

Date: 31/10/2019

Settlement Day:08/10/2019

SAA Run Number:02

Settlement Run Type:SF

NGESO Version Id:01

Internal Scheme Code:19/20

Internal Scheme Name:2019/2020

Internal Scheme Day: 191

BALANCING SERVICES USE OF SYSTEM CHARGE

TODAY COMPONENTS(£)

YEAR TO DATE(£)

| | | |
|---|----------------|------------------|
| System Operator Balancing Mechanism Costs | +6,219,837.980 | +298,222,132.150 |
| Balancing Services Contract Cost | +979,146.973 | +172,384,612.517 |
| Balancing Services Cost Variable | +991,261.010 | +77,135,337.115 |
| ESO Incentive Recovery Costs | +0.000 | +7,000,000.000 |
| Black Start Capital Costs | +0.000 | +0.000 |
| Black Start Testing Costs | +0.000 | +0.000 |
| Black Start Availability Costs | +118,232.956 | +22,030,071.784 |
| Black Start Other Costs | +0.000 | +0.000 |
| System Operator Internal Costs | +824,071.040 | +157,397,568.640 |
| System Innovation Costs | +0.000 | +0.000 |
| Prior Year Cost Recovery | +0.000 | +0.000 |
| EMR Incentive Revenue | +4,128.420 | +788,528.220 |
| Placeholder Column2 30 Charact | +0.000 | +0.000 |
| Placeholder Column3 30 Charact | +0.000 | +0.000 |
| Wind Forecast Incentive | +0.000 | +0.000 |
| Provision Of Balancing Services to Others | +0.000 | +0.000 |
| Total Internal Costs | +824,071.040 | +157,397,568.640 |
| Total External Costs | +8,312,607.339 | +577,560,681.786 |
| Total Adjusted Energy Volume (MWh) | +1,272,762.305 | |

Date: 31/10/2019

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BALANCING SERVICES USE OF SYSTEM CHARGE - DAILY SETTLEMENT PERIOD COMPONENTS

| Settlement Period | Period total Energy Volume(MWh) | Total Period Balance use of System Charges | Balancing Services Price(£/MWh) |
|----------------------|------------------------------------|--|------------------------------------|
| 01 | +20,765.918 | +177,830.226 | +8.56356 |
| 02 | +20,357.520 | +199,615.474 | +9.80549 |
| 03 | +20,158.362 | +207,646.218 | +10.30075 |
| 04 | +20,368.404 | +201,408.350 | +9.88827 |
| 05 | +20,270.267 | +193,116.370 | +9.52708 |
| 06 | +19,996.058 | +197,362.892 | +9.87009 |
| 07 | +19,808.342 | +204,776.895 | +10.33791 |
| 08 | +19,654.021 | +213,597.796 | +10.86789 |
| 09 | +19,782.830 | +212,440.334 | +10.73862 |
| 10 | +19,656.580 | +207,063.796 | +10.53407 |
| 11 | +20,278.908 | +180,493.030 | +8.90053 |
| 12 | +21,076.773 | +177,811.965 | +8.43639 |
| 13 | +23,879.479 | +220,757.089 | +9.24464 |
| 14 | +26,898.956 | +222,018.552 | +8.25380 |
| 15 | +29,736.398 | +202,743.605 | +6.81803 |
| 16 | +30,818.361 | +190,623.417 | +6.18538 |
| 17 | +31,154.587 | +153,210.643 | +4.91776 |
| 18 | +30,579.727 | +143,505.403 | +4.69283 |
| 19 | +30,040.857 | +137,881.234 | +4.58979 |
| 20 | +29,307.520 | +148,364.403 | +5.06233 |
| 21 | +28,867.752 | +160,759.021 | +5.56881 |
| 22 | +28,814.842 | +159,429.787 | +5.53291 |
| 23 | +28,657.690 | +186,975.688 | +6.52445 |
| 24 | +28,655.443 | +193,630.592 | +6.75720 |
| 25 | +28,651.537 | +222,262.282 | +7.75743 |
| 26 | +28,033.061 | +215,152.444 | +7.67495 |
| 27 | +27,936.445 | +210,256.178 | +7.52623 |
| 28 | +27,561.602 | +194,506.654 | +7.05716 |
| 29 | +27,617.016 | +197,125.543 | +7.13783 |
| 30 | +27,389.211 | +188,710.698 | +6.88996 |
| 31 | +27,362.462 | +197,619.057 | +7.22227 |
| 32 | +28,288.589 | +226,317.600 | +8.00031 |
| 33 | +29,068.758 | +211,682.333 | +7.28213 |
| 34 | +30,085.331 | +217,124.207 | +7.21695 |
| 35 | +31,034.457 | +211,726.136 | +6.82229 |
| 36 | +31,727.857 | +195,328.084 | +6.15636 |
| 37 | +31,923.654 | +182,867.281 | +5.72827 |
| 38 | +32,836.758 | +179,535.238 | +5.46751 |
| 39 | +32,976.710 | +157,126.992 | +4.76479 |
| 40 | +32,164.007 | +153,165.191 | +4.76201 |
| 41 | +31,175.200 | +162,065.249 | +5.19853 |
| 42 | +29,808.742 | +154,844.709 | +5.19461 |

