

Date: 05/08/2019

Settlement Day:28/07/2019

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: 119

BALANCING SERVICES USE OF SYSTEM CHARGE

TODAY COMPONENTS(£)

YEAR TO DATE(£)

| | | |
|---|----------------|------------------|
| System Operator Balancing Mechanism Costs | +1,716,141.140 | +146,735,425.960 |
| Balancing Services Contract Cost | +1,099,099.832 | +92,208,124.085 |
| Balancing Services Cost Variable | +353,100.000 | +36,018,866.975 |
| ESO Incentive Recovery Costs | +40,983.610 | +4,877,049.590 |
| Black Start Capital Costs | +0.000 | +0.000 |
| Black Start Testing Costs | +0.000 | +0.000 |
| Black Start Availability Costs | +123,287.671 | +14,671,232.849 |
| Black Start Other Costs | +0.000 | +0.000 |
| System Operator Internal Costs | +824,071.040 | +98,064,453.760 |
| System Innovation Costs | +0.000 | +0.000 |
| Prior Year Cost Recovery | +0.000 | +0.000 |
| EMR Incentive Revenue | +4,128.420 | +491,281.980 |
| 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 | +98,064,453.760 |
| Total External Costs | +3,336,740.673 | +295,001,981.439 |
| Total Adjusted Energy Volume (MWh) | +1,003,760.519 | |

Date: 05/08/2019

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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 | +18,768.100 | +108,377.210 | +5.77454 |
| 02 | +17,899.732 | +105,006.813 | +5.86639 |
| 03 | +17,627.225 | +109,772.069 | +6.22742 |
| 04 | +17,283.215 | +108,530.925 | +6.27956 |
| 05 | +17,135.909 | +107,568.020 | +6.27735 |
| 06 | +16,889.229 | +101,036.653 | +5.98231 |
| 07 | +16,893.666 | +105,088.713 | +6.22060 |
| 08 | +16,806.684 | +104,167.811 | +6.19800 |
| 09 | +16,787.875 | +104,174.520 | +6.20534 |
| 10 | +16,884.009 | +104,852.767 | +6.21018 |
| 11 | +17,024.390 | +106,506.987 | +6.25614 |
| 12 | +17,060.512 | +106,618.880 | +6.24945 |
| 13 | +17,011.530 | +111,692.181 | +6.56568 |
| 14 | +17,367.790 | +105,981.281 | +6.10217 |
| 15 | +17,732.499 | +91,610.692 | +5.16626 |
| 16 | +18,249.870 | +95,618.853 | +5.23943 |
| 17 | +19,102.810 | +80,666.548 | +4.22276 |
| 18 | +19,802.544 | +88,343.157 | +4.46120 |
| 19 | +20,583.968 | +86,860.762 | +4.21983 |
| 20 | +21,189.280 | +78,333.325 | +3.69684 |
| 21 | +21,761.772 | +76,472.110 | +3.51406 |
| 22 | +22,212.592 | +79,831.417 | +3.59397 |
| 23 | +22,560.355 | +76,455.306 | +3.38892 |
| 24 | +22,643.937 | +76,617.652 | +3.38358 |
| 25 | +22,854.325 | +81,136.472 | +3.55016 |
| 26 | +22,594.278 | +80,566.084 | +3.56577 |
| 27 | +22,271.928 | +79,863.521 | +3.58584 |
| 28 | +22,170.312 | +69,198.224 | +3.12121 |
| 29 | +21,910.234 | +64,436.556 | +2.94093 |
| 30 | +21,838.875 | +70,347.946 | +3.22123 |
| 31 | +21,879.925 | +74,418.988 | +3.40125 |
| 32 | +22,120.470 | +80,304.735 | +3.63034 |
| 33 | +22,727.162 | +79,081.748 | +3.47961 |
| 34 | +23,269.510 | +70,828.546 | +3.04383 |
| 35 | +23,802.878 | +80,601.498 | +3.38621 |
| 36 | +24,267.259 | +87,322.696 | +3.59837 |
| 37 | +24,511.158 | +101,930.653 | +4.15854 |
| 38 | +24,803.099 | +100,475.089 | +4.05091 |
| 39 | +24,929.471 | +98,152.933 | +3.93722 |
| 40 | +24,858.931 | +90,971.403 | +3.65951 |
| 41 | +24,871.566 | +78,046.999 | +3.13800 |
| 42 | +24,763.363 | +84,352.746 | +3.40635 |

| | | | |
|----|-------------|-------------|----------|
| 43 | +24,872.225 | +78,242.709 | +3.14579 |
| 44 | +24,277.315 | +64,030.282 | +2.63745 |
| 45 | +23,682.645 | +52,993.890 | +2.23767 |
| 46 | +22,537.442 | +40,259.959 | +1.78636 |
| 47 | +20,949.883 | +69,084.368 | +3.29760 |
| 48 | +19,716.772 | +64,020.846 | +3.24702 |

