastwood	T	138	Hillcrest-Eastwood	8887	Existing
Summerside	D	138	Beckjord-Oakley-Summerside	886	Existing
			Port Union-Summerside	3881	Existing
			Summerside-Beckjord	6984	Existing
Terminal	T & D	345 & 138	Elmwood-Terminal	689	Existing
			Mitchell-Terminal	1284	Existing
			Terminal-Allen	1762	Existing
			Terminal-Glenview	1782	Existing
			Terminal-Ebenezer	1783	Existing
			Evendale-Terminal	4685	Existing
			Red Bank-Terminal	7481	Existing
			Rochelle-Terminal	8286	Existing
			Wiley-Terminal	9787	Existing

\* DISTRIBUTION(D) TRANSMISSION (T)

DUKE ENERGY OHIO  
4901:5-5-04(C)(1)(b)  
FORM FE-T8: SUMMARY OF EXISTING SUBSTATIONS

SUBSTATION NAME	TYPE*	VOLTAGE(S) (KV)	LINE NAME	LINE NUMBER	EXISTING OR PROPOSED
Terminal (continued)	T & D	345 & 138	Terminal-Port Union	4513	Existing
			Miami Fort-Terminal	4514	Existing
			East Bend-Terminal	4516	Existing
			Red Bank-Terminal	4546	Existing
Tobasco	D	138	Beckjord-Tobasco	1885	Existing
			Red Bank-Tobasco	7489	Existing
Todhunter	T & D	345 & 138	Trenton-Todhunter	3284	Existing
			Port Union-Todhunter	3887	Existing
			Port Union-Todhunter	3888	Existing
			Todhunter-Monroe	5667	Existing
			Warren-Todhunter	5680	Existing
			Todhunter-AK Steel	5682	Existing
			Todhunter-Dicks Creek	5682	Proposed
			Todhunter-AK Steel	5686	Existing
			Todhunter-Rockies Express	5689	Existing
			Todhunter-Garver	5689	Proposed
			Woodsdale-Todhunter	4561	Existing
			Woodsdale-Todhunter	4562	Existing
			Garver-Todhunter	34582	Existing
			Trenton-College Corner	3281	Existing
			Trenton-Todhunter	3284	Existing
			Trenton-Air Products	3263	Existing
Trenton	D	138	Trenton-Air Products	9064	Proposed
			Foster-Port Union	5483	Existing
			Shaker Run-Rockies Express	5381	Existing
			Garver-Carlisle	7582	Proposed
Wards Corner	D	138	Remington-Beckjord	9482	Existing
			Summerside-Port Union	3881	Proposed
Warren	T & D	138	Foster-Warren	5484	Existing
			Warren-Todhunter	5680	Existing
West End	D	138	Warren-Clinton County	2381	Existing
			Mitchell-West End	1286	Existing
			Charles-West End	1385	Existing
			Charles-West End	1389	Existing
			Crescent-West End	1587	Existing
			Wilder-West End	5985	Existing
			South Fairmount-West End	TBD	Proposed
			Ashland-Whittier	1180	Existing
Whittier	D	138	Rochelle-Whittier	8281	Existing
			Willey-Fairfield	9782	Existing
Willey	D	138	Willey-Miami Fort	9784	Existing
			Willey-Terminal	9787	Existing
			Woodsdale-Todhunter	4561	Existing
Woodsdale	T	345	Woodsdale-Todhunter	4562	Existing
			Miami Fort-Woodsdale	4592	Existing
Zimmer	T	345	Zimmer-Meldahl Dam	34576	Existing
			Zimmer-Port Union	4544	Existing
			Zimmer-Red Bank	4545	Existing

\* DISTRIBUTION(D) TRANSMISSION (T)



DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

1. Line Name: Oakley-Beckjord  
Line Number: DEO-A886
2. Point of Origin: Tap Feeder 886 (at or near tower 192)  
Terminus: Oakley Substation
3. Right-of-Way, Length: approximately 800 feet  
Average Width: 50 feet  
Number of Circuits: 1 transmission line above 125 kV
4. Voltage: 138 kV design and operate voltage
5. Application for Certificate: 6/2018
6. Construction to 9/2018  
Commence:  
Commercial Operation: 10/2018
7. Capital Investment: \$300,000
8. Substations: Columbia Substation, 138 kV
9. Supporting Structures: steel poles
10. Participation with other Utilities: DEO – 100%
11. Purpose of the planned transmission line: re-route Feeder 886 at Oakley Substation to accommodate substation changes.
12. Consequences of Line Construction deferment or Termination: inability to modify Oakley Substation to enhance area transmission and distribution system reliability.
13. Miscellaneous: area to be served is primarily central Hamilton County.

DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

- |     |                              |  |
|-----|------------------------------|--|
| 1.  | Line Name:                   | Foster-Warren  |
|     | Line Number:                 | DEO-A5484  |
| 2.  | Point of Origin:             | Tap Feeder 5484 (Foster side)                          |
|     | Terminus:                    | Columbia Substation (proposed)                         |
| 3.  | Right-of-Way, Length:        | approximately 175 feet                                 |
|     | Average Width:               | 50 feet  |
|     | Number of Circuits:          | 1 transmission line above 125 kV                       |
| 4.  | Voltage:                     | 138 kV design and operate voltage                      |
| 5.  | Application for Certificate: | 6/2018   |
| 6.  | Construction to              | 9/2018   |
|     | Commence:                    |  |
|     | Commercial Operation:        | 12/2018  |
| 7.  | Capital Investment:          | \$300,000  |
| 8.  | Substations:                 | Columbia Substation, 138 kV                            |
| 9.  | Supporting Structures:       | wood and/or steel poles                                |
| 10. | Participation with other     | DEO – 100%   |
|     | Utilities:                   |  |
| 11. | Purpose of the planned       | supply new substation to provide 12.47 kV reliability, |
|     | transmission line:           | distribution system capacity.                          |
| 12. | Consequences of Line         | inability to supply 12.47 kV distribution load.        |
|     | Construction deferment or    |  |
|     | Termination:                 |  |
| 13. | Miscellaneous:               | area to be served is primarily west-central Warren     |
|     |                              | County.  |

