



Legal Department

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April 17, 2017

Barcy F. McNeal  
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Public Utilities Commission of Ohio  
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Columbus, Ohio 43215-3793

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**RE:** *In the Matter of the Long-Term Forecast Report of Ohio Valley Electric Corporation and Related Matters, Case No. 17-500-EL-FOR.*

Dear Ms. McNeal:

I am submitting the enclosed 2017 Long-Term Forecast Report (LTFR) on behalf of Ohio Valley Electric Corporation (OVEC), pursuant to Section 4935.04, Ohio Revised Code. I have sent a copy of OVEC's 2017 LTFR to the Office of the Ohio Consumers' Counsel in accordance with Rule 4901:5-1-03(F), Ohio Administrative Code.

Thank you for your attention to this matter.

Respectfully Submitted,

/s/ Steven T. Nourse  
Steven T. Nourse

**OHIO VALLEY ELECTRIC  
CORPORATION**

**LONG-TERM FORECAST REPORT**

**TO THE**

**PUBLIC UTILITIES COMMISSION OF OHIO**

Case No. 17-500-EL-FOR

**2017**

**ELECTRIC**

Case No. 17-500-EL-FOR

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

**Submitted by**

**OHIO VALLEY ELECTRIC CORPORATION  
P.O. Box 16631  
Columbus, Ohio 43216  
Telephone: (614) 716-2860**

**April 17, 2017**

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

**OHIO ADMINISTRATIVE CODE**

**Ohio Valley Electric Corporation's 2017 Long-Term Forecast Report is true and correct to the best of my knowledge and belief.**



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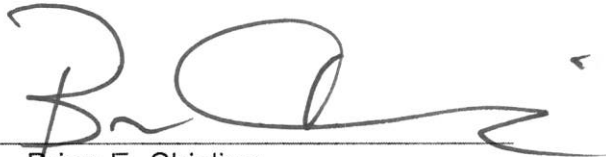
**Robert A. Osborne  
Vice President and Chief Operating Officer  
Ohio Valley Electric Corporation**

**April 17, 2017  
Dated this day in Columbus, Ohio**

## CERTIFICATE OF SERVICE

I hereby certify that:

1. Pursuant to Section 4901:5-1-03(F), Ohio Administrative Code, a copy of Ohio Valley Electric Corporation's 2017 Long-Term Forecast Report has been delivered or mailed to the Office of Consumers' Counsel on the day of the filing;
2. Pursuant to Section 4901:5-1-03(G), Ohio Administrative Code, a letter of notification stating where copies of Ohio Valley Electric Corporation's 2017 Long-Term Forecast Report to the Public Utilities Commission of Ohio may be obtained, will be sent by first class mail to the appropriate county libraries within three days of filing;
3. Pursuant to Section 4901:5-1-03(H), Ohio Administrative Code, Ohio Valley Electric Corporation will keep at least one copy of its 2017 Long-Term Forecast Report at its principal business office for public inspection during business hours; and
4. Pursuant to Section 4901:5-1-03(I), Ohio Administrative Code, Ohio Valley Electric Corporation will provide a copy of its 2017 Long-Term Forecast Report to any person upon request at a cost to cover the expenses incurred.



Brian E. Chisling  
Simpson Thacher & Bartlett LLP  
425 Lexington Avenue  
New York, New York 10017  
(212) 455-3075  
Attorney for  
Ohio Valley Electric Corporation

