

**OHIO VALLEY ELECTRIC
CORPORATION**

LONG-TERM FORECAST REPORT

TO THE

PUBLIC UTILITIES COMMISSION OF OHIO

Case No. 20-500-EL-FOR

2020

ELECTRIC

Case No. 20-500-EL-FOR

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

Submitted by

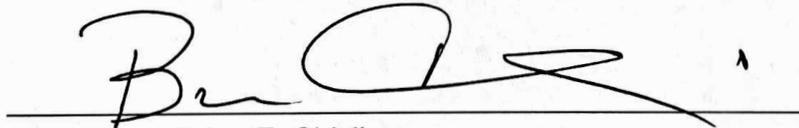
**OHIO VALLEY ELECTRIC CORPORATION
P.O. Box 16631
Columbus, Ohio 43216
Telephone: (614) 716-2860**

April 9, 2020

CERTIFICATE OF SERVICE

I hereby certify that:

1. In accordance with the order of the Public Utilities Commission of Ohio, entered on April 7, 2020 in Case No. 20-500-EL-FOR, waiving the requirements of Section 4901:5-1-03(F) and Section 4901:5-1-03(G), Ohio Administrative Code, to deliver or mail a copy of Ohio Valley Electric Corporation's 2020 Long-Term Forecast Report to the Office of Consumers' Counsel ("OCC") on the day of the filing, and to send a copy of such report by first class mail to the appropriate county libraries within three days of such filing, respectively, Ohio Valley Electric Corporation (a) will post a copy of such filed report on its public website; (b) e-mail a copy of such filed report to the counsel for OCC, and make a paper copy available to OCC upon request; and (c) make paper copies of such filed report available to Commission Staff upon request after the declared state of emergency has ended and COVID 19-related contact restrictions are lifted;
2. Pursuant to Section 4901:5-1-03(H), Ohio Administrative Code, Ohio Valley Electric Corporation will keep at least one copy of its 2020 Long-Term Forecast Report at its principal business office for public inspection during business hours; and
3. Pursuant to Section 4901:5-1-03(I), Ohio Administrative Code, Ohio Valley Electric Corporation will provide a copy of its 2020 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 7, 2020
Dated this day in Columbus, Ohio

OVEC 2020

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

**Ohio Valley Electric Corporation's 2020 Long-Term Forecast Report is true
and correct to the best of my knowledge and belief.**

A handwritten signature in black ink, consisting of the letters 'R', 'A', and 'O' in a stylized, cursive font, followed by a long horizontal flourish.

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

**April 9, 2020
Dated this day in Columbus, Ohio**

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Case No. 20-500-EL-FOR

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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 attached forecast assumes that DOE will take power and energy in 2020 as it did in 2019. 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.

**PUCO Form FE-T1:
Transmission Energy Delivery Forecast
(Megawatt-Hours Per Year)^a**

(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 Owner's System Inside Ohio	Energy Receipts from Generation Sources Connected to the System Outside Ohio	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 Ohio	Energy Deliveries at Interconnections with Other Transmission Companies Outside Ohio	Total Energy Deliveries at Interconnections	Total Energy Load Connected to the System	Energy Deliveries For Loads Connected to the System Inside Ohio	Energy Deliveries For Loads Connected to the System Outside Ohio
-5	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	0
-4	4,934,166	5,012,711	9,946,877	499,304	7,029,926	16,976,803	11,960,714	4,616,737	16,577,451	399,352	399,352	0
-3	5,899,936	6,040,323	11,940,259	184,903	5,489,625	17,429,884	12,453,737	4,571,002	17,024,739	405,145	405,145	0
-2	5,801,084	6,345,797	12,146,881	103,563	7,695,520	19,842,401	14,703,850	4,656,271	19,360,121	482,280	482,280	0
-1	5,515,316	5,722,974	11,238,290	342,580	5,842,250	17,080,540	11,043,597	5,319,750	16,363,347	717,193	717,193	0
0										802,587	802,587	0
1										1,008,300	1,008,300	0
2										782,167	782,167	0
3										782,382	782,382	0
4										774,012	774,012	0
5										782,388	782,388	0
6										782,388	782,388	0
7										782,388	782,388	0
8										782,388	782,388	0
9										782,388	782,388	0
10										759,344	759,344	0

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

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

		Native Load ^b		Internal Load ^c	
	Year	Summer	Winter	Summer	Winter ^d
-5	2015	94	145	94	145
-4	2016	90	98	90	98
-3	2017	88	126	88	126
-2	2018	99	141	99	141
-1	2019	101	129	101	129
0	2020	91	136	91	136
1	2021	62	89	62	89
2	2022	62	89	62	89
3	2023	62	89	62	89
4	2024	62	89	62	89
5	2025	62	89	62	89
6	2026	62	89	62	89
7	2027	62	89	62	89
8	2028	62	89	62	89
9	2029	62	89	62	89
10	2030	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.