**DUKE ENERGY OHIO**

**4901:5-5-04(D)(1)**

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

1. **Line Name:** Foster-Warren  
**Line Number:** DEO-A5484
2. **Point of Origin:** Tap Feeder 5484 (Warren side)  
**Terminus:** Columbia Substation (proposed)
3. **Right-of-Way, Length:** approximately 175 feet  
**Average Width:** 50 feet  
**Number of Circuits:** 1 transmission line above 125 kV
4. **Voltage:** 138 kV design and operate voltage
5. **Application for Certificate:** 6/2018
6. **Construction to Commence:** 9/2018  
**Commercial Operation:** 12/2018
7. **Capital Investment:** \$300,000
8. **Substations:** Columbia Substation, 138 kV
9. **Supporting Structures:** wood and/or steel poles
10. **Participation with other Utilities:** DEO – 100%
11. **Purpose of the planned transmission line:** supply new substation to provide 12.47 kV reliability, distribution system capacity.
12. **Consequences of Line Construction deferment or Termination:** inability to supply 12.47 kV distribution load.
13. **Miscellaneous:** area to be served is primarily west-central Warren County.

DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

- |     |   |  |
|-----|---|--|
| 1.  | Line Name:<br>Line Number:  | Miami Fort-Clifty Creek<br>DEO-A1682   |
| 2.  | Point of Origin:<br>Terminus:                                     | Miami Fort Substation<br>Ohio/Kentucky State Line  |
| 3.  | Right-of-Way, Length:<br>Average Width:<br>Number of Circuits:    | approximately 1800 feet<br>100 feet<br>1 transmission line above 125 kV  |
| 4.  | Voltage:  | 138 kV design and operate voltage  |
| 5.  | Application for Certificate:                                      | 1/2019   |
| 6.  | Construction to<br>Commence:<br>Commercial Operation:             | 9/2019<br><br>12/2019  |
| 7.  | Capital Investment:   | \$5,000,000  |
| 8.  | Substations:  | none   |
| 9.  | Supporting Structures:  | steel poles  |
| 10. | Participation with other<br>Utilities:                            | DEO – 100%   |
| 11. | Purpose of the planned<br>transmission line:                      | permanent re-route of existing line to allow<br>expansion of Miami Fort 345 kV switchyard, replace<br>deteriorated structures. |
| 12. | Consequences of Line<br>Construction deferment or<br>Termination: | inability to expand 345 kV switchyard, deteriorated<br>structures will remain in service.                                      |
| 13. | Miscellaneous:  | area to be served is primarily south-west Hamilton<br>County.  |

DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

1. Line Name: West End-Mitchell  
Line Number: DEO-A1286
2. Point of Origin: Tap Feeder 1286 (West End side)  
Terminus: South Fairmount Substation (proposed)
3. Right-of-Way, Length: approximately 175 feet  
Average Width: 50 feet  
Number of Circuits: 1 transmission line above 125 kV
4. Voltage: 138 kV design and operate voltage
5. Application for Certificate: 9/2018
6. Construction to 1/2019  
Commence:  
Commercial Operation: 6/2019
7. Capital Investment: \$300,000
8. Substations: South Fairmount Substation, 138 kV
9. Supporting Structures: steel poles
10. Participation with other Utilities: DEO – 100%
11. Purpose of the planned transmission line: supply new substation to provide 12.47 kV reliability, distribution system capacity.
12. Consequences of Line Construction deferment or Termination: inability to supply 12.47 kV distribution load.
13. Miscellaneous: area to be served is primarily south-central Hamilton County.

DUKE ENERGY OHIO

4901:5-5-04(D)(1)

FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

1. Line Name: West End-Mitchell  
Line Number: DEO-A1286
2. Point of Origin: Tap Feeder 1286 (Mitchell side)  
Terminus: South Fairmount Substation (proposed)
3. Right-of-Way, Length: approximately 175 feet  
Average Width: 50 feet  
Number of Circuits: 1 transmission line above 125 kV
4. Voltage: 138 kV design and operate voltage
5. Application for Certificate: 9/2018
6. Construction to 1/2019  
Commence:  
Commercial Operation: 6/2019
7. Capital Investment: \$300,000
8. Substations: South Fairmount Substation, 138 kV
9. Supporting Structures: steel poles
10. Participation with other Utilities: DEO – 100%
11. Purpose of the planned transmission line: supply new substation to provide 12.47 kV reliability, distribution system capacity.
12. Consequences of Line Construction deferment or Termination: inability to supply 12.47 kV distribution load.
13. Miscellaneous: area to be served is primarily south-central Hamilton County.

DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

- |     |   |  |
|-----|---|--|
| 1.  | Line Name:<br>Line Number:  | Rockies Express-Garver<br>DEO-A5689  |
| 2.  | Point of Origin:<br>Terminus:                                     | Tap Feeder 5689 (Rockies Express side)<br>Garver Substation  |
| 3.  | Right-of-Way, Length:<br>Average Width:<br>Number of Circuits:    | approximately 400 feet<br>100 feet<br>1 transmission line above 125 kV   |
| 4.  | Voltage:  | 138 kV design and operate voltage  |
| 5.  | Application for Certificate:                                      | 1/2019   |
| 6.  | Construction to<br>Commence:<br>Commercial Operation:             | 9/2019<br><br>12/2019  |
| 7.  | Capital Investment:   | \$500,000  |
| 8.  | Substations:  | Garver Substation, 345 kV, future 138 kV   |
| 9.  | Supporting Structures:  | steel poles  |
| 10. | Participation with other<br>Utilities:                            | DEO – 100%   |
| 11. | Purpose of the planned<br>transmission line:                      | Loop existing Feeder 5689 through Garver substation<br>to reinforce the 345 kV and 138 kV transmission<br>systems. |
| 12. | Consequences of Line<br>Construction deferment or<br>Termination: | overloads of various 345 kV and/or 138 kV system<br>components for various contingencies                           |
| 13. | Miscellaneous:  | substation located in east-central Butler County.  |