April 17, 2017  
Dated this day in Columbus, Ohio

OVEC 2017

# 1. FORECAST FORMS

## NOTE:

OVEC supplies electric power to only one retail customer, the United States Department of Energy's gaseous diffusion plant located near Piketon, Ohio. Since the early 1950's, the supply of this power was governed by a contract (the OVEC/DOE Power Agreement), which specified the DOE's maximum entitlement or "contract demand" for electric power. However, on September 29, 2000, in conjunction with the United States Enrichment Corporation's publicly announced plans for ceasing enriching operations at the Piketon diffusion plant by June 2001, the DOE issued to OVEC a notice that it was terminating the OVEC/DOE Power Agreement effective no later than April 30, 2003. Part of that notice was to the effect that the DOE would no longer require any power from OVEC's generating facilities for use at the project. Thus, since May 1, 2003, under a corresponding power sales agreement among OVEC and its 13 sponsoring companies (the Inter-Company Power Agreement), the sponsoring companies are entitled to receive from OVEC, and are obligated to pay for, all power and energy produced by OVEC's generating facilities. The Inter-Company Power Agreement is a FERC-jurisdictional cost-based contract for wholesale sales of power and energy.

Since May 1, 2003, pursuant to a letter agreement dated April 29, 2003, as revised from time to time, the DOE has requested that OVEC purchase from other electricity suppliers small amounts of power (usually less than 50 megawatts) to enable the Piketon gaseous diffusion plant to be maintained in a "cold standby" or other non-operational condition. The current letter agreement for arranged power between OVEC and the DOE is set to terminate on October 31, 2017. The attached forecast assumes that DOE will take power and energy in 2017 as it did in 2016. OVEC is unable to forecast any DOE demand beyond that assumption or to predict DOE's needs outside of such period.

OVEC notes that it does not have a certified territory under Ohio law and thus is not a "electric utility" as set forth in division (A)(11) of section 4928.01 of the Revised Code. OVEC is an "electric transmission owner" as defined in division (A)(1)(a) of section 4935.04 of the Revised Code. This report and the following forms are intended to provide the Commission with all information required to be provided by OVEC as an "electric transmission owner" pursuant to the revised rules and regulations promulgated under section 4935.04 of the Revised Code.

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

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
		(1)+(2)			(4)+(5)	(3)+(6)			(8)+(9)	(7) - (10)		(11) - (12)
Year	Energy Receipts from Generation Sources Connected to the System Owner's System Inside Ohio	Total Energy Receipts from Generation Sources	Energy Receipts at Interconnections with Other Transmission Companies Inside Ohio	Energy Receipts at Interconnections with Other Transmission Companies Outside Ohio	Total Energy Receipts at Interconnections	Total Energy Receipts	Energy Deliveries at Interconnections with Other Transmission Companies Inside Ohio	Energy Deliveries at Interconnections with Other Transmission Companies Outside Ohio	Total Energy Deliveries at Interconnections	Total Energy Deliveries For Load Connected to the System	Energy Deliveries For Load Connected to the System Inside Ohio	Energy Deliveries For Load Connected to the System Outside Ohio
-5	2012	4,569,145	5,945,617	10,514,762	211,615	5,318,136	15,832,898	11,140,275	4,271,579	15,411,854	421,044	421,044
-4	2013	4,966,617	5,505,076	10,471,693	219,564	5,668,038	16,139,731	11,037,618	4,705,496	15,743,114	396,617	396,617
-3	2014	5,441,555	5,968,451	11,410,006	303,504	5,864,943	17,274,949	11,736,724	5,078,862	16,815,586	459,363	459,363
-2	2015	3,680,529	5,219,091	8,899,620	364,811	7,672,486	16,572,106	11,740,328	4,393,702	16,134,030	438,076	438,076
-1	2016	4,934,166	5,012,711	9,946,877	489,304	7,029,926	16,976,803	11,960,714	4,616,737	16,577,451	399,352	399,352
0	2017	4,920,685	4,999,015	9,919,700	497,940	7,010,719	16,930,419	11,928,035	4,604,123	16,532,158	665,777	665,777
1	2018										725,752	725,752
2	2019										435,151	435,151
3	2020										439,597	439,597
4	2021										438,660	438,660
5	2022										438,660	438,660
6	2023										438,660	438,660
7	2024										439,862	439,862
8	2025										438,660	438,660
9	2026										438,660	438,660
10	2027										438,660	438,660

