

Date: 26/07/2019

Settlement Day:08/04/2019

SAA Run Number:01

Settlement Run Type:II

NGESO Version Id:01

Internal Scheme Code:19/20

Internal Scheme Name:2019/2020

Internal Scheme Day: 8

BALANCING SERVICES USE OF SYSTEM CHARGE

TODAY COMPONENTS(£)

YEAR TO DATE(£)

| | | |
|---|----------------|-----------------|
| System Operator Balancing Mechanism Costs | +689,290.880 | +11,445,082.380 |
| Balancing Services Contract Cost | +553,005.194 | +6,399,703.253 |
| Balancing Services Cost Variable | +225,611.250 | +705,379.115 |
| ESO Incentive Recovery Costs | +40,983.610 | +327,868.880 |
| Black Start Capital Costs | +0.000 | +0.000 |
| Black Start Testing Costs | +0.000 | +0.000 |
| Black Start Availability Costs | +123,287.671 | +986,301.368 |
| Black Start Other Costs | +0.000 | +0.000 |
| System Operator Internal Costs | +824,071.040 | +6,592,568.320 |
| System Innovation Costs | +0.000 | +0.000 |
| Prior Year Cost Recovery | +0.000 | +0.000 |
| EMR Incentive Revenue | +4,128.420 | +33,027.360 |
| 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 | +6,592,568.320 |
| Total External Costs | +1,636,307.025 | +19,897,362.356 |
| Total Adjusted Energy Volume (MWh) | +1,397,220.784 | |

Date: 26/07/2019

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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 | +21,259.982 | +54,484.444 | +2.56277 |
| 02 | +20,812.077 | +46,433.871 | +2.23110 |
| 03 | +21,073.630 | +42,608.727 | +2.02190 |
| 04 | +21,739.220 | +48,265.706 | +2.22021 |
| 05 | +21,980.217 | +56,827.686 | +2.58540 |
| 06 | +21,875.251 | +53,669.613 | +2.45344 |
| 07 | +21,686.956 | +49,672.927 | +2.29045 |
| 08 | +21,521.477 | +47,408.849 | +2.20286 |
| 09 | +21,550.481 | +46,369.219 | +2.15166 |
| 10 | +21,602.807 | +46,324.018 | +2.14435 |
| 11 | +22,441.304 | +68,396.134 | +3.04778 |
| 12 | +23,712.232 | +68,297.107 | +2.88025 |
| 13 | +26,033.735 | +71,396.367 | +2.74246 |
| 14 | +28,209.606 | +50,996.659 | +1.80778 |
| 15 | +31,197.025 | +47,003.928 | +1.50668 |
| 16 | +32,644.950 | +69,950.958 | +2.14278 |
| 17 | +33,419.732 | +73,139.544 | +2.18851 |
| 18 | +33,730.155 | +75,105.689 | +2.22666 |
| 19 | +33,800.854 | +72,344.743 | +2.14032 |
| 20 | +33,684.228 | +74,153.385 | +2.20143 |
| 21 | +33,215.588 | +74,546.813 | +2.24433 |
| 22 | +33,229.897 | +56,589.468 | +1.70297 |
| 23 | +33,271.230 | +42,793.542 | +1.28620 |
| 24 | +32,306.269 | +48,501.564 | +1.50131 |
| 25 | +31,938.810 | +34,641.130 | +1.08461 |
| 26 | +31,418.492 | +30,611.314 | +0.97431 |
| 27 | +30,935.032 | +23,929.357 | +0.77354 |
| 28 | +30,356.284 | +22,336.052 | +0.73580 |
| 29 | +30,205.868 | +27,777.780 | +0.91962 |
| 30 | +29,921.193 | +27,739.460 | +0.92708 |
| 31 | +29,711.669 | +26,372.668 | +0.88762 |
| 32 | +30,151.224 | +30,155.411 | +1.00014 |
| 33 | +30,882.748 | +24,414.708 | +0.79056 |
| 34 | +31,894.878 | +28,236.846 | +0.88531 |
| 35 | +32,948.602 | +31,910.623 | +0.96850 |
| 36 | +33,575.982 | +40,610.057 | +1.20950 |
| 37 | +34,014.631 | +45,998.304 | +1.35231 |
| 38 | +34,418.101 | +48,196.312 | +1.40032 |
| 39 | +34,614.194 | +52,926.489 | +1.52904 |
| 40 | +34,740.909 | +59,464.232 | +1.71165 |
| 41 | +34,847.085 | +65,150.650 | +1.86962 |
| 42 | +34,369.955 | +50,017.128 | +1.45526 |