DUKE ENERGY OHIO

4901:5-5-04(D)(1)

FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

1. Line Name:  
Line Number: Todhunter-Garver  
DEO-A5689
2. Point of Origin:  
Terminus: Tap Feeder 5689 (Todhunter side)  
Todhunter Substation
3. Right-of-Way, Length:  
Average Width:  
Number of Circuits: approximately 400 feet  
100 feet  
1 transmission line above 125 kV
4. Voltage: 138 kV design and operate voltage
5. Application for Certificate: 1/2019
6. Construction to  
Commence:  
Commercial Operation: 9/2019  
12/2019
7. Capital Investment: \$500,000
8. Substations: Garver Substation, 345 kV, future 138 kV
9. Supporting Structures: steel poles
10. Participation with other  
Utilities: DEO – 100%
11. Purpose of the planned  
transmission line: Loop existing Feeder 5689 through Garver substation  
to reinforce the 345 kV and 138 kV transmission  
systems.
12. Consequences of Line  
Construction deferment or  
Termination: overloads of various 345 kV and/or 138 kV system  
components for various contingencies
13. Miscellaneous: substation located in east-central Butler County.



DUKE ENERGY OHIO  
4901:5-5-04(D)(1)

FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

1. Line Name: Carlisle-Garver  
Line Number: DEO-A5689
2. Point of Origin: Feeder 5689 (at Pole 201)  
Terminus: Garver Substation
3. Right-of-Way, Length: approximately 400 feet  
Average Width: 100 feet  
Number of Circuits: 1 transmission line above 125 kV
4. Voltage: 138 kV design and operate voltage
5. Application for Certificate: 1/2019
6. Construction to Commence: 9/2019  
Commercial Operation: 12/2019
7. Capital Investment: \$250,000
8. Substations: Garver Substation, 345 kV, future 138 kV
9. Supporting Structures: steel poles
10. Participation with other Utilities: DEO – 100%
11. Purpose of the planned transmission line: Extend Carlisle tap portion of existing Feeder 5689 to Garver substation to reinforce the 345 kV and 138 kV transmission systems.
12. Consequences of Line Construction deferment or Termination: overloads of various 345 kV and/or 138 kV system components for various contingencies
13. Miscellaneous: substation located in east-central Butler County.

DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

- |     |   |  |
|-----|---|--|
| 1.  | Line Name:<br>Line Number:  | Garver-AK Steel Station 606<br>DEO-A7583   |
| 2.  | Point of Origin:<br>Terminus:                                     | Garver Substation<br>AK Steel Station 606  |
| 3.  | Right-of-Way, Length:<br>Average Width:<br>Number of Circuits:    | approximately 1.15 miles<br>100 feet<br>1 transmission line above 125 kV   |
| 4.  | Voltage:  | 138 kV design and operate voltage  |
| 5.  | Application for Certificate:                                      | 1/2019   |
| 6.  | Construction to<br>Commence:<br>Commercial Operation:             | 6/2019<br><br>12/2019  |
| 7.  | Capital Investment:   | \$2,500,000  |
| 8.  | Substations:  | Garver Substation, 345 kV, future 138 kV   |
| 9.  | Supporting Structures:  | steel poles  |
| 10. | Participation with other<br>Utilities:                            | DEO – 100%   |
| 11. | Purpose of the planned<br>transmission line:                      | Provide 3 <sup>rd</sup> 138 kV source to customer to enhance<br>reliability, facilitate operation and maintenance on<br>existing customer feeds, reduce risk of catastrophic<br>outages. |
| 12. | Consequences of Line<br>Construction deferment or<br>Termination: | extreme risk to customer during routine work and<br>planned system upgrades.   |
| 13. | Miscellaneous:  | substation located in east-central Butler County   |

DUKE ENERGY OHIO

4901:5-5-04(D)(1)

FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

1. Line Name: Miami Fort-Tanners Creek  
Line Number: DEO-B4504
2. Point of Origin: Miami Fort Substation  
Terminus: Ohio/Kentucky State Line
3. Right-of-Way, Length: approximately 1800 feet  
Average Width: 150 feet  
Number of Circuits: 1 transmission line above 125 kV
4. Voltage: 345 kV design and operate voltage
5. Application for Certificate: 9/2020
6. Construction to 1/2021  
Commence:  
Commercial Operation: 6/2021
7. Capital Investment: \$10,000,000
8. Substations: none
9. Supporting Structures: steel poles
10. Participation with other Utilities: DEO – 100%
11. Purpose of the planned transmission line: increase capacity of the existing Miami Fort to Tanners Creek 345 kV Feeder DEO-B4504.
12. Consequences of Line Construction deferment or Termination: overload of existing conductor during various outage conditions.
13. Miscellaneous: area served is primarily southeast Ohio

**DUKE ENERGY OHIO**

4901:5-5-04(D)(1)

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

1. **Line Name:** Port Union-Summerside  
**Line Number:** DEO-A3881
2. **Point of Origin:** Tap Feeder 3881 (Port Union side)  
**Terminus:** Wards Corner Substation
3. **Right-of-Way, Length:** approximately 100 feet  
**Average Width:** 50 feet  
**Number of Circuits:** 1 transmission line above 125 kV
4. **Voltage:** 138 kV design and operate voltage
5. **Application for Certificate:** 3/2019
6. **Construction to Commence:** 9/2019  
**Commercial Operation:** 12/2019
7. **Capital Investment:** \$500,000
8. **Substations:** Wards Corner Substation, 138 kV
9. **Supporting Structures:** steel poles
10. **Participation with other Utilities:** DEO – 100%
11. **Purpose of the planned transmission line:** transfer supply to Wards Corner Substation from line DEO-A9482 to line DEO-A3881.
12. **Consequences of Line Construction deferment or Termination:** overload of line DEO-A9482 for various outage contingencies.
13. **Miscellaneous:** area to be served is primarily north-east Hamilton County and north-west Clermont County

DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

1. Line Name: Port Union-Summerside  
Line Number: DEO-A3881
2. Point of Origin: Tap Feeder 3881 (Summerside side)  
Terminus: Wards Corner Substation
3. Right-of-Way, Length: approximately 100 feet  
Average Width: 50 feet  
Number of Circuits: 1 transmission line above 125 kV
4. Voltage: 138 kV design and operate voltage
5. Application for Certificate: 3/2019
6. Construction to Commence: 9/2019  
Commercial Operation: 12/2019
7. Capital Investment: \$500,000
8. Substations: Wards Corner Substation, 138 kV
9. Supporting Structures: steel poles
10. Participation with other Utilities: DEO – 100%
11. Purpose of the planned transmission line: transfer supply to Wards Corner Substation from line DEO-A9482 to line DEO-A3881.
12. Consequences of Line Construction deferment or Termination: overload of line DEO-A9482 for various outage contingencies.
13. Miscellaneous: area to be served is primarily north-east Hamilton County and north-west Clermont County

DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

- |     |   |   |
|-----|---|---|
| 1.  | Line Name:<br>Line Number:  | Fairfield-Morgan<br>DEO-A5783   |
| 2.  | Point of Origin:<br>Terminus:                                     | Tap Feeder 5783<br>Morgan Substation  |
| 3.  | Right-of-Way, Length:<br>Average Width:<br>Number of Circuits:    | approximately 1.0 mile<br>100 feet<br>1 transmission line above 125 kV                                      |
| 4.  | Voltage:  | 138 kV design and operate voltage   |
| 5.  | Application for Certificate:                                      | 9/2018  |
| 6.  | Construction to<br>Commence:<br>Commercial Operation:             | 1/2019<br><br>6/2019  |
| 7.  | Capital Investment:   | \$2,500,000   |
| 8.  | Substations:  | none  |
| 9.  | Supporting Structures:  | steel poles   |
| 10. | Participation with other<br>Utilities:                            | DEO – 100%  |
| 11. | Purpose of the planned<br>transmission line:                      | re-route line DEO-A5783 out of Morgan Substation<br>to eliminate common structures with line DEO-<br>A1689. |
| 12. | Consequences of Line<br>Construction deferment or<br>Termination: | possible loss of both circuits to Morgan Substation<br>for tower contingencies.                             |
| 13. | Miscellaneous:  | area to be served is primarily western Hamilton<br>County   |

DUKE ENERGY OHIO

4901:5-5-04(D)(1)

FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

1. Line Name: Pierce-Beckjord  
Line Number: DEO-A1887
2. Point of Origin: Tap Feeder 1887  
Terminus: Beckjord Substation
3. Right-of-Way, Length: approximately 350 feet  
Average Width: 100 feet  
Number of Circuits: 1 transmission line above 125 kV
4. Voltage: 138 kV design and operate voltage
5. Application for Certificate: 6/2019
6. Construction to Commence: 9/2019  
Commercial Operation: 12/2019
7. Capital Investment: \$250,000
8. Substations: none
9. Supporting Structures: steel poles
10. Participation with other Utilities: DEO – 100%
11. Purpose of the planned transmission line: re-route line DEO-A1887 to new termination point in Beckjord Substation to eliminate common structure with line DEO-A1889 and enhance operational flexibility and reliability.
12. Consequences of Line Construction deferment or Termination: possible loss of both 1887 and 1889 circuits from Pierce to Beckjord Substation, inability to reconfigure Beckjord 138 kV bus system for operational contingencies.
13. Miscellaneous: area to be served is primarily western Southeast Clermont County

DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

- |     |   |   |
|-----|---|---|
| 1.  | Line Name:<br>Line Number:  | Todhunter-AK Steel<br>DEO-A5686   |
| 2.  | Point of Origin:<br>Terminus:                                     | Dicks Creek Substation<br>Tower no. 54A   |
| 3.  | Right-of-Way, Length:<br>Average Width:<br>Number of Circuits:    | approximately 0.33 mile<br>150 feet<br>1 transmission line above 125 kV                                   |
| 4.  | Voltage:  | 138 kV design and operate voltage   |
| 5.  | Application for Certificate:                                      | 9/2019  |
| 6.  | Construction to<br>Commence:<br>Commercial Operation:             | 1/2020<br><br>6/2020  |
| 7.  | Capital Investment:   | \$250,000   |
| 8.  | Substations:  | none  |
| 9.  | Supporting Structures:  | steel towers  |
| 10. | Participation with other<br>Utilities:                            | DEO – 100%  |
| 11. | Purpose of the planned<br>transmission line:                      | increase capacity of the existing Tower54A to Dicks<br>Creek portion of DEO-A5686.                        |
| 12. | Consequences of Line<br>Construction deferment or<br>Termination: | overload of existing conductor during various outage<br>conditions.                                       |
| 13. | Miscellaneous:  | New conductor to be installed on existing towers.<br>Area to be served is primarily western Butler County |



DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

- |     |   |   |
|-----|---|---|
| 1.  | Line Name:<br>Line Number:  | Todhunter-AK Steel<br>DEO-A1985 (proposed)  |
| 2.  | Point of Origin:<br>Terminus:                                     | Dicks Creek Substation<br>Tower no. 54A   |
| 3.  | Right-of-Way, Length:<br>Average Width:<br>Number of Circuits:    | approximately 0.33 mile<br>150 feet<br>1 transmission line above 125 kV   |
| 4.  | Voltage:  | 138 kV design and operate voltage   |
| 5.  | Application for Certificate:                                      | 9/2019  |
| 6.  | Construction to<br>Commence:<br>Commercial Operation:             | 1/2020<br><br>6/2020  |
| 7.  | Capital Investment:   | \$250,000   |
| 8.  | Substations:  | none  |
| 9.  | Supporting Structures:  | steel towers  |
| 10. | Participation with other<br>Utilities:                            | DEO – 100%  |
| 11. | Purpose of the planned<br>transmission line:                      | Allow loop feed of Dicks Creek Substation from<br>DEO-A5682 and DEO-A1985 (proposed, existing<br>section of DEO-A5682 north of Dicks Dicks Creek<br>will become DEO-A1985). |
| 12. | Consequences of Line<br>Construction deferment or<br>Termination: | Dicks Creek Generating Station will continue to be<br>supplied via a radial tap.  |
| 13. | Miscellaneous:  | New conductor to be installed on existing towers.<br>Area to be served is primarily western Butler County   |