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



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

		Native Load <sup>b</sup>		Internal Load <sup>c</sup>	
	Year	Summer	Winter	Summer	Winter <sup>d</sup>
-5	2012	107	133	107	133
-4	2013	129	160	129	160
-3	2014	133	175	133	175
-2	2015	94	145	94	145
-1	2016	90	98	90	98
0	2017	92	124	92	124
1	2018	92	124	92	124
2	2019	62	89	62	89
3	2020	62	89	62	89
4	2021	62	89	62	89
5	2022	62	89	62	89
6	2023	62	89	62	89
7	2024	62	89	62	89
8	2025	62	89	62	89
9	2026	62	89	62	89
10	2027	62	89	62	89

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

b. Excludes interruptible load.

c. Includes interruptible load.

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

e. OVEC's sole retail customer, the United States Department of Energy's gaseous diffusion plant located near Piketon, Ohio, is located solely in Ohio.

PUCO Form FE-T3:  
Electric Transmission Owner's Total Monthly Energy Forecast  
(Megawatt-Hours/Month)

	Ohio Portion <sup>a</sup>	Total Service Area <sup>b</sup>	Total System <sup>c</sup>
Year 0 <sup>d</sup>			
January	47,872*		
February	37,847*		
March	63,233		
April	52,559		
May	52,071		
June	57,025		
July	68,099		
August	58,963		
September	58,537		
October	51,098		
November	56,980		
December	61,494		
		<b>Same as "Ohio Portion"</b>	
Year 1 <sup>d</sup>			
January	73,709		
February	61,656		
March	61,479		
April	49,863		
May	57,326		
June	58,734		
July	68,099		
August	58,963		
September	55,128		
October	51,948		
November	55,211		
December	73,636		

- 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. Actual data shall be indicated with an asterisk (\*).
- e. OVEC's sole retail customer, the United States Department of Energy's gaseous diffusion plant located near Piketon, Ohio, is located solely in Ohio.

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

	Ohio Portion <sup>a</sup>	Total Service Area <sup>b</sup>	System <sup>c</sup>	
Year 0 <sup>d</sup>				
January	92*			
February	96*			
March	103			
April	103			
May	98	<b>Same as "Ohio Portion"</b>		
June	98			
July	98			
August	98			
September	98			
October	98			
November	103			
December	103			
Year 1 <sup>d</sup>				
January	103			
February	103			
March	103			
April	103			
May	98			
June	98			
July	98			
August	98			
September	98			
October	98			
November	103			
December	103			

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

(e) OVEC's sole retail customer, the United States Department of Energy's gaseous diffusion plant located near Piketon, Ohio, is located solely in Ohio.

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

Part A: Sources of Energy

Reporting Month: January

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	738,975	0	738,975
Energy Receipts From Other Sources	23,979	0	23,979
<b>Total Energy Receipts</b>	<b>762,954</b>	<b>0</b>	<b>762,954</b>

Reporting Month February

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	645,946	0	645,946
Energy Receipts from other sources	21,665	0	21,665
<b>Total Energy Receipts</b>	<b>667,611</b>	<b>0</b>	<b>667,611</b>

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

Part A: Sources of Energy

Reporting Month March

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	478,962	0	478,962
Energy Receipts from other sources	17,790	0	17,790
<b>Total Energy Receipts</b>	<b>496,752</b>	<b>0</b>	<b>496,752</b>

Reporting Month April

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	445,828	0	445,828
Energy Receipts from other sources	14,295	0	14,295
<b>Total Energy Receipts</b>	<b>460,123</b>	<b>0</b>	<b>460,123</b>

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

Part A: Sources of Energy

Reporting Month May

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	683,491	0	683,491
Energy Receipts from other sources	14,146	0	14,146
<b>Total Energy Receipts</b>	<b>697,637</b>	<b>0</b>	<b>697,637</b>

Reporting Month June

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	1,043,751	0	1,043,751
Energy Receipts from other sources	14,202	0	14,202
<b>Total Energy Receipts</b>	<b>1,057,953</b>	<b>0</b>	<b>1,057,953</b>

