

Purchased Power Expense

UPDATE:

Purchased Power expense has been updated to reflect the annualized expense that is expected to be realized by (a) Aqua North Carolina Water and Sewer (b) Brookwood Water and (c) Fairways Utilities Water and Sewer going forward.

This Item 18 adjustment has been made to update this expense to the actuals/per books amounts for the twelve-month period ended March 31, 2020.

In October 2019, Duke has filed for a rate increase. The amounts presented in this schedule could be impacted by that rate proceeding (E-2 Sub 1219)

- Purchase Power Expense – Summary by GL Account (ITEM 18 Purchased Power). This schedule provides Rate Division and GL Account detail comparing the test year (Sum of TY Amt) power expense vs. the expense for the 12 months ended 3/31/2020 (Sum of TTM Amt). **The difference of +\$117,502.83 is being submitted as an Item 18 adjustment amount.**
- Purchase Power Expense – Summary of Account Detail (ITEM 18 Purchased Power-KwH Sheet-Summary). This schedule provides a summary by Rate Division of the detail account information with KwH and Expense totals for each of the twelve months from April 2019 – March 2020.

The schedules referenced above reflect and support the appropriate amount of Purchased Power expense the Company expects to incur during the first year that rates are in effect as a result of this application, **pending the outcome of the rate filing made by Duke Energy Progress (E-2 Sub 1219).**

PURCHASED POWER - Summary by GL Account
Twelve Month Period 04/01/2019 - 03/31/2020

W-218 Sub 526

ITEM 18
Purchased Power

| Line# | (a) | (b) | (c) | (d) |
|-------|---------------------------------------|-----------------------|-----------------------|---------------------|
| 1 | Row Labels | Sum of TY Amt | Sum of TTM Amt | Sum of Change |
| 2 | AQUA NC Sewer | \$1,062,579.49 | \$1,074,247.96 | \$11,668.47 |
| 3 | 715100 SW-Purchased PWR-Collect Oper | \$1,029,109.12 | \$1,048,750.43 | \$19,641.31 |
| 4 | 715800 SW-Purchased PWR-A&G | \$7,078.44 | \$6,179.04 | (\$899.40) |
| 5 | 716100 SW-Fuel PWR Prod-Collect Oper | \$26,391.93 | \$19,318.49 | (\$7,073.44) |
| 6 | AQUA NC Water | \$2,266,392.45 | \$2,367,415.07 | \$101,022.62 |
| 7 | 615100 WT-Purchased Power-SOURCE OPER | \$2,236,380.48 | \$2,340,396.92 | \$104,016.44 |
| 8 | 615800 WT-Purchased Power-A & G EXPS | \$28,843.08 | \$28,588.69 | (\$254.39) |
| 9 | 616100 WT-Fuel PWR Prod-SOURCE OPER | \$1,083.51 | (\$1,570.54) | (\$2,654.05) |
| 10 | 616300 WT-Fuel PWR Prod-TREAT OPER | \$0.00 | | \$0.00 |
| 11 | 616500 WT-Fuel PWR Prod-T&D OPER | \$85.38 | \$0.00 | (\$85.38) |
| 12 | Brookwood Water | \$262,845.90 | \$270,386.34 | \$7,540.44 |
| 13 | 615100 WT-Purchased Power-SOURCE OPER | \$259,322.48 | \$268,458.63 | \$9,136.15 |
| 14 | 615800 WT-Purchased Power-A & G EXPS | \$2,622.39 | \$2,540.92 | (\$81.47) |
| 15 | 616100 WT-Fuel PWR Prod-SOURCE OPER | \$901.03 | (\$613.21) | (\$1,514.24) |
| 16 | FAIRWAYS Sewer | \$111,923.93 | \$109,557.93 | (\$2,366.00) |
| 17 | 715100 SW-Purchased PWR-Collect Oper | \$111,238.00 | \$106,911.62 | (\$4,326.38) |
| 18 | 715800 SW-Purchased PWR-A&G | \$1,060.19 | \$1,077.31 | \$17.12 |
| 19 | 716100 SW-Fuel PWR Prod-Collect Oper | (\$374.26) | \$1,569.00 | \$1,943.26 |
| 20 | FAIRWAYS Water | \$75,741.24 | \$75,378.54 | (\$362.70) |
| 21 | 615100 WT-Purchased Power-SOURCE OPER | \$74,992.65 | \$74,138.11 | (\$854.54) |
| 22 | 615800 WT-Purchased Power-A & G EXPS | \$1,528.26 | \$1,449.52 | (\$78.74) |
| 23 | 616100 WT-Fuel PWR Prod-SOURCE OPER | (\$779.67) | (\$209.09) | \$570.58 |
| 24 | Grand Total | \$3,779,483.01 | \$3,896,985.84 | \$117,502.83 |
| 25 | | Exhibit B3-e, line 25 | | Item 18 Adjustment |
| 26 | | | | col. C less col. B |
| 27 | | | | |