DUKE ENERGY OHIO

4901:5-5-04(D)(1)

FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

1. Line Name: Port Union-Summerside  
Line Number: DEO-A3881
2. Point of Origin: Tap Feeder 5783 (Port Union side)  
Terminus: Montgomery Substation
3. Right-of-Way, Length: approximately 200 feet  
Average Width: 100 feet  
Number of Circuits: 1 transmission line above 125 kV
4. Voltage: 138 kV design and operate voltage
5. Application for Certificate: 9/2019
6. Construction to Commence: 3/2020  
Commercial Operation: 6/2020
7. Capital Investment: \$500,000
8. Substations: none
9. Supporting Structures: steel poles
10. Participation with other Utilities: DEO – 100%
11. Purpose of the planned transmission line: Loop Feeder 3881 through Montgomery Substation to eliminate overload and/or low voltage conditions for various contingencies
12. Consequences of Line Construction deferment or Termination: overload and/or low voltage conditions continue to result for various contingencies.
13. Miscellaneous: Area to be served is primarily southwestern Warren County

DUKE ENERGY OHIO

4901:5-5-04(D)(1)

FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

1. Line Name: Port Union-Summerside  
Line Number: DEO-A3881
2. Point of Origin: Tap Feeder 5783 (Summerside side)  
Terminus: Montgomery Substation
3. Right-of-Way, Length: approximately 200 feet  
Average Width: 100 feet  
Number of Circuits: 1 transmission line above 125 kV
4. Voltage: 138 kV design and operate voltage
5. Application for Certificate: 9/2019
6. Construction to Commence: 3/2020  
Commercial Operation: 6/2020
7. Capital Investment: \$500,000
8. Substations: none
9. Supporting Structures: steel poles
10. Participation with other Utilities: DEO – 100%
11. Purpose of the planned transmission line: Loop Feeder 3881 through Montgomery Substation to eliminate overload and/or low voltage conditions for various contingencies.
12. Consequences of Line Construction deferment or Termination: overload and/or low voltage conditions continue to result for various contingencies.
13. Miscellaneous: Area to be served is primarily southwestern Warren County

DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

- |     |   |  |
|-----|---|--|
| 1.  | Line Name:<br>Line Number:  | Port Union-Foster<br>DEO-A5483   |
| 2.  | Point of Origin:<br>Terminus:                                     | Tap Feeder 5483 (at or near Pole 524)<br>Socialville Substation  |
| 3.  | Right-of-Way, Length:<br>Average Width:<br>Number of Circuits:    | approximately 1400 feet<br>100 feet<br>1 transmission line above 125 kV  |
| 4.  | Voltage:  | 138 kV design and operate voltage  |
| 5.  | Application for Certificate:                                      | 9/2019   |
| 6.  | Construction to<br>Commence:<br>Commercial Operation:             | 3/2020<br><br>6/2020   |
| 7.  | Capital Investment:   | \$500,000  |
| 8.  | Substations:  | none   |
| 9.  | Supporting Structures:  | steel poles  |
| 10. | Participation with other<br>Utilities:                            | DEO – 100%   |
| 11. | Purpose of the planned<br>transmission line:                      | Loop Feeder 5483 through Socialville Substation to<br>eliminate overload and/or low voltage conditions<br>for various contingencies. |
| 12. | Consequences of Line<br>Construction deferment or<br>Termination: | overload and/or low voltage conditions continue to<br>result for various contingencies.  |
| 13. | Miscellaneous:  | Area to be served is primarily southwestern Warren<br>County   |

DUKE ENERGY OHIO  
4901:5-5-04(D)(1)  
FORM FE-T9: SPECIFICATIONS OF PLANNED ELECTRIC TRANSMISSION LINES

- |     |   |  |
|-----|---|--|
| 1.  | Line Name:<br>Line Number:  | Port Union-Fairfield<br>DEO-A3886  |
| 2.  | Point of Origin:<br>Terminus:                                     | Port Union Substation<br>Mulhauser Substation                                      |
| 3.  | Right-of-Way, Length:<br>Average Width:<br>Number of Circuits:    | approximately 2.76 miles<br>100 feet<br>1 transmission line above 125 kV           |
| 4.  | Voltage:  | 138 kV design and operate voltage  |
| 5.  | Application for Certificate:                                      | 6/2020   |
| 6.  | Construction to<br>Commence:<br>Commercial Operation:             | 1/2021<br><br>6/2021   |
| 7.  | Capital Investment:   | \$5,000,000  |
| 8.  | Substations:  | none   |
| 9.  | Supporting Structures:  | steel towers or poles  |
| 10. | Participation with other<br>Utilities:                            | DEO – 100%   |
| 11. | Purpose of the planned<br>transmission line:                      | increase capacity of the existing Port Union to<br>Mulhauser portion of DEO-A3886. |
| 12. | Consequences of Line<br>Construction deferment or<br>Termination: | overload of existing conductor for various outage<br>contingencies.                |
| 13. | Miscellaneous:  | Area to be served is primarily north-central Hamilton<br>County                    |

DUKE ENERGY OHIO  
4901:5-5-04(D)(2)  
FORM FE-T10: SUMMARY OF PROPOSED SUBSTATIONS

Substation Name: Columbia

Voltage(s): 138 kV, 12.47 kV

Type of Substation: Distribution (D)

Timing: 2018

Line Association(s): DEO-A5484

Minimum Substation Site Acreage: Approximately 5 acres (site has been acquired)

DUKE ENERGY OHIO  
4901:5-5-04(D)(2)  
FORM FE-T10: SUMMARY OF PROPOSED SUBSTATIONS

Substation Name: South Fairmount Substation

Voltage(s): 138 kV, 12.47 kV

Type of Substation: Distribution (D)