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

Part A: Sources of Energy

Reporting Month July

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	1,139,040	0	1,139,040
Energy Receipts from other sources	14,834	0	14,834
<b>Total Energy Receipts</b>	<b>1,153,874</b>	<b>0</b>	<b>1,153,874</b>

Reporting Month August

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	1,084,838	0	1,084,838
Energy Receipts from other sources	15,090	0	15,090
<b>Total Energy Receipts</b>	<b>1,099,928</b>	<b>0</b>	<b>1,099,928</b>

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

Part A: Sources of Energy

Reporting Month September

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	1,083,095	0	1,083,095
Energy Receipts from other sources	14,195	0	14,195
<b>Total Energy Receipts</b>	<b>1,097,290</b>	<b>0</b>	<b>1,097,290</b>

Reporting Month October

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	604,237	0	604,237
Energy Receipts from other sources	14,656	0	14,656
<b>Total Energy Receipts</b>	<b>618,893</b>	<b>0</b>	<b>618,893</b>



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

Part A: Sources of Energy

Reporting Month November

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	780,006	0	780,006
Energy Receipts from other sources	15,954	0	15,954
<b>Total Energy Receipts</b>	<b>795,960</b>	<b>0</b>	<b>795,960</b>

Reporting Month December

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	1,164,208	0	1,164,208
Energy Receipts from other sources	20,534	0	20,534
<b>Total Energy Receipts</b>	<b>1,184,742</b>	<b>0</b>	<b>1,184,742</b>

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

Part B: Delivery of Energy

Reporting Month: January

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	21,250	0	21,250
For Non-Distribution Service (Transmission to Transmission Service)	723,434	0	723,434
<b>Total Energy Deliveries</b>	<b>744,684</b>	<b>0</b>	<b>744,684</b>

Reporting Month: January

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	21,250	0	21,250
For Non-Distribution Service (Transmission to Transmission Service)	783,867	0	783,867
<b>Total Energy Deliveries</b>	<b>805,117</b>	<b>0</b>	<b>805,117</b>

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

Part B: Delivery of Energy

Reporting Month: February

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	18,857	0	18,857
For Non-Distribution Service (Transmission)	633,525	0	633,525
<b>Total Energy Deliveries</b>	<b>652,382</b>	<b>0</b>	<b>652,382</b>

Reporting Month: February

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	18,857	0	18,857
For Non-Distribution Service (Transmission)	696,200	0	696,200
<b>Total Energy Deliveries</b>	<b>715,057</b>	<b>0</b>	<b>715,057</b>

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

Part B: Delivery of Energy

Reporting Month: March

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	14,935	0	14,935
For Non-Distribution Service (Transmission)	471,751	0	471,751
<b>Total Energy Deliveries</b>	<b>486,686</b>	<b>0</b>	<b>486,686</b>

Reporting Month: March

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	14,935	0	14,935
For Non-Distribution Service (Transmission)	736,551	0	736,551
<b>Total Energy Deliveries</b>	<b>751,486</b>	<b>0</b>	<b>751,486</b>

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

Part B: Delivery of Energy

Reporting Month: April

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	12,397	0	12,397
For Non-Distribution Service (Transmission	429,604	0	429,604
Total Energy Deliveries	442,001	0	442,001

Reporting Month: April

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	12,397	0	12,397
For Non-Distribution Service (Transmission	562,748	0	562,748
Total Energy Deliveries	575,145	0	575,145

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

Part B: Delivery of Energy

Reporting Month: May

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	12,344	0	12,344
For Non-Distribution Service (Transmission	676,674	0	676,674
<b>Total Energy Deliveries</b>	<b>689,018</b>	<b>0</b>	<b>689,018</b>

Reporting Month: May

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	12,344	0	12,344
For Non-Distribution Service (Transmission	500,475	0	500,475
<b>Total Energy Deliveries</b>	<b>512,819</b>	<b>0</b>	<b>512,819</b>