| | | | |
|----|-------------|-------------|----------|
| 43 | +33,275.643 | +49,233.237 | +1.47956 |
| 44 | +31,268.400 | +46,324.421 | +1.48151 |
| 45 | +29,502.746 | +63,061.142 | +2.13747 |
| 46 | +27,406.006 | +79,539.253 | +2.90226 |
| 47 | +25,190.203 | +87,467.606 | +3.47229 |
| 48 | +23,633.226 | +78,936.563 | +3.34007 |

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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 | +0.01522 | +29,821.20 | +8,416.739 | +1,141.100 | +623.771 | +0.000 |
| 02 | +0.01490 | +22,265.18 | +8,239.777 | +1,141.100 | +610.656 | +0.000 |
| 03 | +0.01508 | +18,053.45 | +8,339.318 | +1,249.500 | +618.033 | +0.000 |
| 04 | +0.01556 | +22,968.60 | +8,604.761 | +1,249.500 | +637.705 | +0.000 |
| 05 | +0.01573 | +31,219.75 | +8,698.772 | +1,297.600 | +644.672 | +0.000 |
| 06 | +0.01566 | +28,169.86 | +8,660.061 | +1,297.600 | +641.803 | +0.000 |
| 07 | +0.01552 | +24,490.14 | +8,582.641 | +1,197.000 | +636.066 | +0.000 |
| 08 | +0.01540 | +22,411.52 | +8,516.280 | +1,197.000 | +631.148 | +0.000 |
| 09 | +0.01542 | +20,808.48 | +8,527.340 | +1,729.500 | +631.967 | +0.000 |
| 10 | +0.01546 | +20,701.46 | +8,549.460 | +1,729.500 | +633.607 | +0.000 |
| 11 | +0.01606 | +15,730.29 | +8,881.263 | +27,845.500 | +658.197 | +0.000 |
| 12 | +0.01697 | +14,224.88 | +9,384.498 | +27,845.500 | +695.492 | +0.000 |
| 13 | +0.01863 | +18,244.65 | +10,302.487 | +24,359.500 | +763.525 | +0.000 |
| 14 | +0.02019 | -4,566.00 | +11,165.175 | +24,359.500 | +827.459 | +0.000 |
| 15 | +0.02233 | -6,896.55 | +12,348.606 | +19,390.000 | +915.164 | +0.000 |
| 16 | +0.02336 | +14,458.64 | +12,918.201 | +19,390.000 | +957.377 | +0.000 |
| 17 | +0.02392 | +31,502.76 | +13,227.884 | +4,669.000 | +980.328 | +0.000 |
| 18 | +0.02414 | +33,128.90 | +13,349.545 | +4,669.000 | +989.344 | +0.000 |
| 19 | +0.02419 | +30,290.68 | +13,377.196 | +4,669.000 | +991.394 | +0.000 |
| 20 | +0.02411 | +32,222.96 | +13,332.955 | +4,669.000 | +988.115 | +0.000 |
| 21 | +0.02377 | +33,141.85 | +13,144.933 | +4,669.000 | +974.180 | +0.000 |
| 22 | +0.02378 | +15,169.05 | +13,150.464 | +4,669.000 | +974.590 | +0.000 |
| 23 | +0.02381 | +1,326.76 | +13,167.054 | +4,669.000 | +975.820 | +0.000 |
| 24 | +0.02312 | +8,101.16 | +12,785.480 | +4,669.000 | +947.541 | +0.000 |
| 25 | +0.02286 | -5,357.45 | +12,641.699 | +4,669.000 | +936.885 | +0.000 |
| 26 | +0.02249 | -8,815.44 | +12,437.087 | +4,669.000 | +921.721 | +0.000 |
| 27 | +0.02214 | -10,287.48 | +12,243.535 | +0.000 | +907.377 | +0.000 |
| 28 | +0.02173 | -11,247.14 | +12,016.803 | +0.000 | +890.574 | +0.000 |
| 29 | +0.02162 | -5,635.41 | +11,955.972 | +0.000 | +886.066 | +0.000 |
| 30 | +0.02141 | -5,349.18 | +11,839.841 | +0.000 | +877.459 | +0.000 |
| 31 | +0.02126 | -6,484.15 | +11,756.890 | +0.000 | +871.312 | +0.000 |
| 32 | +0.02158 | -3,195.96 | +11,933.852 | +0.000 | +884.426 | +0.000 |
| 33 | +0.02210 | -9,740.31 | +12,221.415 | +0.000 | +905.738 | +0.000 |
| 34 | +0.02283 | -7,046.37 | +12,625.109 | +0.000 | +935.656 | +0.000 |
| 35 | +0.02358 | -4,531.70 | +13,039.862 | +0.000 | +966.394 | +0.000 |
| 36 | +0.02403 | +3,472.27 | +13,288.715 | +0.000 | +984.836 | +0.000 |
| 37 | +0.02434 | +8,381.42 | +13,460.146 | +0.000 | +997.541 | +0.000 |
| 38 | +0.02463 | +10,131.24 | +13,620.518 | +0.000 | +1,009.426 | +0.000 |
| 39 | +0.02477 | +9,990.21 | +13,697.939 | +4,654.840 | +1,015.164 | +0.000 |
| 40 | +0.02486 | +16,388.86 | +13,747.709 | +4,654.840 | +1,018.853 | +0.000 |
| 41 | +0.02494 | +21,951.64 | +13,791.950 | +4,654.840 | +1,022.131 | +0.000 |
| 42 | +0.02460 | +7,343.58 | +13,603.928 | +4,654.840 | +1,008.197 | +0.000 |