Timing: 2019

Line Association(s): DEO-A1286

Minimum Substation Site Acreage: Approximately 5 acres (site has been acquired)

DUKE ENERGY OHIO  
4901:5-5-04(D)(2)  
FORM FE-T10: SUMMARY OF PROPOSED SUBSTATIONS

Substation Name: Half Acre

Voltage(s): 138 kV, 34.5 kV

Type of Substation: Distribution (D)

Timing: 2022

Line Association(s): DEO-A8481

Minimum Substation Site Acreage: Approximately 5 acres



DUKE ENERGY OHIO  
4901:5-5-04(D)(2)  
FORM FE-T10: SUMMARY OF PROPOSED SUBSTATIONS

Substation Name: Keever

Voltage(s): 138 kV, 12.47 kV

Type of Substation: Distribution (D)

Timing: 2025

Line Association(s): DEO-A5485 and/or DEO-A5680

Minimum Substation Site Acreage: Approximately 5 acres

**PUCO Form FE-D1 : EDU Service Area Energy Delivery Forecast**  
**(Megawatt Hours/Year) (a)**  
**Duke Energy Ohio (d)**

	1	2	3	4	5(a)	5(b)	6	7	8
Year	Residential	Commercial	Industrial	Transportation (b)	Other (c)	Energy Efficiency and Demand Response (e)	Total End Use Delivery (f)	Line Losses and Company Use	Total Energy
-5	7,236,187	6,366,993	4,976,458	-	1,458,186		1+2+3+4+5(a)-5(b)		6+7
-4	7,383,476	6,398,779	5,158,802	-	1,519,064		20,037,824	1,333,662	21,371,487
-3	7,321,047	6,414,961	5,191,619	-	1,471,342		20,460,120	1,304,756	21,764,876
-2	7,262,164	6,533,182	5,121,919	-	1,374,249		20,398,969	1,144,955	21,543,924
-1	7,224,769	6,463,691	5,005,163	-	1,298,988		20,291,514	1,136,377	21,427,891
0	7,275,271	6,463,218	5,095,394	-	1,317,240	(743,599)	19,992,591	1,134,095	21,126,686
1	7,288,838	6,456,950	5,098,778	-	1,314,418	(871,543)	20,894,723	1,131,716	22,026,440
2	7,314,132	6,424,622	5,066,709	-	1,293,046	(990,832)	21,030,527	1,132,377	22,162,904
3	7,309,010	6,368,766	5,064,576	-	1,277,230	(1,099,580)	21,089,340	1,129,028	22,218,368
4	7,337,572	6,346,571	5,058,531	-	1,265,011	(1,192,276)	21,119,161	1,124,643	22,243,805
5	7,385,946	6,325,163	5,037,092	-	1,253,287	(1,266,354)	21,199,961	1,123,984	22,323,945
6	7,466,237	6,319,729	5,018,232	-	1,244,972	(1,315,833)	21,267,843	1,123,640	22,391,483
7	7,507,998	6,296,610	5,004,396	-	1,243,918	(1,342,875)	21,365,002	1,126,285	22,491,287
8	7,575,289	6,302,628	4,993,198	-	1,247,562	(1,358,092)	21,395,796	1,126,496	22,522,292
9	7,644,540	6,318,952	4,983,007	-	1,253,071	(1,373,568)	21,476,769	1,130,149	22,606,918
10	7,736,614	6,376,056	4,984,435	-	1,266,615	(1,372,032)	21,573,138	1,134,644	22,707,782
							21,735,752	1,143,757	22,879,509

(a) To be filled out by all EDUs. The category breakdown should refer to the Ohio portion of the EDU's total service area.

(b) Transportation includes railroads & railways.

(c) Other includes street & highway lighting, public authorities, interdepartmental sales, and wholesale

(d) Historical class numbers include the impact of DSM programs in place at the time. Forecast numbers have not been reduced for energy efficiency impacts.

(e) Historical numbers represent incremental impacts of energy efficiency programs. Forecast numbers represent cumulative impacts.

(f) Historical numbers include the impact of DSM programs in place at the time. Forecast numbers include losses.

**PUCO Form FE-D1 : EDU Service Area Energy Delivery Forecast**  
(Megawatt Hours/Year) (a)  
**Duke Energy Ohio After DSM (d)**

	1	2	3	4	5	6	7	8
Year	Residential	Commercial	Industrial	Transportation (b)	Other (c)	Total End Use Delivery	Line Losses and Company Use	Total Energy
						1+2+3+4+5		6+7
-5 2013	7,236,187	6,366,993	4,976,458	-	1,458,186	20,037,824	1,333,662	21,371,487
-4 2014	7,383,476	6,398,779	5,158,802	-	1,519,064	20,460,120	1,304,756	21,764,876
-3 2015	7,321,047	6,414,961	5,191,619	-	1,471,342	20,398,969	1,144,955	21,543,924
-2 2016	7,262,164	6,533,182	5,121,919	-	1,374,249	20,293,530	1,136,377	21,429,907
-1 2017	7,224,769	6,463,691	5,005,163	-	1,298,968	19,992,591	1,136,377	21,128,968
0 2018	7,275,271	6,463,218	5,095,394	-	1,317,240	20,151,124	1,131,716	21,282,840
1 2019	7,288,838	6,456,950	5,098,778	-	1,314,418	20,158,984	1,132,377	21,291,361
2 2020	7,314,132	6,424,622	5,066,709	-	1,293,046	20,098,508	1,129,028	21,227,536
3 2021	7,309,010	6,368,766	5,064,576	-	1,277,230	20,019,581	1,124,643	21,144,224
4 2022	7,337,572	6,346,571	5,058,531	-	1,265,011	20,007,685	1,123,984	21,131,669
5 2023	7,385,946	6,325,163	5,037,092	-	1,253,287	20,001,488	1,123,640	21,125,128
6 2024	7,466,237	6,319,729	5,018,232	-	1,244,972	20,049,170	1,126,285	21,175,454
7 2025	7,507,998	6,296,610	5,004,396	-	1,243,918	20,052,921	1,126,496	21,179,417
8 2026	7,575,289	6,302,628	4,993,198	-	1,247,562	20,118,677	1,130,149	21,248,826
9 2027	7,644,540	6,318,952	4,983,007	-	1,253,071	20,199,570	1,134,644	21,334,214
10 2028	7,736,614	6,376,056	4,984,435	-	1,266,615	20,363,720	1,143,757	21,507,477

(a) To be filled out by all EDUs. The category breakdown should refer to the Ohio portion of the EDU's total service area.

