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VIA ELECTRONIC FILING

August 23, 2018

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

Related

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 the second supplement to its Long-Term Forecast Report as indicated in its supplemental filing of August 15, 2018. The second supplemental filing provides information in its FE-R forms regarding the monthly forecast of service area peak load and resources dedicated to meet Ohio service area peak load. Also included for filing is a second supplemental affidavit, as required by O.A.C 4901:5-1-03(D), to support the complete second supplemental filing.

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

Very truly yours,

Elizabeth J. Warts
Elizabeth H. Watts

Enclosure

STATEMENT

OF

AMY B. SPILLER

PRESIDENT, DUKE ENERGY OHIO, INC.

I, Amy B. Spiller, President of Duke Energy Ohio, Inc., hereby certify that the Second Supplement to 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.

Amy B. Spiller

President

Duke Energy Ohio, Inc.

PUCO Form FE-R1:

Monthly Forecast of Electric Utility's Ohio Service Area Peak Load and Resources Dedicated to Meet Ohio Service Area Peak Load (Megawatts)

						20	2018					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability												
Purchases d	5020	5020	5020	5020	5020	4970	4970	4970	4970	4970	4970	4970
Sales												
Renewable												
Available Capability	5020	5020	5020	5020	5020	4970	4970	4970	4970	4970	4970	4970
Native Load	3,695	3,441	3,020	2,825	3,457	3,914	4,048	3,994	3,863	2,810	3,019	3,285
Energy Reduction Programs ^c	ည	2	2	S	8	114	114	114	114	15	15	15
Available Reserve	1,320	1,575	1,995	2,190	1,483	942	808	862	993	2,145	1.936	1,670
Internal Load ^a	3,700	3,445	3,025	2,830	3,537	4,028	4,161	4,108	3,977	2,825	3,034	3,300
Reserve	1,320	1,575	1,995	2,190	1,483	942	808	862	993	2,145	1,936	1,670
						20	2019					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability						W.						
Net Seasonal Capability												
Purchases d	4970	4970	4970	4970	4970	4801	4801	4801	4801	4801	4801	4801
Sales												
Renewable												
Available Capability	4970	4970	4970	4970	4970	4801	4801	4801	4801	4801	4801	4801
Native Load	3,709	3,452	3,030	2,833	3,473	3,921	4,055	4,001	3,871	2,827	3,035	3,303
Energy Reduction Programs ^c	15	15	15	12	29	119	119	119	119	10	16	9
Available Reserve	1,246	1,503	1,925	2,122	1,418	200	626	680	810	1,958	1,750	1,482
Internal Load ^a	3,724	3,467	3,045	2,848	3,552	4,041	4,174	4,121	3,991	2,842	3,050	3,318
Reserve e	1,246	1,503	1,925	2,122	1,418	200	626	680	810	1,958	1,750	1,482

a. Internal Load equals Native Load plus Interruptible Load.

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

c. Includes both energy efficiency and demand response

d. All capacity and energy obligations are served through Certified Retail Electric Suppliers (CRES) or through suppliers for the Standard Service Offer (SSO)

e. Reflects assumption of PJM unforced capacity obligation margin of 12% of summer peak

Monthly Forecast of System Peak Load and Resources Dedicated to Meet System Peak Load PUCO Form FE-R2: (Megawatts)

						20	2018						
	Jan	Feb	Mar	Apr	May	Jun	Jul	Ang	Sep	Oct	Nov	Dec	
Net Demonstrated Capability													
Purchases ^c	5020	5020	5020	5020	5020	4970	4970	4970	4970	4970	4970	4970	
Sales													
Available Capability	5020	5020	5020	5020	5020	4970	4970	4970	4970	4970	4970	4970	
Native Load	3,695	3,441	3,020	2,825	3,457	3,914	4,048	3,994	3,863	2,810	3,019	3,285	
Available Reserve	1,325	1,579	2,000	2,195	1,563	1,056	922	926	1,107	2,160	1,951	1,685	
Internal Load ^a	3,700	3,445	3,025	2,830	3,537	4,028	4,161	4,108	3,977	2,825	3,034	3,300	
Reserve	1,320	1,575	1,995	2,190	1,483	942	809	862	993	2,145	1,936	1,670	
							10						
						20	2019						
	Jan	Feb	Mar	Apr	May	Jun	Jnc	Aug	Sep	Oct	Nov	Dec	
Net Demonstrated Capability Net Seasonal Capability													
Purchases ^c	4970	4970	4970	4970	4970	4801	4801	4801	4801	4801	4801	4801	
Sales													
Available Capability	4970	4970	4970	4970	4970	4801	4801	4801	4801	4801	4801	4801	
Native Load	3,709	3,452	3,030	2,833	3,473	3,921	4,055	4,001	3,871	2,827	3,035	3,303	
Available Reserve	1,261	1,518	1,940	2,137	1,497	879	746	799	929	1,974	1,766	1,498	
Internal Load ^a	3,724	3,467	3,045	2,848	3,552	4,041	4,174	4,121	3,991	2,842	3,050	3,318	
Reserve d	1,246	1,503	1,925	2,122	1,418	200	626	089	810	1,958	1,750	1,482	

a. Internal Load equals Native Load plus Interruptible Load.