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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 | +0.01870 | +33,356.02 | +20,553.167 | +35,908.820 | +766.394 | +0.000 |
| 02 | +0.01783 | +31,805.29 | +19,596.950 | +35,908.820 | +730.738 | +0.000 |
| 03 | +0.01756 | +42,583.29 | +19,300.193 | +30,460.800 | +719.672 | +0.000 |
| 04 | +0.01722 | +42,053.28 | +18,926.499 | +30,460.800 | +705.738 | +0.000 |
| 05 | +0.01707 | +40,007.59 | +18,761.634 | +31,857.320 | +699.590 | +0.000 |
| 06 | +0.01683 | +33,978.20 | +18,497.850 | +31,857.320 | +689.754 | +0.000 |
| 07 | +0.01683 | +38,625.56 | +18,497.850 | +31,262.020 | +689.754 | +0.000 |
| 08 | +0.01674 | +37,892.90 | +18,398.931 | +31,262.020 | +686.066 | +0.000 |
| 09 | +0.01672 | +37,726.11 | +18,376.949 | +31,477.350 | +685.246 | +0.000 |
| 10 | +0.01682 | +38,195.20 | +18,486.859 | +31,477.350 | +689.344 | +0.000 |
| 11 | +0.01696 | +38,523.73 | +18,640.733 | +32,510.220 | +695.082 | +0.000 |
| 12 | +0.01700 | +38,551.96 | +18,684.697 | +32,510.220 | +696.721 | +0.000 |
| 13 | +0.01695 | +36,048.81 | +18,629.742 | +40,191.250 | +694.672 | +0.000 |
| 14 | +0.01730 | +29,605.86 | +19,014.427 | +40,191.250 | +709.016 | +0.000 |
| 15 | +0.01767 | +37,243.64 | +19,421.094 | +17,409.000 | +724.180 | +0.000 |
| 16 | +0.01818 | +40,185.10 | +19,981.635 | +17,409.000 | +745.082 | +0.000 |
| 17 | +0.01903 | +49,567.21 | +20,915.870 | -8,703.250 | +779.918 | +0.000 |
| 18 | +0.01973 | +55,779.72 | +21,685.240 | -8,703.250 | +808.607 | +0.000 |
| 19 | +0.02051 | +50,904.55 | +22,542.538 | -6,941.900 | +840.574 | +0.000 |
| 20 | +0.02111 | +41,122.17 | +23,201.997 | -6,941.900 | +865.164 | +0.000 |
| 21 | +0.02168 | +36,309.06 | +23,828.484 | -5,182.200 | +888.525 | +0.000 |
| 22 | +0.02213 | +33,674.62 | +24,323.079 | -129.660 | +906.967 | +0.000 |
| 23 | +0.02248 | +31,164.31 | +24,707.764 | -1,727.510 | +921.312 | +0.000 |
| 24 | +0.02256 | +31,159.33 | +24,795.692 | -1,727.510 | +924.590 | +0.000 |
| 25 | +0.02277 | +34,719.42 | +25,026.503 | -1,208.010 | +933.197 | +0.000 |
| 26 | +0.02251 | +34,692.84 | +24,740.737 | -1,208.010 | +922.541 | +0.000 |
| 27 | +0.02219 | +34,654.93 | +24,389.025 | -1,203.360 | +909.426 | +0.000 |
| 28 | +0.02209 | +29,251.33 | +24,279.115 | -6,255.900 | +905.328 | +0.000 |
| 29 | +0.02183 | +23,897.22 | +23,993.349 | -5,119.650 | +894.672 | +0.000 |
| 30 | +0.02176 | +29,955.02 | +23,916.412 | -5,119.650 | +891.803 | +0.000 |
| 31 | +0.02180 | +34,068.05 | +23,960.376 | -5,245.300 | +893.443 | +0.000 |
| 32 | +0.02204 | +39,451.82 | +24,224.160 | -5,245.300 | +903.279 | +0.000 |
| 33 | +0.02264 | +38,566.84 | +24,883.620 | -6,838.250 | +927.869 | +0.000 |
| 34 | +0.02318 | +29,184.19 | +25,477.134 | -6,838.250 | +950.000 | +0.000 |
| 35 | +0.02371 | +39,219.76 | +26,059.657 | -8,209.400 | +971.721 | +0.000 |
| 36 | +0.02418 | +44,957.92 | +26,576.234 | -8,209.400 | +990.984 | +0.000 |
| 37 | +0.02442 | +59,686.05 | +26,840.018 | -8,831.550 | +1,000.820 | +0.000 |
| 38 | +0.02471 | +57,623.93 | +27,158.757 | -8,831.550 | +1,012.705 | +0.000 |
| 39 | +0.02484 | +56,373.22 | +27,301.640 | -10,174.900 | +1,018.033 | +0.000 |
| 40 | +0.02477 | +44,285.56 | +27,224.703 | -5,122.360 | +1,015.164 | +0.000 |
| 41 | +0.02478 | +32,498.29 | +27,235.694 | -6,280.410 | +1,015.574 | +0.000 |
| 42 | +0.02467 | +39,034.11 | +27,114.793 | -6,280.410 | +1,011.066 | +0.000 |