(b) Transportation includes railroads & railways.

(c) Other includes street & highway lighting, public authorities, interdepartmental sales, and wholesale

(d) Historical numbers include the impact of DSM programs in place at the time.

4901:5-5-04

**PUCO Form FE-D3 : EDU System Seasonal Peak Load Demand Forecast ( c )**  
(Megawatts)(a)

**Duke Energy Ohio Before DSM**

		Native				Internal			
	Year	Summer	Demand Response	Net Summer	Winter (b)	Summer	Demand Response	Net Summer	Winter (b)
-5	2013	4,167	0	4,167	3,052	4,167	0	4,167	3,052
-4	2014	4,053	0	4,053	3,662	4,053	0	4,053	3,662
-3	2015	4,049	0	4,049	3,702	4,049	0	4,049	3,702
-2	2016	4,427	0	4,427	3,417	4,427	0	4,427	3,417
-1	2017	3,957	0	3,957	3,713	3,957	0	3,957	3,713
0	2018	4,052	0	4,052	3,732	4,166	114	4,052	3,732
1	2019	4,066	0	4,066	3,750	4,186	119	4,066	3,750
2	2020	4,084	0	4,084	3,757	4,203	119	4,084	3,757
3	2021	4,092	0	4,092	3,779	4,217	125	4,092	3,779
4	2022	4,108	0	4,108	3,802	4,234	127	4,108	3,802
5	2023	4,125	0	4,125	3,828	4,252	127	4,125	3,828
6	2024	4,141	0	4,141	3,831	4,268	127	4,141	3,831
7	2025	4,149	0	4,149	3,845	4,276	127	4,149	3,845
8	2026	4,165	0	4,165	3,859	4,292	127	4,165	3,859
9	2027	4,179	0	4,179	3,881	4,306	127	4,179	3,881
10	2028	4,198	0	4,198	3,885	4,325	127	4,198	3,885

(a) To be filled out by all EDUs. Data should refer to the Ohio portion of the EDU's total service area.

(b) Winter load reference is to peak loads which follow the summer peak load.

(c) Historical company peaks not necessarily coincident with the system peak.

(d) Figures reflect the impact of historical demand side programs.

4901:5-5-04

**PUCO Form FE-D3 : EDU System Seasonal Peak Load Demand Forecast  
(Megawatts)(a)**

**Duke Energy Ohio After DSM**

		Native (b)(c )					Internal (b)(c )			
	Year	Summer	Demand Response	Net Summer	Winter (b)	Summer	Demand Response	Net Summer	Winter (b)	
-5	2013	4,167	0	4,167	3,052	4,167	0	4,167	3,052	
-4	2014	4,053	0	4,053	3,662	4,053	0	4,053	3,662	
-3	2015	4,049	0	4,049	3,702	4,049	0	4,049	3,702	
-2	2016	4,427	0	4,427	3,417	4,427	0	4,427	3,417	
-1	2017	3,957	0	3,957	3,713	3,957	0	3,957	3,713	
0	2018	4,048	0	4,048	3,724	4,161	114	4,048	3,724	
1	2019	4,055	0	4,055	3,735	4,174	119	4,055	3,735	
2	2020	4,066	0	4,066	3,736	4,185	119	4,066	3,736	
3	2021	4,066	0	4,066	3,750	4,191	125	4,066	3,750	
4	2022	4,074	0	4,074	3,764	4,201	127	4,074	3,764	
5	2023	4,085	0	4,085	3,784	4,212	127	4,085	3,784	
6	2024	4,094	0	4,094	3,781	4,221	127	4,094	3,781	
7	2025	4,095	0	4,095	3,789	4,222	127	4,095	3,789	
8	2026	4,104	0	4,104	3,796	4,231	127	4,104	3,796	
9	2027	4,112	0	4,112	3,814	4,239	127	4,112	3,814	
10	2028	4,126	0	4,126	3,814	4,253	127	4,126	3,814	

(a) To be filled out by all EDUs. Data should refer to the Ohio portion of the EDU's total service area.

(b) Winter load reference is to peak loads which follow the summer peak load.

(c) Includes DSM impacts.



**PUCO Form FE-D5: EDU's Total Monthly Energy Forecast (MWh)  
Duke Energy Ohio Before DSM**

2018 (d)				Ohio Service Area	System
January				1,999,367	1,999,367
February				1,785,185	1,785,185
March				1,731,773	1,731,773
April				1,606,277	1,606,277
May				1,684,565	1,684,565
June				1,926,652	1,926,652
July				2,133,605	2,133,605
August				2,079,258	2,079,258
September				1,819,255	1,819,255
October				1,638,346	1,638,346
November				1,697,244	1,697,244
December				1,924,912	1,924,912
2019 (d)					
January				2,020,070	2,020,070
February				1,799,801	1,799,801
March				1,745,163	1,745,163
April				1,618,532	1,618,532
May				1,697,558	1,697,558
June				1,941,152	1,941,152
July				2,144,015	2,144,015
August				2,088,777	2,088,777
September				1,826,488	1,826,488
October				1,644,816	1,644,816
November				1,703,927	1,703,927
December				1,932,606	1,932,606

- (a) To be filled out by all EDUs. Data should refer to the Ohio portion of the EDU's total service area in this column.  
 (b) EDUs operating across Ohio boundaries shall provide data for the total service area in this column.  
 (c) EDUs operating as a part of an integrated operating system shall provide data for the total system in this column.  
 (d) All data shown is a forecast. There is no actual data shown on this table.