| | | | | | | |
|----|----------|------------|-------------|------------|----------|-------|
| 43 | +0.02382 | +7,765.16 | +13,172.584 | +4,654.840 | +976.230 | +.000 |
| 44 | +0.02238 | +11,736.67 | +12,376.256 | +.000 | +917.213 | +.000 |
| 45 | +0.02112 | +30,420.69 | +11,679.470 | +.000 | +865.574 | +.000 |
| 46 | +0.01961 | +49,401.97 | +10,844.432 | -169.500 | +803.689 | +.000 |
| 47 | +0.01803 | +59,904.10 | +9,970.684 | -301.425 | +738.934 | +.000 |
| 48 | +0.01691 | +53,103.99 | +9,351.318 | -301.425 | +693.033 | +.000 |

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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 | +1,876.438 | +0.000 | +12,542.361 | +0.000 | +0.000 |
| 02 | +0.000 | +1,836.986 | +0.000 | +12,278.658 | +0.000 | +0.000 |
| 03 | +0.000 | +1,859.178 | +0.000 | +12,426.991 | +0.000 | +0.000 |
| 04 | +0.000 | +1,918.356 | +0.000 | +12,822.545 | +0.000 | +0.000 |
| 05 | +0.000 | +1,939.315 | +0.000 | +12,962.637 | +0.000 | +0.000 |
| 06 | +0.000 | +1,930.685 | +0.000 | +12,904.952 | +0.000 | +0.000 |
| 07 | +0.000 | +1,913.425 | +0.000 | +12,789.583 | +0.000 | +0.000 |
| 08 | +0.000 | +1,898.630 | +0.000 | +12,690.694 | +0.000 | +0.000 |
| 09 | +0.000 | +1,901.096 | +0.000 | +12,707.175 | +0.000 | +0.000 |
| 10 | +0.000 | +1,906.027 | +0.000 | +12,740.138 | +0.000 | +0.000 |
| 11 | +0.000 | +1,980.000 | +0.000 | +13,234.581 | +0.000 | +0.000 |
| 12 | +0.000 | +2,092.192 | +0.000 | +13,984.486 | +0.000 | +0.000 |
| 13 | +0.000 | +2,296.849 | +0.000 | +15,352.443 | +0.000 | +0.000 |
| 14 | +0.000 | +2,489.178 | +0.000 | +16,637.994 | +0.000 | +0.000 |
| 15 | +0.000 | +2,753.014 | +0.000 | +18,401.506 | +0.000 | +0.000 |
| 16 | +0.000 | +2,880.000 | +0.000 | +19,250.299 | +0.000 | +0.000 |
| 17 | +0.000 | +2,949.041 | +0.000 | +19,711.779 | +0.000 | +0.000 |
| 18 | +0.000 | +2,976.164 | +0.000 | +19,893.075 | +0.000 | +0.000 |
| 19 | +0.000 | +2,982.329 | +0.000 | +19,934.278 | +0.000 | +0.000 |
| 20 | +0.000 | +2,972.466 | +0.000 | +19,868.353 | +0.000 | +0.000 |