| | | | |
|----|-------------|--------------|-----------|
| 43 | +28,648.155 | +162,958.422 | +5.68827 |
| 44 | +26,827.888 | +157,649.194 | +5.87632 |
| 45 | +25,125.554 | +181,897.417 | +7.23954 |
| 46 | +23,351.534 | +189,117.732 | +8.09873 |
| 47 | +22,232.223 | +223,407.532 | +10.04882 |
| 48 | +21,349.959 | +251,130.916 | +11.76259 |

Date: 31/10/2019

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BALANCING SERVICES USE OF SYSTEM CHARGE - SETTLEMENT PERIOD COMPONENTS

| Settlement Period | Total Adjustment Energy factor Volume | System Operator Balancing Mechanism Costs(£) | Balancing Services Contract Cost(£) | Balancing Services Cost Variable(£) | ESO Incentive Recovery Costs | Black Start Capital Costs |
|----------------------|--|--|---|--|---------------------------------|------------------------------|
| 01 | +0.01632 | +118,460.11 | +15,979.679 | +27,944.660 | +0.000 | +0.000 |
| 02 | +0.01599 | +140,880.80 | +15,656.560 | +27,944.660 | +0.000 | +0.000 |
| 03 | +0.01584 | +148,557.38 | +15,509.688 | +28,587.660 | +0.000 | +0.000 |
| 04 | +0.01600 | +142,011.42 | +15,666.352 | +28,587.660 | +0.000 | +0.000 |
| 05 | +0.01593 | +133,282.73 | +15,597.811 | +29,159.160 | +0.000 | +0.000 |
| 06 | +0.01571 | +137,952.88 | +15,382.399 | +29,159.160 | +0.000 | +0.000 |
| 07 | +0.01556 | +145,160.22 | +15,235.527 | +29,654.660 | +0.000 | +0.000 |
| 08 | +0.01544 | +154,212.19 | +15,118.029 | +29,654.660 | +0.000 | +0.000 |
| 09 | +0.01554 | +153,666.17 | +15,215.944 | +28,850.660 | +0.000 | +0.000 |
| 10 | +0.01544 | +148,482.19 | +15,118.029 | +28,850.660 | +0.000 | +0.000 |
| 11 | +0.01593 | +115,694.89 | +15,597.811 | +34,123.660 | +0.000 | +0.000 |
| 12 | +0.01656 | +111,800.71 | +16,214.674 | +34,123.660 | +0.000 | +0.000 |
| 13 | +0.01876 | +125,518.41 | +18,368.797 | +59,114.810 | +0.000 | +0.000 |
| 14 | +0.02113 | +122,216.25 | +20,689.376 | +59,114.810 | +0.000 | +0.000 |
| 15 | +0.02336 | +151,319.26 | +22,872.873 | +6,442.810 | +0.000 | +0.000 |
| 16 | +0.02421 | +137,562.33 | +23,705.148 | +6,442.810 | +0.000 | +0.000 |
| 17 | +0.02448 | +100,731.55 | +23,969.518 | +5,340.910 | +0.000 | +0.000 |
| 18 | +0.02403 | +91,892.82 | +23,528.902 | +5,340.910 | +0.000 | +0.000 |
| 19 | +0.02360 | +67,414.67 | +23,107.869 | +25,022.890 | +0.000 | +0.000 |