**PUCO Form FE-D6: EDU's Total Monthly Energy Forecast (MWh)  
Duke Energy Ohio After DSM (e)**

<u>2018 (d)</u>				<u>Ohio Service Area</u>	<u>System</u>
January				1,947,518	1,947,518
February				1,735,750	1,735,750
March				1,677,098	1,677,098
April				1,555,524	1,555,524
May				1,626,996	1,626,996
June				1,863,145	1,863,145
July				2,063,393	2,063,393
August				2,007,963	2,007,963
September				1,752,685	1,752,685
October				1,575,518	1,575,518
November				1,629,354	1,629,354
December				1,847,896	1,847,896
<u>2019 (d)</u>					
January				1,964,936	1,964,936
February				1,746,266	1,746,266
March				1,685,464	1,685,464
April				1,563,526	1,563,526
May				1,631,368	1,631,368
June				1,867,359	1,867,359
July				2,060,793	2,060,793
August				2,003,247	2,003,247
September				1,745,418	1,745,418
October				1,567,497	1,567,497
November				1,619,416	1,619,416
December				1,836,071	1,836,071

(a) To be filled out by all EDUs. Data should refer to the Ohio portion of the EDU's total service area in this column.

(b) EDUs operating across Ohio boundaries shall provide data for the total service area in this column.

(c) EDUs operating as a part of an integrated operating system shall provide data for the total system in this column.

(d) All data shown is a forecast. There is no actual data shown on this table.

(e) Includes DSM impacts.

**PUCO Form FE-D6: EDU's Monthly Internal Peak Load Forecast (Megawatts)**  
**Duke Energy Ohio Before DSM**

2018 (d)	Native				Internal	
	Ohio Service Area	Demand Response	Net Summer	System	Ohio Service Area	System
January	3,696	5	3,696	3,696	3,701	3,701
February	3,442	5	3,442	3,442	3,447	3,447
March	3,022	5	3,022	3,022	3,027	3,027
April	2,827	5	2,827	2,827	2,832	2,832
May	3,460	80	3,460	3,460	3,540	3,540
June	3,917	114	3,917	3,917	4,031	4,031
July	4,052	114	4,052	4,052	4,166	4,166
August	3,999	114	3,999	3,999	4,113	4,113
September	3,868	114	3,868	3,868	3,982	3,982
October	2,814	15	2,814	2,814	2,829	2,829
November	3,024	15	3,024	3,024	3,039	3,039
December	3,293	15	3,293	3,293	3,308	3,308
2019 (d)						
January	3,717	15	3,717	3,717	3,732	3,732
February	3,461	15	3,461	3,461	3,475	3,475
March	3,038	15	3,038	3,038	3,053	3,053
April	2,839	15	2,839	2,839	2,854	2,854
May	3,481	79	3,481	3,481	3,561	3,561
June	3,931	119	3,931	3,931	4,051	4,051
July	4,066	119	4,066	4,066	4,186	4,186
August	4,013	119	4,013	4,013	4,132	4,132
September	3,882	119	3,882	3,882	4,002	4,002
October	2,836	16	2,836	2,836	2,851	2,851
November	3,046	16	3,046	3,046	3,062	3,062
December	3,317	16	3,317	3,317	3,332	3,332

(a) To be filled out by all EDUs. Data should refer to the Ohio portion of the EDU's total service area in this column.

(b) EDUs operating across Ohio boundaries shall provide data for the total service area in this column.

(c) EDUs operating as a part of an integrated operating system shall provide data for the total system in this column.

(d) All data shown is a forecast. There is no actual data shown on this table.



**PUCO Form FE-D6: EDU's Monthly Internal Peak Load Forecast (Megawatts) (e)**  
**Duke Energy Ohio After DSM (e)**

2018 (d)	Native				Internal	
	Ohio Service Area	Demand Response	Net Summer	System	Ohio Service Area	System
January	3,695	5	3,695	3,695	3,700	3,700
February	3,441	5	3,441	3,441	3,445	3,445
March	3,020	5	3,020	3,020	3,025	3,025
April	2,825	5	2,825	2,825	2,830	2,830
May	3,457	80	3,457	3,457	3,537	3,537
June	3,914	114	3,914	3,914	4,028	4,028
July	4,048	114	4,048	4,048	4,161	4,161
August	3,994	114	3,994	3,994	4,108	4,108
September	3,863	114	3,863	3,863	3,977	3,977
October	2,810	15	2,810	2,810	2,825	2,825
November	3,019	15	3,019	3,019	3,034	3,034
December	3,285	15	3,285	3,285	3,300	3,300
2019 (d)						
January	3,709	15	3,709	3,709	3,724	3,724
February	3,452	15	3,452	3,452	3,467	3,467
March	3,030	15	3,030	3,030	3,045	3,045
April	2,833	15	2,833	2,833	2,848	2,848
May	3,473	79	3,473	3,473	3,552	3,552
June	3,921	119	3,921	3,921	4,041	4,041
July	4,055	119	4,055	4,055	4,174	4,174
August	4,001	119	4,001	4,001	4,121	4,121
September	3,871	119	3,871	3,871	3,991	3,991
October	2,827	16	2,827	2,827	2,842	2,842
November	3,035	16	3,035	3,035	3,050	3,050
December	3,303	16	3,303	3,303	3,318	3,318

(a) To be filled out by all EDUs. Data should refer to the Ohio portion of the EDU's total service area in this column.

(b) EDUs operating across Ohio boundaries shall provide data for the total service area in this column.

(c) EDUs operating as a part of an integrated operating system shall provide data for the total system in this column.

(d) All data shown is a forecast. There is no actual data shown on this table.

(e) Includes DSM impacts.

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

**Commission of Ohio Docketing Information System on**

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**Case No(s). 18-0484-EL-FOR**

Summary: Report In the Matter of the Long-Term Forecast Report of Duke Energy Ohio, Inc. and Related Matters electronically filed by Mrs. Debbie L Gates on behalf of Duke Energy Ohio Inc. and Watts, Elizabeth H and D'Ascenzo, Rocco O. Mr. and Kingery, Jeanne W