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

Part B: Delivery of Energy

Reporting Month: June

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	12,448	0	12,448
For Non-Distribution Service (Transmission	1,035,342	0	1,035,342
Total Energy Deliveries	1,047,790	0	1,047,790

Reporting Month: June

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	12,448	0	12,448
For Non-Distribution Service (Transmission	565,744	0	565,744
Total Energy Deliveries	578,192	0	578,192

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

Part B: Delivery of Energy

Reporting Month: July

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	13,105	0	13,105
For Non-Distribution Service (Transmission)	1,125,347	0	1,125,347
<b>Total Energy Deliveries</b>	<b>1,138,452</b>	<b>0</b>	<b>1,138,452</b>

Reporting Month: July

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	13,105	0	13,105
For Non-Distribution Service (Transmission)	547,102	0	547,102
<b>Total Energy Deliveries</b>	<b>560,207</b>	<b>0</b>	<b>560,207</b>



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

Part B: Delivery of Energy

Reporting Month: August

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	13,257	0	13,257
For Non-Distribution Service (Transmission	1,067,960	0	1,067,960
<b>Total Energy Deliveries</b>	<b>1,081,217</b>	<b>0</b>	<b>1,081,217</b>

Reporting Month: August

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	13,257	0	13,257
For Non-Distribution Service (Transmission	668,219	0	668,219
<b>Total Energy Deliveries</b>	<b>681,476</b>	<b>0</b>	<b>681,476</b>

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

Part B: Delivery of Energy

Reporting Month: September

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	12,260	0	12,260
For Non-Distribution Service (Transmission	1,070,468	0	1,070,468
Total Energy Deliveries	1,082,728	0	1,082,728

Reporting Month: September

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	12,260	0	12,260
For Non-Distribution Service (Transmission	642,912	0	642,912
Total Energy Deliveries	655,172	0	655,172

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

Part B: Delivery of Energy

Reporting Month: October

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	11,937	0	11,937
For Non-Distribution Service (Transmission	593,062	0	593,062
<b>Total Energy Deliveries</b>	<b>604,999</b>	<b>0</b>	<b>604,999</b>

Reporting Month: October

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	11,937	0	11,937
For Non-Distribution Service (Transmission	519,491	0	519,491
<b>Total Energy Deliveries</b>	<b>531,428</b>	<b>0</b>	<b>531,428</b>

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

Part B: Delivery of Energy

Reporting Month: November

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	13,743	0	13,743
For Non-Distribution Service (Transmission)	771,533	0	771,533
<b>Total Energy Deliveries</b>	<b>785,276</b>	<b>0</b>	<b>785,276</b>

Reporting Month: November

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	13,743	0	13,743
For Non-Distribution Service (Transmission)	274,495	0	274,495
<b>Total Energy Deliveries</b>	<b>288,238</b>	<b>0</b>	<b>288,238</b>

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

Part B: Delivery of Energy

Reporting Month: December

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	17,340	0	17,340
For Non-Distribution Service (Transmission	1,147,806	0	1,147,806
Total Energy Deliveries	1,165,146	0	1,165,146

Reporting Month: December

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

	Firm Transmission Service	Non-Firm Transmission Services	Total
For Distribution Service:			
Affiliated Electric Utility Companies			
Other Investor-Owned Electric Utilities			
Cooperative-Owned Electric Systems			
Municipal-Owned Electric Systems			
Federal and State Electric Agencies			
Other End User Service	17,340	0	17,340
For Non-Distribution Service (Transmission	244,014	0	244,014
Total Energy Deliveries	261,354	0	261,354

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

Part C: Losses and Unaccounted For (MWh)

Reporting Month: January

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	18,270	0	18,270

(a) FE3-T5 Part A minus FE3-T5 Part B (1).

Part C: Losses and Unaccounted For (MWh)

Reporting Month: February

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	15,229	0	15,229

(a) FE3-T5 Part A minus FE3-T5 Part B (1).

