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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 
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)

| | 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 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

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 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)

| 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)

| Year/Season | Unit Name | Unit Designation Description | Seasonal 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 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) 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 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 | 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 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) 2018 | (1) 2019 | (2) 2020 |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|--------------|
| Net Demonstrated Capability | | | | | | | | |
| Net Seasonal Capability | 5240 | 5270 | 5310 | 5080 | 5020 | 4970 | 4801 | 4813 |
| Purchases ^c | | | | | | | | |
| 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 | 4820 | 4831 | 4843 | 4854 | 4855 | 4866 | 4874 | 4891 |
| Purchases ^c | | | | | | | | |
| 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 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 **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

This foregoing document was electronically filed with the Public Utilities

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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