PURCHASED POWER - Summary of Account Detail
Twelve Month Period 04/01/2019 - 03/31/2020

W-218 Sub 526

ITEM 18
KwH Sheet Summary

| Line | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) |
|------|-------------------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|
| 1 | TWELVE MONTHS ENDED 3/31/2020 | | | | | | | |
| 2 | Row Labels | Sum of 04.19 KWH | Sum of 04.19 \$\$\$ | Sum of 05.19 KWH | Sum of 05.19 \$\$\$ | Sum of 06.19 KWH | Sum of 06.19 \$\$\$ | Sum of 07.19 KWH |
| 3 | AQUA NC Sewer | 828,838 | \$81,641.36 | 843,814 | \$86,776.53 | 846,787 | \$82,972.84 | 816,156 |
| 4 | CAR | 370,671 | \$38,363.69 | 373,903 | \$44,583.37 | 373,628 | \$38,665.19 | 332,892 |
| 5 | DEN | 246,686 | \$22,618.26 | 244,318 | \$21,273.84 | 245,969 | \$22,437.80 | 242,416 |
| 6 | FAY | 24,612 | \$2,591.39 | 28,811 | \$2,830.11 | 25,305 | \$2,524.00 | 24,646 |
| 7 | KER | 101,072 | \$9,194.16 | 97,182 | \$8,013.40 | 98,317 | \$9,038.84 | 98,914 |
| 8 | WIL | 85,797 | \$8,873.86 | 99,600 | \$10,075.81 | 103,568 | \$10,307.01 | 117,288 |
| 9 | AQUA NC Water | 1,208,467 | \$182,309.28 | 1,156,258 | \$175,021.08 | 1,281,462 | \$194,653.92 | 1,401,144 |
| 10 | CAR | 685,060 | \$103,546.04 | 660,744 | \$100,719.39 | 845,993 | \$120,001.27 | 936,178 |
| 11 | DEN | 312,087 | \$47,038.33 | 324,643 | \$47,214.66 | 265,900 | \$48,173.50 | 314,231 |
| 12 | FAY | 5,055 | \$797.78 | 4,332 | \$714.93 | 4,654 | \$747.67 | 4,653 |
| 13 | KER | 198,762 | \$29,718.54 | 159,211 | \$25,158.68 | 155,300 | \$24,270.35 | 137,808 |
| 14 | WIL | 7,503 | \$1,208.59 | 7,328 | \$1,213.42 | 9,615 | \$1,461.13 | 8,274 |
| 15 | Brookwood Water | 176,743 | \$22,368.60 | 156,952 | \$20,130.82 | 187,254 | \$23,257.40 | 181,559 |
| 16 | FAY | 176,743 | \$22,368.60 | 156,952 | \$20,130.82 | 187,254 | \$23,257.40 | 181,559 |
| 17 | FAIRWAYS Sewer | 86,108 | \$9,022.62 | 95,143 | \$9,212.64 | 87,734 | \$9,203.67 | 82,631 |
| 18 | WIL | 86,108 | \$9,022.62 | 95,143 | \$9,212.64 | 87,734 | \$9,203.67 | 82,631 |
| 19 | FAIRWAYS Water | 25,804 | \$3,914.81 | 50,751 | \$6,111.59 | 79,247 | \$8,617.43 | 69,955 |
| 20 | WIL | 25,804 | \$3,914.81 | 50,751 | \$6,111.59 | 79,247 | \$8,617.43 | 69,955 |
| 21 | Grand Total | 2,325,960 | \$299,256.67 | 2,302,918 | \$297,252.66 | 2,482,484 | \$318,705.26 | 2,551,445 |
| 22 | Cost per KwH | | \$ 0.129 | | \$ 0.129 | | \$ 0.128 | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |