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

c. All capacity and energy obligations are served through Certified Retail Electric Suppliers (CRES) or through suppliers for the Standard Service Offer (SSO)

d. Reflects assumption of PJM unforced capacity obligation margin of 12% of summer peak

PUCO Form FE-R3: Summary of Existing Electric Generation Facilities for the System (as of 12/31/2017)

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

NOT APPLICABLE

PUCO Form FE-R4: Actual Generating Capability Dedicated to Meet Ohio Peak Load (as of 12/31/2017)

	Unit De	esignation	Seasonal
Year/Season	Unit Name	Description	Total

NOT APPLICABLE

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

	Unit De	signation	Capability	Seasonal
Year/Season	Unit Name	Description	Changes	Total

Duke Energy Ohio does not own or operate generation, nor intend to, for the duration of this forecast

PUCO Form FE-R6: Electric Utility's Actual and Forecast Ohio Peak Load and Resources

Dedicated to Meet Electric Utility's Ohio Peak Load

(Megawatts) Summer Season

	(-5) 2013	(-4) 2014	(-3) 2015	(-2) 2016	(-1) 2017	(0)	(1)	(2)
Net Demonstrated Capability Net Seasonal Capability Purchases ^d Sales	5240	5270	5310	5080	5020	4970	4801	4813
Renewable Available Capability ^a Native Load Eneroy Reduction Programs ^c	5240 4167 0	5270 4053 0	5310 4049 0	5080 4427 0	5020 3957 0	4970 4048 114	4801 4055 119	4813 4066 119
Available Reserve Internal Load ^b Reserve [®]	1073 4167 1073	1217 4053 1217	1261 4049 1261	653 4427 653	1063 3957 1063	809 4161 809	626 4174 626	628 4185 628
	(3) 2021	2022	(5) 2023	(6)	(7) 2025	(8) 2026	(9) 2027	(10) 2028
Net Demonstrated Capability Net Seasonal Capability Purchases ^d Sales	4820	4831	4843	4854	4855	4866	4874	4891
Available Capability ^a Native Load Energy Reduction Programs ^c	4820 4066 125	4831 4074 127	4843 4085 127	4854 4094 127	4855 4095 127	4866 4104 127	4874 4112 127	4891 4126 127
Available Reserve Internal Load ^b	4191	630 4201	632 4212	633	633	635 4231	636 4239	638 4253
Keserve *	679	630	632	633	633	635	636	638

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

b. Internal Load equals Native Load plus Interruptible Load.

c. Includes both energy efficiency and demand response

d. All capacity and energy obligations are served through Certified Retail Electric Suppliers (CRES) or through suppliers for the Standard Service Offer (SSO)

e. Reflects assumption of PJM unforced capacity obligation margin of 12% of summer peak in future periods

PUCO Form FE-R7:

Actual and Forecast System Peak Load and Resources Dedicated to Meet System Peak Load