| | | | | | | |
|----|----------|------------|-------------|-------------|------------|-------|
| 43 | +0.02478 | +31,771.20 | +27,235.694 | -5,357.610 | +1,015.574 | +.000 |
| 44 | +0.02419 | +18,792.80 | +26,587.225 | -5,357.610 | +991.394 | +.000 |
| 45 | +0.02359 | +14,129.49 | +25,927.765 | -10,475.750 | +966.803 | +.000 |
| 46 | +0.02245 | +3,779.95 | +24,674.791 | -10,475.750 | +920.082 | +.000 |
| 47 | +0.02087 | +10,987.29 | +22,938.213 | +14,446.000 | +855.328 | +.000 |
| 48 | +0.01964 | +8,496.40 | +21,586.321 | +14,446.000 | +804.918 | +.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 | +2,305.479 | +0.000 | +15,410.128 | +0.000 | +0.000 |
| 02 | +0.000 | +2,198.219 | +0.000 | +14,693.187 | +0.000 | +0.000 |
| 03 | +0.000 | +2,164.932 | +0.000 | +14,470.687 | +0.000 | +0.000 |
| 04 | +0.000 | +2,123.014 | +0.000 | +14,190.503 | +0.000 | +0.000 |
| 05 | +0.000 | +2,104.521 | +0.000 | +14,066.893 | +0.000 | +0.000 |
| 06 | +0.000 | +2,074.932 | +0.000 | +13,869.116 | +0.000 | +0.000 |
| 07 | +0.000 | +2,074.932 | +0.000 | +13,869.116 | +0.000 | +0.000 |
| 08 | +0.000 | +2,063.836 | +0.000 | +13,794.949 | +0.000 | +0.000 |
| 09 | +0.000 | +2,061.370 | +0.000 | +13,778.468 | +0.000 | +0.000 |
| 10 | +0.000 | +2,073.699 | +0.000 | +13,860.875 | +0.000 | +0.000 |
| 11 | +0.000 | +2,090.959 | +0.000 | +13,976.245 | +0.000 | +0.000 |
| 12 | +0.000 | +2,095.890 | +0.000 | +14,009.208 | +0.000 | +0.000 |
| 13 | +0.000 | +2,089.726 | +0.000 | +13,968.004 | +0.000 | +0.000 |
| 14 | +0.000 | +2,132.877 | +0.000 | +14,256.429 | +0.000 | +0.000 |
| 15 | +0.000 | +2,178.493 | +0.000 | +14,561.335 | +0.000 | +0.000 |
| 16 | +0.000 | +2,241.370 | +0.000 | +14,981.612 | +0.000 | +0.000 |
| 17 | +0.000 | +2,346.164 | +0.000 | +15,682.072 | +0.000 | +0.000 |
| 18 | +0.000 | +2,432.466 | +0.000 | +16,258.922 | +0.000 | +0.000 |
| 19 | +0.000 | +2,528.630 | +0.000 | +16,901.697 | +0.000 | +0.000 |
| 20 | +0.000 | +2,602.603 | +0.000 | +17,396.140 | +0.000 | +0.000 |
| 21 | +0.000 | +2,672.877 | +0.000 | +17,865.860 | +0.000 | +0.000 |
| 22 | +0.000 | +2,728.356 | +0.000 | +18,236.692 | +0.000 | +0.000 |
| 23 | +0.000 | +2,771.507 | +0.000 | +18,525.117 | +0.000 | +0.000 |
| 24 | +0.000 | +2,781.370 | +0.000 | +18,591.043 | +0.000 | +0.000 |
| 25 | +0.000 | +2,807.260 | +0.000 | +18,764.098 | +0.000 | +0.000 |
| 26 | +0.000 | +2,775.205 | +0.000 | +18,549.839 | +0.000 | +0.000 |
| 27 | +0.000 | +2,735.753 | +0.000 | +18,286.136 | +0.000 | +0.000 |
| 28 | +0.000 | +2,723.425 | +0.000 | +18,203.729 | +0.000 | +0.000 |
| 29 | +0.000 | +2,691.370 | +0.000 | +17,989.471 | +0.000 | +0.000 |
| 30 | +0.000 | +2,682.740 | +0.000 | +17,931.786 | +0.000 | +0.000 |
| 31 | +0.000 | +2,687.671 | +0.000 | +17,964.749 | +0.000 | +0.000 |
| 32 | +0.000 | +2,717.260 | +0.000 | +18,162.526 | +0.000 | +0.000 |
| 33 | +0.000 | +2,791.233 | +0.000 | +18,656.968 | +0.000 | +0.000 |
| 34 | +0.000 | +2,857.808 | +0.000 | +19,101.967 | +0.000 | +0.000 |
| 35 | +0.000 | +2,923.151 | +0.000 | +19,538.724 | +0.000 | +0.000 |
| 36 | +0.000 | +2,981.096 | +0.000 | +19,926.038 | +0.000 | +0.000 |
| 37 | +0.000 | +3,010.685 | +0.000 | +20,123.815 | +0.000 | +0.000 |
| 38 | +0.000 | +3,046.438 | +0.000 | +20,362.795 | +0.000 | +0.000 |
| 39 | +0.000 | +3,062.466 | +0.000 | +20,469.925 | +0.000 | +0.000 |
| 40 | +0.000 | +3,053.836 | +0.000 | +20,412.240 | +0.000 | +0.000 |
| 41 | +0.000 | +3,055.068 | +0.000 | +20,420.480 | +0.000 | +0.000 |
| 42 | +0.000 | +3,041.507 | +0.000 | +20,329.833 | +0.000 | +0.000 |