| 20 | +0.02303 | +78,995.42 | +22,549.755 | +25,022.890 | +0.000 | +0.000 |
| 21 | +0.02268 | +86,017.07 | +22,207.053 | +31,069.810 | +0.000 | +0.000 |
| 22 | +0.02264 | +84,764.86 | +22,167.887 | +31,069.810 | +0.000 | +0.000 |
| 23 | +0.02252 | +99,252.76 | +22,050.390 | +44,358.880 | +0.000 | +0.000 |
| 24 | +0.02251 | +105,926.92 | +22,040.598 | +44,358.880 | +0.000 | +0.000 |
| 25 | +0.02251 | +137,488.71 | +22,040.598 | +41,428.780 | +0.000 | +0.000 |
| 26 | +0.02203 | +131,303.15 | +21,570.608 | +41,428.780 | +0.000 | +0.000 |
| 27 | +0.02195 | +134,578.08 | +21,492.276 | +33,411.630 | +0.000 | +0.000 |
| 28 | +0.02165 | +119,406.23 | +21,198.532 | +33,411.630 | +0.000 | +0.000 |
| 29 | +0.02170 | +124,140.94 | +21,247.489 | +31,199.530 | +0.000 | +0.000 |
| 30 | +0.02152 | +116,072.70 | +21,071.243 | +31,199.530 | +0.000 | +0.000 |
| 31 | +0.02150 | +130,976.35 | +21,051.660 | +25,242.750 | +0.000 | +0.000 |
| 32 | +0.02223 | +158,269.22 | +21,766.437 | +25,242.750 | +0.000 | +0.000 |
| 33 | +0.02284 | +167,702.10 | +22,363.717 | +0.000 | +0.000 | +0.000 |
| 34 | +0.02364 | +171,603.51 | +23,147.034 | +0.000 | +0.000 | +0.000 |
| 35 | +0.02438 | +159,471.36 | +23,871.603 | +5,309.150 | +0.000 | +0.000 |
| 36 | +0.02493 | +142,014.24 | +24,410.134 | +5,309.150 | +0.000 | +0.000 |
| 37 | +0.02508 | +129,264.60 | +24,557.006 | +5,309.150 | +0.000 | +0.000 |
| 38 | +0.02580 | +124,546.14 | +25,261.992 | +5,309.150 | +0.000 | +0.000 |
| 39 | +0.02591 | +101,926.08 | +25,369.698 | +5,309.150 | +0.000 | +0.000 |
| 40 | +0.02527 | +99,196.65 | +24,743.044 | +5,309.150 | +0.000 | +0.000 |
| 41 | +0.02449 | +109,598.66 | +23,979.309 | +5,309.150 | +0.000 | +0.000 |
| 42 | +0.02342 | +109,747.64 | +22,931.622 | +0.000 | +0.000 | +0.000 |

| | | | | | | |
|----|----------|-------------|-------------|------------|-------|-------|
| 43 | +0.02251 | +120,940.53 | +22,040.598 | -1,326.900 | +.000 | +.000 |
| 44 | +0.02108 | +118,384.88 | +20,640.418 | -1,326.900 | +.000 | +.000 |
| 45 | +0.01974 | +145,058.11 | +19,328.361 | -1,171.630 | +.000 | +.000 |
| 46 | +0.01835 | +154,954.98 | +17,967.347 | -1,171.630 | +.000 | +.000 |
| 47 | +0.01747 | +191,173.91 | +17,105.698 | -1,406.250 | +.000 | +.000 |
| 48 | +0.01677 | +220,245.20 | +16,420.295 | -1,406.250 | +.000 | +.000 |