(Megawatts) Summer Season

(-5) (-4) (-3) (-2) (-1) (-1) (0) (1) (1) (2) (2018 2013 2014 2015 2016 2017 2018 2019 2020 Net Demonstrated Capability									
ases \$\begin{align*}{c c c c c c c c c c c c c c c c c c c		(-5) 2013	(4) 2014	(-3) 2015	(-2) 2016	(-1) 2017	(0) 2018	(1) 2019	(2) 2020
ble Capability	Net Demonstrated Capability								
ble Capability	urchases capability	5240	5270	5310	2080	5020	4970	4801	4813
ble Reserve 4,167 4,053 4,049 4,427 3,957 4,048 4,055 746 1,073 1,217 1,261 653 1,063 922 746 4,167 4,053 4,049 4,427 3,957 4,161 4,174 4,167 4,053 4,049 4,427 3,957 4,161 4,174 1,073 1,217 1,261 653 1,063 809 626 2021 2022 2023 2024 2025 2026 2027 2021 2022 2023 2024 2025 2026 2027 2021 2022 2023 2024 2025 2026 2027 2021 2022 2023 2024 2025 2026 2027 2021 2022 2023 2024 2025 2026 2027 2021 2022 2023 2024 2025 2026 2027 2021 2022 2023 2024 2025 2026 2027 2021 2022 2023 2024 2025 2026 2027 2022 2023 2024 2025 2026 2027 2027 2027 2025 2025 2026 2027 2027 2027 2025 2025 2026 2027 2027 2027 2025 2026 2027 2027 2027 2025 2025 2026 2027 2027 2027 2025 2025 2026 2027 2027 2027 2025 2025 2025 2026 2027 2027 2027 2025 2025 2025 2026 2027 2027 2027 2025 2025 2025 2025 2027 2027 2027 2025 2025 2025 2025 2027 2027 2027 2027 2027 2027 2027 20	iales vailable Capabilitv ^a	5240	5270	5310	5080	5020	4970	4801	4813
ble Reserve 1,073 1,217 1,261 653 1,063 922 746 4,167 4,167 4,053 4,049 4,427 3,957 4,161 4,174 4,174 1,261 653 1,063 809 626 626 1,073 1,217 1,261 653 1,063 809 626 626 1,073 2021 2022 2023 2024 2025 2026 2027 2027 2021 2022 2023 2024 2025 2026 2027 2027 2021 2022 2023 2024 2025 2026 2027 2027 2021 2022 4,174 4,085 4,094 4,095 4,104 4,112 ble Reserve 753 757 759 760 760 760 762 763 636 636 639 632 633 633 635 636	ative Load	4,167	4,053	4.049	4.427	3.957	4.048	4.055	4,066
al Load b 4,167 4,053 4,049 4,427 3,957 4,161 4,174 b 653 1,063 809 626 626 1,073 1,217 1,261 653 1,063 809 626 626 2021 2021 2022 2023 2024 2025 2026 2027 2027 assonal Capability 4820 4831 4843 4854 4855 4866 4874 b 629 630 632 633 635 636 636	vailable Reserve	1,073	1.217	1,261	653	1,063	922	746	747
ve ⁴ 1,073 1,217 1,261 653 1,063 809 626 (3) (4) (5) (6) (7) (8) (9) 2021 2022 2023 2024 2025 2026 2027 assonal Capability ases ^c ble Capability Load Load 4,066 4,074 4,085 4,094 4,095 4,104 4,112 T53 757 759 760 760 762 763 e ^d 629 630 632 633 633 635 636	iternal Load ^b	4,167	4,053	4,049	4,427	3,957	4,161	4,174	4,185
(3) (4) (5) (6) (7) (8) (9) (9) (2021 2022 2023 2024 2025 2026 2027 2027 2021 2022 2023 2024 2025 2026 2027 2027 2021 2022 2023 2024 2025 2026 2027 2027 2026 2027 2026 2027 2026 2027 2026 2027 2026 2027 2026 2027 2026 2027 2026 2027 2026 2027 2026 2027 2026 2027 2026 2027 2026 2027 2026 2027 2027	eserve ^d	1,073	1,217	1,261	653	1,063	808	626	628
assonal Capability asses capability 4820 4831 4843 4854 4855 4866 4874 Load Load Load Load A,106 4,074 4,085 4,094 4,095 4,112 A,221 4,221 4,231 4,239 A,1191 4,201 4,212 4,221 4,231 4,239 A,204 630 632 633 635 636		(3)	(4)	(5)	(6) 2024	(7) 2025	(8) 2026	(9)	(10)
ble Capability 4820 4831 4843 4854 4855 4866 4874 ble Capability 4820 4831 4843 4854 4855 4866 4874 Load 4,066 4,074 4,085 4,094 4,095 4,104 4,112 ble Reserve 753 757 759 760 760 762 763 all Load 4,191 4,201 4,212 4,221 4,231 4,239 ve 629 630 632 633 635 636	et Demonstrated Capability et Seasonal Capability								
ble Capability* 4820 4831 4843 4854 4855 4866 4874 Load 4,066 4,074 4,085 4,094 4,095 4,104 4,112 ble Reserve 753 757 759 760 760 762 763 al Load* 4,191 4,201 4,212 4,221 4,231 4,239 ve** 629 630 632 633 635 636	urchases ^c ales	4820	4831	4843	4854	4855	4866	4874	4891
4,066 4,074 4,085 4,094 4,095 4,104 4,112 753 757 759 760 762 763 4,191 4,212 4,221 4,222 4,231 4,239 629 630 632 633 635 636	vailable Capability ^a	4820	4831	4843	4854	4855	4866	4874	4891
753 757 759 760 762 763 4,191 4,201 4,212 4,221 4,231 4,239 629 630 632 633 635 636	ative Load	4,066	4.074	4,085	4,094	4,095	4,104	4,112	4,126
4,191 4,201 4,212 4,221 4,222 4,231 4,239 4 629 630 632 633 635 636	vailable Reserve	753	757	759	760	260	762	763	765
629 630 632 633 635 636	itemal Load ^b	4,191	4,201	4,212	4,221	4,222	4,231	4,239	4,253
	eserve d	629	630	632	633	633	635	636	638

a. Available Capability is equal to Net Seasonal Capability plus Purchases minus Sales.
 b. Internal Load equals Native Load plus Interruptible Load.