Part C: Losses and Unaccounted For (MWh)

Reporting Month: March

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	10,066	0	10,066

(a) FE3-T5 Part A minus FE3-T5 Part B (1).

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

Part C: Losses and Unaccounted For (MWh)

Reporting Month: April

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	18,122	0	18,122

(a) FE3-T5 Part A minus FE3-T5 Part B (1).

Part C: Losses and Unaccounted For (MWh)

Reporting Month: May

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	8,619	0	8,619

(a) FE3-T5 Part A minus FE3-T5 Part B (1).

Part C: Losses and Unaccounted For (MWh)

Reporting Month: June

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	10,163	0	10,163

(a) FE3-T5 Part A minus FE3-T5 Part B (1).

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

Part C: Losses and Unaccounted For (MWh)

Reporting Month: July

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	15,422	0	15,422

(a) FE3-T5 Part A minus FE3-T5 Part B (1).

Part C: Losses and Unaccounted For (MWh)

Reporting Month: August

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	18,711	0	18,711

(a) FE3-T5 Part A minus FE3-T5 Part B (1).

Part C: Losses and Unaccounted For (MWh)

Reporting Month: September

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	14,562	0	14,562

(a) FE3-T5 Part A minus FE3-T5 Part B (1).



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

Part C: Losses and Unaccounted For (MWh)

Reporting Month: October

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	13,894	0	13,894

(a) FE3-T5 Part A minus FE3-T5 Part B (1).

Part C: Losses and Unaccounted For (MWh)

Reporting Month: November

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	10,684	0	10,684

(a) FE3-T5 Part A minus FE3-T5 Part B (1).

Part C: Losses and Unaccounted For (MWh)

Reporting Month: December

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery <sup>a</sup>	19,596	0	19,596

(a) FE3-T5 Part A minus FE3-T5 Part B (1).



PUCO Form FE-T7:  
 Characteristics of Existing Transmission Lines

Transmission Name & Line No. <sup>a</sup> List Each Transmission Line of 125 kV or More	Point of (Origin - Terminus) Indicate Location of Line's Beginning and Terminus	Summer Capability		Winter Capability		Operating Voltage (kV) Indicate Design Voltage and Operating Voltage For Each Line	Design Voltage (kV)	Right-of-Way		Type of Supporting Structure Steel Towers, Wood Poles or Underground, etc. Miles of the Line of Each Structure	Number of Circuits		Substations on the Line Substation Name
		Normal Rating	Emergency Rating	Normal Rating	Emergency Rating			Length (Miles)	Width Max./Min. (feet)		Design	Installed	
Kyger-Spom 1* AEP	Kyger Creek Cheshire, OH	1017	1305	1287	1506	345	345	0.4**	150	Steel towers	1	1	
Kyger-Spom 2* AEP	Kyger Creek Cheshire, OH	971	1166	1234	1481	345	345	0.4**	150	Steel towers	1****	1	
Kyger-Pierce	Kyger Creek Cheshire, OH	972	972	1235	1235	345	345	119.8	150	Steel towers	1****	1****	
Kyger-Marquis* AEP	Kyger Creek Cheshire, OH	972	972	1235	1235	345	345	50.4	150	Steel towers	1****	1****	
Kyger-X530 DOE	Kyger Creek Cheshire, OH	478	478	478	478	345	345	50.4	150	Steel towers	2	2	
Pierce-Clifty	New Richmond, OH	972	972	1078	1078	345	345	0.4**	150	Steel towers	2	2	
Pierce-Dearbom* AEP	New Richmond, OH	972	972	1235	1235	345	345	0.4**	150	Steel towers	1	1	
Pierce-X530 DOE	New Richmond, OH	478	478	478	478	345	345	71.5	150	Steel towers	2	2	
Pierce-Bluffington* Duke	New Richmond, OH	846	972	1040	1195	345	345	0.4**	150	Steel towers	1	1	

a. Indicate with \* if transmission line is an interconnection with another electric transmission owner and list the other transmission owner's name.