| 21 | +0.000 | +2,930.548 | +0.000 | +19,588.169 | +0.000 | +0.000 |
| 22 | +0.000 | +2,931.781 | +0.000 | +19,596.409 | +0.000 | +0.000 |
| 23 | +0.000 | +2,935.479 | +0.000 | +19,621.131 | +0.000 | +0.000 |
| 24 | +0.000 | +2,850.411 | +0.000 | +19,052.522 | +0.000 | +0.000 |
| 25 | +0.000 | +2,818.356 | +0.000 | +18,838.264 | +0.000 | +0.000 |
| 26 | +0.000 | +2,772.740 | +0.000 | +18,533.358 | +0.000 | +0.000 |
| 27 | +0.000 | +2,729.589 | +0.000 | +18,244.933 | +0.000 | +0.000 |
| 28 | +0.000 | +2,679.041 | +0.000 | +17,907.064 | +0.000 | +0.000 |
| 29 | +0.000 | +2,665.479 | +0.000 | +17,816.416 | +0.000 | +0.000 |
| 30 | +0.000 | +2,639.589 | +0.000 | +17,643.361 | +0.000 | +0.000 |
| 31 | +0.000 | +2,621.096 | +0.000 | +17,519.750 | +0.000 | +0.000 |
| 32 | +0.000 | +2,660.548 | +0.000 | +17,783.453 | +0.000 | +0.000 |
| 33 | +0.000 | +2,724.658 | +0.000 | +18,211.970 | +0.000 | +0.000 |
| 34 | +0.000 | +2,814.658 | +0.000 | +18,813.542 | +0.000 | +0.000 |
| 35 | +0.000 | +2,907.123 | +0.000 | +19,431.595 | +0.000 | +0.000 |
| 36 | +0.000 | +2,962.603 | +0.000 | +19,802.427 | +0.000 | +0.000 |
| 37 | +0.000 | +3,000.822 | +0.000 | +20,057.889 | +0.000 | +0.000 |
| 38 | +0.000 | +3,036.575 | +0.000 | +20,296.870 | +0.000 | +0.000 |
| 39 | +0.000 | +3,053.836 | +0.000 | +20,412.240 | +0.000 | +0.000 |
| 40 | +0.000 | +3,064.932 | +0.000 | +20,486.406 | +0.000 | +0.000 |
| 41 | +0.000 | +3,074.795 | +0.000 | +20,552.332 | +0.000 | +0.000 |
| 42 | +0.000 | +3,032.877 | +0.000 | +20,272.148 | +0.000 | +0.000 |

| | | | | | | |
|----|-------|------------|-------|-------------|-------|-------|
| 43 | +.000 | +2,936.712 | +.000 | +19,629.372 | +.000 | +.000 |
| 44 | +.000 | +2,759.178 | +.000 | +18,442.710 | +.000 | +.000 |
| 45 | +.000 | +2,603.836 | +.000 | +17,404.380 | +.000 | +.000 |
| 46 | +.000 | +2,417.671 | +.000 | +16,160.033 | +.000 | +.000 |
| 47 | +.000 | +2,222.877 | +.000 | +14,858.001 | +.000 | +.000 |
| 48 | +.000 | +2,084.795 | +.000 | +13,935.041 | +.000 | +.000 |