c. All capacity and energy obligations are served through Certified Retail Electric Suppliers (CRES) or through suppliers for the Standard Service Offer (SSO)

d. Reflects assumption of PJM unforced capacity obligation margin of 12% of summer peak in future periods

PUCO Form FE-R8:

Electric Utility's Actual and Forecast Ohio Peak Load and Resources Dedicated to Meet Electric Utility's Ohio Peak Load

(Megawatts) Winter Season

	(-5) 2013	(4) 2014	(-3) 2015	(-2) 2016	(-1) 2017	(0) 2018	(1) 2019	(2) 2020
Net Demonstrated Capability Net Seasonal Capability Purchases d Sales	5240	5270	5310	5080	5020	4970	4801	4813
Renewable Available Capability ^a Native Load Enerov Reduction Programs ^c	5240 3052 0	5270 3662 0	5310 3702 0	5080 3417 0	5020 3713 0	4970 3724 0	4801 3735 0	4813 3736 0
Available Reserve Internal Load ^b Reserve [®]	2,188 3,052 2,188	1,608 3,662 1,608	1,608 3,702 1,608	1,663 3,417 1,663	1,307 3,713 1,307	1,246 3,724 1,246	1,065 3,735 1,065	1,077 3,736 1,077
	(3)	(4) 2022	(5) 2023	(6) 2024	(7)	(8) 2026	(9) 2027	(10) 2028
Net Demonstrated Capability Net Seasonal Capability Purchases ^d Sales	4820	4831	4843	4854	4855	4866	4874	4891
Renewable Available Capability³ Native Load Energy Reduction Programs° Available Reserve Internal Load°	4820 3750 0 1070 3750	4831 3764 0 1067 3764	4843 3784 0 1059 3784 1059	4854 3781 0 1073 3781	4855 3789 0 1066 3789 1066	4866 3796 0 1069 3796 1069	4874 3814 0 1061 3814	4891 3814 0 1076 3814

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

b. Internal Load equals Native Load plus Interruptible Load.

c. Includes both energy efficiency and demand response

d. All capacity and energy obligations are served through Certified Retail Electric Suppliers (CRES) or through suppliers for the Standard Service Offer (SSO)

e. Reflects assumption of PJM unforced capacity obligation margin of 12% of summer peak in future periods

PUCO Form FE-R9:

Actual and Forecast System Peak Load and Resources Dedicated to Meet System Peak Load (Megawatts) Winter Season

	(-5) 2013	(-4) 2014	(-3) 2015	(-2) 2016	(-1) 2017	(0)	(1) 2019	(2)
Net Demonstrated Capability Net Seasonal Capability						u san		
Purchases ^c Sales	5240	5270	5310	2080	5020	4970	4801	4813
Available Capability ^a	5240	5270	5310	5080	5020	4970	4801	4813
Native Load	3052	3662	3702	3417	3713	3724	3735	3736
Available Reserve	2188	1608	1608	1663	1307	1246	1065	1077
Internal Load ^b	3052	3662	3702	3417	3713	3724	3735	3736
Reserve ^d	2188	1608	1608	1663	1307	1246	1065	1077
	(3)	(4)	(5) 2023	(6) 2024	(7)	(8) 2026	(9)	(10)
Net Demonstrated Capability Net Seasonal Capability								
Purchases ^c Sales	4820	4831	4843	4854	4855	4866	4874	4891
Available Capability ^a	4820	4831	4843	4854	4855	4866	4874	4891
Native Load	3750	3764	3784	3781	3789	3796	3814	3814
Available Reserve	1070	1067	1059	1073	1066	1069	1061	1076
Internal Load ^b	3750	3764	3784	3781	3789	3796	3814	3814
Reserve d	1070	1067	1059	1073	1066	1069	1061	1076

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

b. Internal Load equals Native Load plus Interruptible Load.

c. All capacity and energy obligations are served through Certified Retail Electric Suppliers (CRES) or through suppliers for the Standard Service Offer (SSO)

d. Reflects assumption of PJM unforced capacity obligation margin of 12% of summer peak in future periods

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

- 1. Facility Name
- 2. Facility Location
- 3. Facility Type
- 4. Anticipated Capability
- 5. Anticipated Capital Cost
- 6. Application Timing
- 7. Construction Timing
- 8. Planned Pollution Control Measures
- 9. Fuel
- 10. Miscellaneous

NOT APPLICABLE

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

8/23/2018 2:21:29 PM

in

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, Case No. 18-484-EL-FOR electronically filed by Mrs. Debbie L Gates on behalf of Duke Energy Ohio Inc. and D'Ascenzo, Rocco O. Mr. and Watts, Elizabeth H