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Settlement Day:08/10/2019

SAA Run Number:02

Settlement Run Type:SF

NGESO Version Id:01

BALANCING SERVICES USE OF SYSTEM CHARGE - SETTLEMENT PERIOD COMPONENTS CONT D...

| Settlement Period | Black Start Testing Costs | Black Start Availability Costs | Black Start Other Costs | System Operator Internal Costs(£) | System Innovation Costs(£) | Prior Year Cost Recovery |
|----------------------|------------------------------|-----------------------------------|----------------------------|---|----------------------------------|-----------------------------|
| 01 | +0.000 | +1,929.562 | +0.000 | +13,448.839 | +0.000 | +0.000 |
| 02 | +0.000 | +1,890.545 | +0.000 | +13,176.896 | +0.000 | +0.000 |
| 03 | +0.000 | +1,872.810 | +0.000 | +13,053.285 | +0.000 | +0.000 |
| 04 | +0.000 | +1,891.727 | +0.000 | +13,185.137 | +0.000 | +0.000 |
| 05 | +0.000 | +1,883.451 | +0.000 | +13,127.452 | +0.000 | +0.000 |
| 06 | +0.000 | +1,857.440 | +0.000 | +12,946.156 | +0.000 | +0.000 |
| 07 | +0.000 | +1,839.705 | +0.000 | +12,822.545 | +0.000 | +0.000 |
| 08 | +0.000 | +1,825.517 | +0.000 | +12,723.657 | +0.000 | +0.000 |
| 09 | +0.000 | +1,837.340 | +0.000 | +12,806.064 | +0.000 | +0.000 |
| 10 | +0.000 | +1,825.517 | +0.000 | +12,723.657 | +0.000 | +0.000 |
| 11 | +0.000 | +1,883.451 | +0.000 | +13,127.452 | +0.000 | +0.000 |
| 12 | +0.000 | +1,957.938 | +0.000 | +13,646.616 | +0.000 | +0.000 |
| 13 | +0.000 | +2,218.050 | +0.000 | +15,459.573 | +0.000 | +0.000 |
| 14 | +0.000 | +2,498.262 | +0.000 | +17,412.621 | +0.000 | +0.000 |
| 15 | +0.000 | +2,761.922 | +0.000 | +19,250.299 | +0.000 | +0.000 |
| 16 | +0.000 | +2,862.420 | +0.000 | +19,950.760 | +0.000 | +0.000 |
| 17 | +0.000 | +2,894.343 | +0.000 | +20,173.259 | +0.000 | +0.000 |
| 18 | +0.000 | +2,841.138 | +0.000 | +19,802.427 | +0.000 | +0.000 |
| 19 | +0.000 | +2,790.298 | +0.000 | +19,448.077 | +0.000 | +0.000 |
| 20 | +0.000 | +2,722.905 | +0.000 | +18,978.356 | +0.000 | +0.000 |
| 21 | +0.000 | +2,681.523 | +0.000 | +18,689.931 | +0.000 | +0.000 |
| 22 | +0.000 | +2,676.794 | +0.000 | +18,656.968 | +0.000 | +0.000 |
| 23 | +0.000 | +2,662.606 | +0.000 | +18,558.080 | +0.000 | +0.000 |
| 24 | +0.000 | +2,661.424 | +0.000 | +18,549.839 | +0.000 | +0.000 |
| 25 | +0.000 | +2,661.424 | +0.000 | +18,549.839 | +0.000 | +0.000 |
| 26 | +0.000 | +2,604.672 | +0.000 | +18,154.285 | +0.000 | +0.000 |
| 27 | +0.000 | +2,595.213 | +0.000 | +18,088.359 | +0.000 | +0.000 |
| 28 | +0.000 | +2,559.743 | +0.000 | +17,841.138 | +0.000 | +0.000 |
| 29 | +0.000 | +2,565.655 | +0.000 | +17,882.342 | +0.000 | +0.000 |
| 30 | +0.000 | +2,544.373 | +0.000 | +17,734.009 | +0.000 | +0.000 |
| 31 | +0.000 | +2,542.009 | +0.000 | +17,717.527 | +0.000 | +0.000 |
| 32 | +0.000 | +2,628.319 | +0.000 | +18,319.099 | +0.000 | +0.000 |
| 33 | +0.000 | +2,700.441 | +0.000 | +18,821.783 | +0.000 | +0.000 |
| 34 | +0.000 | +2,795.027 | +0.000 | +19,481.039 | +0.000 | +0.000 |
| 35 | +0.000 | +2,882.519 | +0.000 | +20,090.852 | +0.000 | +0.000 |
| 36 | +0.000 | +2,947.548 | +0.000 | +20,544.091 | +0.000 | +0.000 |
| 37 | +0.000 | +2,965.283 | +0.000 | +20,667.702 | +0.000 | +0.000 |
| 38 | +0.000 | +3,050.410 | +0.000 | +21,261.033 | +0.000 | +0.000 |
| 39 | +0.000 | +3,063.416 | +0.000 | +21,351.681 | +0.000 | +0.000 |
| 40 | +0.000 | +2,987.747 | +0.000 | +20,824.275 | +0.000 | +0.000 |
| 41 | +0.000 | +2,895.525 | +0.000 | +20,181.500 | +0.000 | +0.000 |
| 42 | +0.000 | +2,769.016 | +0.000 | +19,299.744 | +0.000 | +0.000 |