Date: 26/07/2019

Settlement Day:08/04/2019

SAA Run Number:01

Settlement Run Type:II

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 | +62.835 | +0.000 | +0.000 | +0.000 | +0.000 | +54,484.444 |
| 02 | +61.513 | +0.000 | +0.000 | +0.000 | +0.000 | +46,433.871 |
| 03 | +62.257 | +0.000 | +0.000 | +0.000 | +0.000 | +42,608.727 |
| 04 | +64.238 | +0.000 | +0.000 | +0.000 | +0.000 | +48,265.706 |
| 05 | +64.940 | +0.000 | +0.000 | +0.000 | +0.000 | +56,827.686 |
| 06 | +64.651 | +0.000 | +0.000 | +0.000 | +0.000 | +53,669.613 |
| 07 | +64.073 | +0.000 | +0.000 | +0.000 | +0.000 | +49,672.927 |
| 08 | +63.578 | +0.000 | +0.000 | +0.000 | +0.000 | +47,408.849 |
| 09 | +63.660 | +0.000 | +0.000 | +0.000 | +0.000 | +46,369.219 |
| 10 | +63.825 | +0.000 | +0.000 | +0.000 | +0.000 | +46,324.018 |
| 11 | +66.302 | +0.000 | +0.000 | +0.000 | +0.000 | +68,396.134 |
| 12 | +70.059 | +0.000 | +0.000 | +0.000 | +0.000 | +68,297.107 |
| 13 | +76.912 | +0.000 | +0.000 | +0.000 | +0.000 | +71,396.367 |
| 14 | +83.353 | +0.000 | +0.000 | +0.000 | +0.000 | +50,996.659 |
| 15 | +92.188 | +0.000 | +0.000 | +0.000 | +0.000 | +47,003.928 |
| 16 | +96.440 | +0.000 | +0.000 | +0.000 | +0.000 | +69,950.958 |
| 17 | +98.752 | +0.000 | +0.000 | +0.000 | +0.000 | +73,139.544 |
| 18 | +99.660 | +0.000 | +0.000 | +0.000 | +0.000 | +75,105.689 |
| 19 | +99.866 | +0.000 | +0.000 | +0.000 | +0.000 | +72,344.743 |
| 20 | +99.536 | +0.000 | +0.000 | +0.000 | +0.000 | +74,153.385 |
| 21 | +98.133 | +0.000 | +0.000 | +0.000 | +0.000 | +74,546.813 |
| 22 | +98.174 | +0.000 | +0.000 | +0.000 | +0.000 | +56,589.468 |
| 23 | +98.298 | +0.000 | +0.000 | +0.000 | +0.000 | +42,793.542 |
| 24 | +95.449 | +0.000 | +0.000 | +0.000 | +0.000 | +48,501.564 |
| 25 | +94.376 | +0.000 | +0.000 | +0.000 | +0.000 | +34,641.130 |
| 26 | +92.848 | +0.000 | +0.000 | +0.000 | +0.000 | +30,611.314 |
| 27 | +91.403 | +0.000 | +0.000 | +0.000 | +0.000 | +23,929.357 |
| 28 | +89.711 | +0.000 | +0.000 | +0.000 | +0.000 | +22,336.052 |
| 29 | +89.256 | +0.000 | +0.000 | +0.000 | +0.000 | +27,777.780 |
| 30 | +88.389 | +0.000 | +0.000 | +0.000 | +0.000 | +27,739.460 |
| 31 | +87.770 | +0.000 | +0.000 | +0.000 | +0.000 | +26,372.668 |
| 32 | +89.091 | +0.000 | +0.000 | +0.000 | +0.000 | +30,155.411 |
| 33 | +91.238 | +0.000 | +0.000 | +0.000 | +0.000 | +24,414.708 |
| 34 | +94.252 | +0.000 | +0.000 | +0.000 | +0.000 | +28,236.846 |
| 35 | +97.348 | +0.000 | +0.000 | +0.000 | +0.000 | +31,910.623 |
| 36 | +99.206 | +0.000 | +0.000 | +0.000 | +0.000 | +40,610.057 |
| 37 | +100.486 | +0.000 | +0.000 | +0.000 | +0.000 | +45,998.304 |
| 38 | +101.683 | +0.000 | +0.000 | +0.000 | +0.000 | +48,196.312 |
| 39 | +102.261 | +0.000 | +0.000 | +0.000 | +0.000 | +52,926.489 |
| 40 | +102.633 | +0.000 | +0.000 | +0.000 | +0.000 | +59,464.232 |
| 41 | +102.963 | +0.000 | +0.000 | +0.000 | +0.000 | +65,150.650 |
| 42 | +101.559 | +0.000 | +0.000 | +0.000 | +0.000 | +50,017.128 |

| | | | | | | |
|----|---------|--------|--------|--------|--------|-------------|
| 43 | +98.339 | + .000 | + .000 | + .000 | + .000 | +49,233.237 |
| 44 | +92.394 | + .000 | + .000 | + .000 | + .000 | +46,324.421 |
| 45 | +87.192 | + .000 | + .000 | + .000 | + .000 | +63,061.142 |
| 46 | +80.958 | + .000 | + .000 | + .000 | + .000 | +79,539.253 |
| 47 | +74.435 | + .000 | + .000 | + .000 | + .000 | +87,467.606 |
| 48 | +69.812 | + .000 | + .000 | + .000 | + .000 | +78,936.563 |