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

	Ohio Portion ^a	Total Service Area ^b	Total System ^c
Year 0 ^d			
January	48,513*	48,513*	48,513*
February	43,760*	43,760*	43,760*
March	74,794	74,794	74,794
April	73,932	73,932	73,932
May	69,872	69,872	69,872
June	68,632	68,632	68,632
July	68,086	68,086	68,086
August	68,118	68,118	68,118
September	68,281	68,281	68,281
October	69,872	69,872	69,872
November	73,932	73,932	73,932
December	74,794	74,794	74,794
Year 1 ^d			
January	96,497	96,497	96,497
February	94,121	94,121	94,121
March	86,453	86,453	86,453
April	72,761	72,761	72,761
May	74,442	74,442	74,442
June	82,366	82,366	82,366
July	81,849	81,849	81,849
August	81,881	81,881	81,881
September	74,399	74,399	74,399
October	71,936	71,936	71,936
November	95,226	95,226	95,226
December	96,369	96,369	96,369

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 (*).

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

	Ohio Portion ^a	Total Service Area ^b	System ^c
Year 0 ^d			
January	89*	89*	89*
February	89*	89*	89*
March	94	94	94
April	94	94	94
May	89	89	89
June	89	89	89
July	89	89	89
August	89	89	89
September	89	89	89
October	89	89	89
November	94	94	94
December	94	94	94
Year 1 ^d			
January	106	106	106
February	106	106	106
March	106	106	106
April	106	106	106
May	90	90	90
June	90	90	90
July	90	90	90
August	90	90	90
September	90	90	90
October	90	90	90
November	106	106	106
December	106	106	106

(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 (*).

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	1,101,755		1,101,755
Energy Receipts From Other Sources	13,528		13,528
Total Energy Receipts	1,115,283		1,115,283

Reporting Month: February

2. 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	943,261		943,261
Energy Receipts From Other Sources	11,683		11,683
Total Energy Receipts	954,944		954,944

Reporting Month: March

3. 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	1,052,447		1,052,447
Energy Receipts From Other Sources	12,423		12,423
Total Energy Receipts	1,064,869		1,064,869

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

Part A: Sources of Energy

Reporting Month: April

4. 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	506,813		506,813
Energy Receipts From Other Sources	9,303		9,303
Total Energy Receipts	516,116		516,116

Reporting Month: May

5. 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	743,113		743,113
Energy Receipts From Other Sources	9,350		9,350
Total Energy Receipts	743,463		743,463

Reporting Month: June

6. 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	874,364		874,364
Energy Receipts From Other Sources	9,461		9,461
Total Energy Receipts	883,824		883,824

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

Part A: Sources of Energy

Reporting Month: July

7. 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	1,085,688		1,085,688
Energy Receipts From Other Sources	10,462		10,462
Total Energy Receipts	1,096,150		1,096,150

Reporting Month: August

8. 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	952,471		952,471
Energy Receipts From Other Sources	10,499		10,499
Total Energy Receipts	962,970		962,970

Reporting Month: September

9. 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	871,266		871,266
Energy Receipts From Other Sources	9,520		9,520
Total Energy Receipts	880,785		880,785

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

Part A: Sources of Energy

Reporting Month: October

10. 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	947,276		947,276
Energy Receipts From Other Sources	8,527		8,527
Total Energy Receipts	955,803		955,803

Reporting Month: November

11. 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	1,082,544		1,082,544
Energy Receipts From Other Sources	9,844		9,844
Total Energy Receipts	1,092,388		1,092,388

Reporting Month: December

12. 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	1,019,193		1,019,193
Energy Receipts From Other Sources	11,283		11,283
Total Energy Receipts	1,030,476		1,030,476

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	13,528		13,528
For Non-Distribution Service (Transmission to Transmission Service)	1,105,653		1,105,653
Total Energy Deliveries	1,119,181		1,119,181

Reporting Month: January

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

	Firm Transmission	Non-Firm Transmission	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	13,528		13,528
For Non-Distribution Service (Transmission to Transmission Service)	1,064,635		1,064,635
Total Energy Deliveries	1,078,163		1,078,163

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	11,683		11,683
For Non-Distribution Service (Transmission	947,501		947,501
Total Energy Deliveries	959,184		959,184

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	11,683		11,683
For Non-Distribution Service (Transmission	785,386		785,386
Total Energy Deliveries	797,069		797,069

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	12,423		12,423
For Non-Distribution Service (Transmission	1,057,392		1,057,392
Total Energy Deliveries	1,069,815		1,069,815

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	12,423		12,423
For Non-Distribution Service (Transmission	876,477		876,477
Total Energy Deliveries	888,900		888,900

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	9,303		9,303
For Non-Distribution Service (Transmission	510,260		510,260
Total Energy Deliveries	519,563		519,563

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	9,303		9,303
For Non-Distribution Service (Transmission	422,956		422,956
Total Energy Deliveries	432,259		432,259

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	9,350		9,350
For Non-Distribution Service (Transmission	737,859		737,859
Total Energy Deliveries	747,209		747,209

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	9,350		9,350
For Non-Distribution Service (Transmission	611,613		611,613
Total Energy Deliveries	620,963		620,963