| | | | | | | |
|----|-------|------------|-------|-------------|-------|-------|
| 43 | +.000 | +2,661.424 | +.000 | +18,549.839 | +.000 | +.000 |
| 44 | +.000 | +2,492.351 | +.000 | +17,371.418 | +.000 | +.000 |
| 45 | +.000 | +2,333.919 | +.000 | +16,267.162 | +.000 | +.000 |
| 46 | +.000 | +2,169.575 | +.000 | +15,121.704 | +.000 | +.000 |
| 47 | +.000 | +2,065.530 | +.000 | +14,396.521 | +.000 | +.000 |
| 48 | +.000 | +1,982.767 | +.000 | +13,819.671 | +.000 | +.000 |

Date: 31/10/2019

Settlement Day:08/10/2019

SAA Run Number:02

Settlement Run Type:SF

NGESO Version Id:01

BALANCING SERVICES USE OF SYSTEM CHARGE - SETTLEMENT PERIOD COMPONENTS CONT D...

| Settlement Period | EMR Incentive Revenue | Placeholder Column2 30 Charact | Placeholder Column3 30 Charact | Wind forecast Incentive(£) | Provision of Balancing Services to Others(£) | Total Period BSUoS charges(£) |
|----------------------|--------------------------|-----------------------------------|-----------------------------------|-------------------------------|--|----------------------------------|
| 01 | +67.376 | +0.000 | +0.000 | +0.000 | +0.000 | +177,830.226 |
| 02 | +66.013 | +0.000 | +0.000 | +0.000 | +0.000 | +199,615.474 |
| 03 | +65.394 | +0.000 | +0.000 | +0.000 | +0.000 | +207,646.218 |
| 04 | +66.055 | +0.000 | +0.000 | +0.000 | +0.000 | +201,408.350 |
| 05 | +65.766 | +0.000 | +0.000 | +0.000 | +0.000 | +193,116.370 |
| 06 | +64.857 | +0.000 | +0.000 | +0.000 | +0.000 | +197,362.892 |
| 07 | +64.238 | +0.000 | +0.000 | +0.000 | +0.000 | +204,776.895 |
| 08 | +63.743 | +0.000 | +0.000 | +0.000 | +0.000 | +213,597.796 |
| 09 | +64.156 | +0.000 | +0.000 | +0.000 | +0.000 | +212,440.334 |
| 10 | +63.743 | +0.000 | +0.000 | +0.000 | +0.000 | +207,063.796 |
| 11 | +65.766 | +0.000 | +0.000 | +0.000 | +0.000 | +180,493.030 |
| 12 | +68.367 | +0.000 | +0.000 | +0.000 | +0.000 | +177,811.965 |
| 13 | +77.449 | +0.000 | +0.000 | +0.000 | +0.000 | +220,757.089 |
| 14 | +87.234 | +0.000 | +0.000 | +0.000 | +0.000 | +222,018.552 |
| 15 | +96.440 | +0.000 | +0.000 | +0.000 | +0.000 | +202,743.605 |
| 16 | +99.949 | +0.000 | +0.000 | +0.000 | +0.000 | +190,623.417 |