PURCHASED POWER - Summary of Account
Twelve Month Period 04/01/2019 - 03/31/2020

W-218 Sub 526

ITEM 18
KwH Sheet Summary

| Line | (a) | (i) | (j) | (k) | (l) | (m) | (n) | (o) |
|------|-------------------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|
| 1 | TWELVE MONTHS ENDED 3/31/2020 | | | | | | | |
| 2 | Row Labels | Sum of 07.19 \$\$\$ | Sum of 08.19 KWH | Sum of 08.19 \$\$\$ | Sum of 09.19 KWH | Sum of 09.19 \$\$\$ | Sum of 10.19 KWH | Sum of 10.19 \$\$\$ |
| 3 | AQUA NC Sewer | \$85,279.73 | 878,942 | \$87,527.52 | 867,770 | \$89,981.26 | 858,013 | \$93,660.08 |
| 4 | CAR | \$38,472.84 | 389,292 | \$40,681.71 | 356,549 | \$41,010.79 | 354,950 | \$45,059.95 |
| 5 | DEN | \$23,115.36 | 250,374 | \$23,589.99 | 253,530 | \$23,802.10 | 244,485 | \$23,385.01 |
| 6 | FAY | \$2,542.29 | 27,557 | \$2,662.32 | 24,564 | \$2,513.68 | 26,135 | \$2,588.30 |
| 7 | KER | \$9,559.57 | 104,183 | \$9,970.66 | 99,172 | \$9,657.65 | 95,779 | \$9,550.74 |
| 8 | WIL | \$11,589.67 | 107,536 | \$10,622.84 | 133,955 | \$12,997.04 | 136,664 | \$13,076.08 |
| 9 | AQUA NC Water | \$201,328.53 | 1,434,107 | \$203,218.88 | 1,413,327 | \$205,172.52 | 1,466,094 | \$209,174.74 |
| 10 | CAR | \$129,238.06 | 904,586 | \$124,863.95 | 850,331 | \$120,205.27 | 926,302 | \$127,722.46 |
| 11 | DEN | \$47,723.56 | 354,221 | \$51,269.67 | 389,903 | \$58,026.05 | 363,049 | \$53,483.62 |
| 12 | FAY | \$749.47 | 2,904 | \$558.16 | 3,151 | \$584.83 | 3,463 | \$613.45 |
| 13 | KER | \$22,299.75 | 163,617 | \$25,162.90 | 161,988 | \$25,177.46 | 166,300 | \$26,281.72 |
| 14 | WIL | \$1,317.69 | 8,779 | \$1,364.20 | 7,954 | \$1,178.91 | 6,980 | \$1,073.49 |
| 15 | Brookwood Water | \$22,875.01 | 177,377 | \$49,235.29 | 163,985 | \$20,978.58 | 173,068 | \$21,447.99 |
| 16 | FAY | \$22,875.01 | 177,377 | \$49,235.29 | 163,985 | \$20,978.58 | 173,068 | \$21,447.99 |
| 17 | FAIRWAYS Sewer | \$8,877.97 | 83,177 | \$9,033.50 | 95,917 | \$10,085.77 | 77,947 | \$8,481.90 |
| 18 | WIL | \$8,877.97 | 83,177 | \$9,033.50 | 95,917 | \$10,085.77 | 77,947 | \$8,481.90 |
| 19 | FAIRWAYS Water | \$7,978.69 | 78,231 | \$8,536.07 | 72,765 | \$7,999.88 | 65,692 | \$7,391.52 |
| 20 | WIL | \$7,978.69 | 78,231 | \$8,536.07 | 72,765 | \$7,999.88 | 65,692 | \$7,391.52 |
| 21 | Grand Total | \$326,339.93 | 2,651,834 | \$357,551.26 | 2,613,764 | \$334,218.01 | 2,640,815 | \$340,156.23 |
| 22 | Cost per KwH | \$ 0.128 | | \$ 0.135 | | \$ 0.128 | | \$ 0.129 |
| 23 | | | | | | | | |
| 24 | | | | | | | | |