\*\* Indicates the portion of the line located within Ohio

\*\*\*As part of PJM's Regional Transmission Expansion Plan, Project B2022, the Kyger – Tri-State 345 kV circuit was terminated at the AEP Spom Station in WV and became a second Kyger Creek-Spom 345 kV circuit. The Ohio portion of this circuit will remain unchanged

\*\*\*\* Kyger Creek – Marquis created from former Kyger Creek – DOE X533 #2 and DOE X533 – Marquis circuits. Kyger Creek – Pierce created from former Kyger Creek – DOE X533 #1 and DOE X533 – Pierce #1 and #2 circuits (6-wired).

PUCO Form FE-T8:  
Summary of Existing Substations on Transmission Lines

Substation Name	Type Distribution (D) Transmission (T)	Voltage(s) (kV)	Line Association (FE3-T7 or FE3-T9 Notation)	Line Existing or Proposed
Kyger Creek	(T)	345 kV	Kyger-Sporn	Existing
Kyger Creek	(T)	345 kV	Kyger – Pierce	Existing
Kyger Creek	(T)	345 kV	Kyger - Marquis	Existing
Kyger Creek	(T)	345 kV	Kyger – X530	Existing
Pierce	(T)	345 kV	Pierce – Clifty	Existing
Pierce	(T)	345 kV	Pierce – Dearborn	Existing
Pierce	(T)	345 kV	Pierce – Buffington	Existing
Pierce	(T)	345 kV	Pierce – Kyger	Existing
Pierce	(T)	345 kV	Pierce – X530	Existing

PUCO Form FE-T9:  
Specifications of Planned Electric Transmission Lines

1. Line Name and Number: Indicate planned line name and number.
2. Points of Origin and Termination: Specify planned points of line origin and termination.
3. Right-Of-Way: Specify right-of-way length, average width and number of transmission lines above 125 kV.
4. Voltage: Specify planned design and operate voltage.
5. Application For Certificate: Indicate the probable date for filing an application for a certificate, to the extent possible.
6. Construction: Specify planned construction commencement and anticipated date of commercial operation.
7. Capital Investment: Provide preliminary initial estimates of capital investment including land acquisitions, right-of-way improvements, and facilities and equipment costs, as available at the time of reporting.
8. Planned Substations: Specify number of tentative location and names of planned substations, transmission voltages and average acreage required.
9. Supporting Structures: Indicate preliminary structure type(s).
10. Participation with Other Utilities: Specify the nature of participation with other utilities, if applicable.
11. Purpose of the Planned Transmission Line: Indicate the preliminary purpose of the planned line (e.g., system reliability, connection of generating facilities, load center growth, etc.).
12. Consequences of Line Construction Deferment or Termination: Briefly describe the consequences of delay.
13. Miscellaneous: Waivers to be requested, date of pre-application conference (optional), area to be served, and other significant information.

**\* OVEC does not plan to add any transmission lines.**



## LETTER OF NOTIFICATION

Pike County Library  
THE GARNET A. WILSON  
PUBLIC LIBRARY OF PIKE CO  
207 N MARKET ST  
WAVERLY OH 45690

RE: 2017 Ohio Valley Electric Corporation's Long-Term Forecast Report

Dear Librarian:

Enclosed is a copy of Ohio Valley Electric Corporation's 2017 Long-Term Forecast Report to the Public Utilities Commission of Ohio, which was filed on April 15, 2017. Additional copies of the Report can be obtained, at a cost covering the cost of duplication and postage, by sending a request to: Robert Osborne, Vice President and Chief Operating Officer, P.O. Box 16631, Columbus, Ohio 43216.

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

**Commission of Ohio Docketing Information System on**

**4/17/2017 11:44:27 AM**

**in**

**Case No(s). 17-0500-EL-FOR**

Summary: Report -2017 Long-Term Forecast Report on behalf of Ohio Valley Electric Corporation electronically filed by Mr. Steven T Nourse on behalf of Ohio Valley Electric Corporation