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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

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 H. Watts DBK

Elizabeth H. Watts

Enclosure

635248

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)

2018	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability												
Net Seasonal 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]	5	5	5	5	80	114	114	114	114	15	15	15
Available Reserve	1,320	1,575	1,995	2,190	1,483	942	809	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	809	862	993	2,145	1,936	1,670

2019	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability												
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	15	79	119	119	119	119	16	16	16
Available Reserve	1,246	1,503	1,925	2,122	1,418	760	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	760	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 obligtions 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

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

2018	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Net Demonstrated Capability												
Net Seasonal 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	976	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

2019	Jan	Feb	Mar	Apr	May	Jun	Jul	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	760	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. All capacity and energy obligtions 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)

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

NOT APPLICABLE

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

	Unit Designation		Seasonal
Year/Season	Unit Name	Description	Total

NOT APPLICABLE

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

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

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) 2018	(1) 2019	(2) 2020
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases [d]	5240	5270	5310	5080	5020	4970	4801	4813
Sales								
Renewable								
Available Capability[a]	5240	5270	5310	5080	5020	4970	4801	4813
Native Load	4167	4053	4049	4427	3957	4048	4055	4066
Energy Reduction Programs[c]	0	0	0	0	0	114	119	119
Available Reserve	1073	1217	1261	653	1063	809	626	628
Internal Load[b]	4167	4053	4049	4427	3957	4161	4174	4185
Reserve [e]	1073	1217	1261	653	1063	809	626	628

	(3) 2021	(4) 2022	(5) 2023	(6) 2024	(7) 2025	(8) 2026	(9) 2027	(10) 2028
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases [d]	4820	4831	4843	4854	4855	4866	4874	4891
Sales								
Renewable								
Available Capability[a]	4820	4831	4843	4854	4855	4866	4874	4891
Native Load	4066	4074	4085	4094	4095	4104	4112	4126
Energy Reduction Programs[c]	125	127	127	127	127	127	127	127
Available Reserve	629	630	632	633	633	635	636	638
Internal Load[b]	4191	4201	4212	4221	4222	4231	4239	4253
Reserve [e]	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. Includes both energy efficiency and demand response

d. All capacity and energy obligtions 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) 2013	(-4) 2014	(-3) 2015	(-2) 2016	(-1) 2017	(0) 2018	(1) 2019	(2) 2020
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases [c]	5240	5270	5310	5080	5020	4970	4801	4813
Sales								
Available Capability[a]	5240	5270	5310	5080	5020	4970	4801	4813
Native Load	4,167	4,053	4,049	4,427	3,957	4,048	4,055	4,066
Available Reserve	1,073	1,217	1,261	653	1,063	922	746	747
Internal Load[b]	4,167	4,053	4,049	4,427	3,957	4,161	4,174	4,185
Reserve [d]	1,073	1,217	1,261	653	1,063	809	626	628

	(3) 2021	(4) 2022	(5) 2023	(6) 2024	(7) 2025	(8) 2026	(9) 2027	(10) 2028
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases [c]	4820	4831	4843	4854	4855	4866	4874	4891
Sales								
Available Capability[a]	4820	4831	4843	4854	4855	4866	4874	4891
Native Load	4,066	4,074	4,085	4,094	4,095	4,104	4,112	4,126
Available Reserve	753	757	759	760	760	762	763	765
Internal Load[b]	4,191	4,201	4,212	4,221	4,222	4,231	4,239	4,253
Reserve [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 obligtions 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]	5240	5270	5310	5080	5020	4970	4801	4813
Sales								
Renewable								
Available Capability[a]	5240	5270	5310	5080	5020	4970	4801	4813
Native Load	3052	3662	3702	3417	3713	3724	3735	3736
Energy Reduction Programs[c]	0	0	0	0	0	0	0	0
Available Reserve	2,188	1,608	1,608	1,663	1,307	1,246	1,065	1,077
Internal Load[b]	3,052	3,662	3,702	3,417	3,713	3,724	3,735	3,736
Reserve [e]	2,188	1,608	1,608	1,663	1,307	1,246	1,065	1,077

	(3) 2021	(4) 2022	(5) 2023	(6) 2024	(7) 2025	(8) 2026	(9) 2027	(10) 2028
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases [d]	4820	4831	4843	4854	4855	4866	4874	4891
Sales								
Renewable								
Available Capability[a]	4820	4831	4843	4854	4855	4866	4874	4891
Native Load	3750	3764	3784	3781	3789	3796	3814	3814
Energy Reduction Programs[c]	0	0	0	0	0	0	0	0
Available Reserve	1070	1067	1059	1073	1066	1069	1061	1076
Internal Load[b]	3750	3764	3784	3781	3789	3796	3814	3814
Reserve [e]	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. Includes both energy efficiency and demand response

d. All capacity and energy obligtions 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) 2018	(1) 2019	(2) 2020
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases [c]	5240	5270	5310	5080	5020	4970	4801	4813
Sales								
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) 2021	(4) 2022	(5) 2023	(6) 2024	(7) 2025	(8) 2026	(9) 2027	(10) 2028
Net Demonstrated Capability								
Net Seasonal Capability								
Purchases [c]	4820	4831	4843	4854	4855	4866	4874	4891
Sales								
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 obligtions 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 — **NOT APPLICABLE**
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

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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