PURCHASED POWER - Summary of Account
Twelve Month Period 04/01/2019 - 03/31/2020

W-218 Sub 526

ITEM 18
KwH Sheet Summary

| Line | (a) | (p) | (q) | (r) | (s) | (t) | (u) | (v) |
|------|-------------------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|-----------------|
| 1 | TWELVE MONTHS ENDED 3/31/2020 | | | | | | | |
| 2 | Row Labels | Sum of 11.19 KWH | Sum of 11.19 \$\$\$ | Sum of 12.19 KWH | Sum of 12.19 \$\$\$ | Sum of 01.20 KWH | Sum of 01.20 \$\$\$ | Sum of 02.20 KW |
| 3 | AQUA NC Sewer | 831,212 | \$86,506.85 | 835,502 | \$85,165.77 | 882,353 | 90727.27 | 876,883 |
| 4 | CAR | 358,689 | \$40,531.64 | 364,021 | \$40,569.37 | 373,488 | 42295.73 | 376,896 |
| 5 | DEN | 245,857 | \$22,457.14 | 239,521 | \$22,309.32 | 244,565 | 22338.09 | 250,347 |
| 6 | FAY | 24,346 | \$2,445.91 | 21,876 | \$2,177.98 | 26,992 | 2624 | 24,254 |
| 7 | KER | 102,298 | \$9,494.16 | 111,040 | \$10,051.79 | 119,681 | 10745.74 | 105,291 |
| 8 | WIL | 100,021 | \$11,578.00 | 99,044 | \$10,057.31 | 117,628 | 12723.71 | 120,095 |
| 9 | AQUA NC Water | 1,350,663 | \$196,039.39 | 1,263,396 | \$187,918.70 | 1,492,203 | 214592.816 | 1,433,999 |
| 10 | CAR | 820,119 | \$114,922.47 | 711,447 | \$104,125.29 | 814,059 | 114616.47 | 748,372 |
| 11 | DEN | 348,541 | \$52,936.31 | 350,940 | \$53,585.21 | 418,274 | 62393.456 | 420,394 |
| 12 | FAY | 3,054 | \$569.92 | 3,907 | \$664.75 | 3,917 | 653.65 | 2,693 |
| 13 | KER | 171,525 | \$26,447.42 | 186,314 | \$27,998.57 | 244,000 | 35255.8 | 250,439 |
| 14 | WIL | 7,424 | \$1,163.27 | 10,788 | \$1,544.88 | 11,953 | 1673.44 | 12,101 |
| 15 | Brookwood Water | 166,321 | \$21,242.12 | 194,768 | \$24,936.46 | 193,848 | 23886.33 | 192,969 |
| 16 | FAY | 166,321 | \$21,242.12 | 194,768 | \$24,936.46 | 193,848 | 23886.33 | 192,969 |
| 17 | FAIRWAYS Sewer | 84,515 | \$8,830.34 | 88,293 | \$9,086.01 | 85,577 | 8676.31 | 84,984 |
| 18 | WIL | 84,515 | \$8,830.34 | 88,293 | \$9,086.01 | 85,577 | 8676.31 | 84,984 |
| 19 | FAIRWAYS Water | 50,395 | \$5,944.98 | 34,635 | \$4,563.74 | 41,128 | 4957.91 | 40,634 |
| 20 | WIL | 50,395 | \$5,944.98 | 34,635 | \$4,563.74 | 41,128 | 4957.91 | 40,634 |
| 21 | Grand Total | 2,483,106 | \$318,563.68 | 2,416,594 | \$311,670.68 | 2,695,109 | 342840.636 | 2,629,469 |
| 22 | Cost per KwH | | \$ 0.128 | | \$ 0.129 | | \$ 0.127 | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |

PURCHASED POWER - Summary of Account
Twelve Month Period 04/01/2019 - 03/31/2020

W-218 Sub 526

ITEM 18
KwH Sheet Summary

| Line | (a) | (w) | (x) | (y) | (z) | (aa) |
|------|--------------------------------------|----------------------------|------------------------|----------------------------|--------------------|-----------------------|
| 1 | TWELVE MONTHS ENDED 3/31/2020 | | | | | |
| 2 | Row Labels | Sum of 02.20 \$\$\$ | Sum of 03.20 KW | Sum of 03.20 \$\$\$ | Test Yr KWH | Test Yr \$\$\$ |
| 3 | AQUA NC Sewer | \$89,663.34 | 836,084 | \$87,869.76 | 10,202,354 | \$1,047,772.31 |
| 4 | CAR | \$40,326.24 | 356,840 | \$38,931.37 | 4,381,819 | \$489,491.89 |
| 5 | DEN | \$22,632.60 | 240,266 | \$22,182.32 | 2,948,334 | \$272,141.83 |
| 6 | FAY | \$2,442.59 | 23,387 | \$2,416.26 | 302,485 | \$30,358.83 |
| 7 | KER | \$10,485.83 | 101,081 | \$11,036.15 | 1,234,010 | \$116,798.69 |
| 8 | WIL | \$13,776.08 | 114,510 | \$13,303.66 | 1,335,706 | \$138,981.07 |
| 9 | AQUA NC Water | \$208,974.27 | 1,307,456 | \$194,859.42 | 16,208,576 | \$2,373,263.54 |
| 10 | CAR | \$108,113.16 | 694,089 | \$102,229.73 | 9,597,280 | \$1,370,303.55 |
| 11 | DEN | \$61,977.80 | 377,086 | \$57,306.25 | 4,239,269 | \$641,128.42 |
| 12 | FAY | \$515.86 | 2,664 | \$512.66 | 44,447 | \$7,683.13 |
| 13 | KER | \$36,642.40 | 223,898 | \$33,329.86 | 2,219,163 | \$337,743.45 |
| 14 | WIL | \$1,725.05 | 9,719 | \$1,480.92 | 108,418 | \$16,404.99 |
| 15 | Brookwood Water | \$24,414.01 | 184,836 | \$23,708.46 | 2,149,680 | \$298,481.07 |
| 16 | FAY | \$24,414.01 | 184,836 | \$23,708.46 | 2,149,680 | \$298,481.07 |
| 17 | FAIRWAYS Sewer | \$8,639.54 | 83,855 | \$8,553.00 | 1,035,881 | \$107,703.27 |
| 18 | WIL | \$8,639.54 | 83,855 | \$8,553.00 | 1,035,881 | \$107,703.27 |
| 19 | FAIRWAYS Water | \$4,942.71 | 34,372 | \$4,560.38 | 643,609 | \$75,519.71 |
| 20 | WIL | \$4,942.71 | 34,372 | \$4,560.38 | 643,609 | \$75,519.71 |
| 21 | Grand Total | \$336,633.87 | 2,446,602 | \$319,551.02 | 30,240,101 | \$3,902,739.90 |
| 22 | Cost per KwH | \$ 0.128 | | \$ 0.131 | | \$ 0.129 |
| 23 | | | | | | |
| 24 | | | | | | |