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	9,461		9,461
For Non-Distribution Service (Transmission	879,553		879,553
Total Energy Deliveries	889,014		889,014

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	9,461		9,461
For Non-Distribution Service (Transmission	729,063		729,063
Total Energy Deliveries	738,524		738,524

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	10,462		10,462
For Non-Distribution Service (Transmission	1,091,065		1,091,065
Total Energy Deliveries	1,101,527		1,101,527

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	10,462		10,462
For Non-Distribution Service (Transmission	904,387		904,387
Total Energy Deliveries	914,849		914,849

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	10,499		10,499
For Non-Distribution Service (Transmission	957,878		957,878
Total Energy Deliveries	968,377		968,377

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	10,499		10,499
For Non-Distribution Service (Transmission	638,043		638,043
Total Energy Deliveries	648,542		648,542

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	9,520		9,520
For Non-Distribution Service (Transmission)	882,036		882,036
Total Energy Deliveries	891,556		891,556

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	9,520		9,520
For Non-Distribution Service (Transmission)	731,120		731,120
Total Energy Deliveries	740,640		740,640

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	8,527		8,527
For Non-Distribution Service (Transmission	953,130		953,130
Total Energy Deliveries	961,657		961,657

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	8,527		8,527
For Non-Distribution Service (Transmission	790,050		790,050
Total Energy Deliveries	798,577		798,577

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	9,844		9,844
For Non-Distribution Service (Transmission	1,087,701		1,087,701
Total Energy Deliveries	1,097,545		1,097,545

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	9,844		9,844
For Non-Distribution Service (Transmission	901,597		901,597
Total Energy Deliveries	911,441		911,441

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	11,283		11,283
For Non-Distribution Service (Transmission	1,024,325		1,024,325
Total Energy Deliveries	1,035,608		1,035,608

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	11,283		11,283
For Non-Distribution Service (Transmission	849,066		849,066
Total Energy Deliveries	860,349		860,349

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 ^a	-3,898		-3,898

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

Reporting Month: February

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-4,240		-4,240

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

Reporting Month: March

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-4,945		-4,945

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

Reporting Month: April

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-3,447		-3,447

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

* Negative unaccounted for totals are a result of PJM assuming responsibility for load following schedule of DOE load for the Portsmouth, Ohio facility as of 12/1/18. Prior to this date, OVEC had provided this service for load + reserve and losses.

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

Part C: Losses and Unaccounted For (MWh)

Reporting Month: May

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-3,746		-3,746

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

Reporting Month: June

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-5,189		-5,189

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

Reporting Month: July

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-5,377		-5,377

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

Reporting Month: August

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-5,407		-5,407

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

Part C: Losses and Unaccounted For (MWh)

* Negative unaccounted for totals are a result of PJM assuming responsibility for load following schedule of DOE load for the Portsmouth, Ohio facility as of 12/1/18. Prior to this date, OVEC had provided this service for load + reserve and losses.

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

Reporting Month: September

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-10,770		-10,770

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

Reporting Month: October

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-5,854		-5,854

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

Reporting Month: November

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-5,157		-5,157

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

Reporting Month: December

1. Losses and Unaccounted For (MWh)

	Firm Transmission Service	Non-Firm Transmission Services	Total
Sources minus Delivery ^a	-5,132		-5,132

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

* Negative unaccounted for totals are a result of PJM assuming responsibility for load following schedule of DOE load for the Portsmouth, Ohio facility as of 12/1/18. Prior to this date, OVEC had provided this service for load + reserve and losses.

**PUCO Form FE-T7:
Characteristics of Existing Transmission Lines**

Transmission Name & Line No. ^a 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. and Number of 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-Sporm 1* AEP	Kyger Creek Cheshire, OH	1017	1305	1287	1506	345	345	0.4 **	150	Steel towers	1	1	
Kyger-Sporm 2* AEP	Kyger Creek Cheshire, OH	971	1166	1234	1481	345	345	0.4 **	150	Steel towers	1 ***	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	1193	345	345	0.4 **	150	Steel towers	2	2	
Pierce-Dearborn * 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-Buffington * 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 Sporm Station in WV and became a second Kyger Creek-Sporm 345 kV circuit. The Ohio portion of this circuit will remain unchanged. Under PJM Project B2832, the Sporm-Kyger 1 & 2 circuits will be 6 wired in 12/1/21 (estimated).

***** Kyger Creek – Marquis created from former Kyger Creek – DOE X533 #2 and DOE X533 #1 and Marquis circuits. Kyger Creek – Pierce created from former Kyger Creek – DOE X533 #1 and – 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

Not Applicable- Requirement Waived by Entry Dated April 7, 2020

This foregoing document was electronically filed with the Public Utilities

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Case No(s). 20-0500-EL-FOR

Summary: Report -Ohio Valley Electric Corporation Long-Term Forecast Report to The Public Utilities Commission of Ohio electronically filed by Ms. Christen M. Blend on behalf of Ohio Valley Electric Corporation and Brian Chisling