| 17 | +101.064 | +0.000 | +0.000 | +0.000 | +0.000 | +153,210.643 |
| 18 | +99.206 | +0.000 | +0.000 | +0.000 | +0.000 | +143,505.403 |
| 19 | +97.431 | +0.000 | +0.000 | +0.000 | +0.000 | +137,881.234 |
| 20 | +95.078 | +0.000 | +0.000 | +0.000 | +0.000 | +148,364.403 |
| 21 | +93.633 | +0.000 | +0.000 | +0.000 | +0.000 | +160,759.021 |
| 22 | +93.467 | +0.000 | +0.000 | +0.000 | +0.000 | +159,429.787 |
| 23 | +92.972 | +0.000 | +0.000 | +0.000 | +0.000 | +186,975.688 |
| 24 | +92.931 | +0.000 | +0.000 | +0.000 | +0.000 | +193,630.592 |
| 25 | +92.931 | +0.000 | +0.000 | +0.000 | +0.000 | +222,262.282 |
| 26 | +90.949 | +0.000 | +0.000 | +0.000 | +0.000 | +215,152.444 |
| 27 | +90.619 | +0.000 | +0.000 | +0.000 | +0.000 | +210,256.178 |
| 28 | +89.380 | +0.000 | +0.000 | +0.000 | +0.000 | +194,506.654 |
| 29 | +89.587 | +0.000 | +0.000 | +0.000 | +0.000 | +197,125.543 |
| 30 | +88.844 | +0.000 | +0.000 | +0.000 | +0.000 | +188,710.698 |
| 31 | +88.761 | +0.000 | +0.000 | +0.000 | +0.000 | +197,619.057 |
| 32 | +91.775 | +0.000 | +0.000 | +0.000 | +0.000 | +226,317.600 |
| 33 | +94.293 | +0.000 | +0.000 | +0.000 | +0.000 | +211,682.333 |
| 34 | +97.596 | +0.000 | +0.000 | +0.000 | +0.000 | +217,124.207 |
| 35 | +100.651 | +0.000 | +0.000 | +0.000 | +0.000 | +211,726.136 |
| 36 | +102.922 | +0.000 | +0.000 | +0.000 | +0.000 | +195,328.084 |
| 37 | +103.541 | +0.000 | +0.000 | +0.000 | +0.000 | +182,867.281 |
| 38 | +106.513 | +0.000 | +0.000 | +0.000 | +0.000 | +179,535.238 |
| 39 | +106.967 | +0.000 | +0.000 | +0.000 | +0.000 | +157,126.992 |
| 40 | +104.325 | +0.000 | +0.000 | +0.000 | +0.000 | +153,165.191 |
| 41 | +101.105 | +0.000 | +0.000 | +0.000 | +0.000 | +162,065.249 |
| 42 | +96.688 | +0.000 | +0.000 | +0.000 | +0.000 | +154,844.709 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|--------------|
| 43 | +92.931 | +.000 | +.000 | +.000 | +.000 | +162,958.422 |
| 44 | +87.027 | +.000 | +.000 | +.000 | +.000 | +157,649.194 |
| 45 | +81.495 | +.000 | +.000 | +.000 | +.000 | +181,897.417 |
| 46 | +75.757 | +.000 | +.000 | +.000 | +.000 | +189,117.732 |
| 47 | +72.123 | +.000 | +.000 | +.000 | +.000 | +223,407.532 |
| 48 | +69.234 | +.000 | +.000 | +.000 | +.000 | +251,130.916 |