| | | | | | | |
|----|-------|------------|-------|-------------|-------|-------|
| 43 | +.000 | +3,055.068 | +.000 | +20,420.480 | +.000 | +.000 |
| 44 | +.000 | +2,982.329 | +.000 | +19,934.278 | +.000 | +.000 |
| 45 | +.000 | +2,908.356 | +.000 | +19,439.836 | +.000 | +.000 |
| 46 | +.000 | +2,767.808 | +.000 | +18,500.395 | +.000 | +.000 |
| 47 | +.000 | +2,573.014 | +.000 | +17,198.363 | +.000 | +.000 |
| 48 | +.000 | +2,421.370 | +.000 | +16,184.755 | +.000 | +.000 |

Date: 05/08/2019

Settlement Day:28/07/2019

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 | +77.201 | +0.000 | +0.000 | +0.000 | +0.000 | +108,377.210 |
| 02 | +73.610 | +0.000 | +0.000 | +0.000 | +0.000 | +105,006.813 |
| 03 | +72.495 | +0.000 | +0.000 | +0.000 | +0.000 | +109,772.069 |
| 04 | +71.091 | +0.000 | +0.000 | +0.000 | +0.000 | +108,530.925 |
| 05 | +70.472 | +0.000 | +0.000 | +0.000 | +0.000 | +107,568.020 |
| 06 | +69.481 | +0.000 | +0.000 | +0.000 | +0.000 | +101,036.653 |
| 07 | +69.481 | +0.000 | +0.000 | +0.000 | +0.000 | +105,088.713 |
| 08 | +69.110 | +0.000 | +0.000 | +0.000 | +0.000 | +104,167.811 |
| 09 | +69.027 | +0.000 | +0.000 | +0.000 | +0.000 | +104,174.520 |
| 10 | +69.440 | +0.000 | +0.000 | +0.000 | +0.000 | +104,852.767 |
| 11 | +70.018 | +0.000 | +0.000 | +0.000 | +0.000 | +106,506.987 |
| 12 | +70.183 | +0.000 | +0.000 | +0.000 | +0.000 | +106,618.880 |
| 13 | +69.977 | +0.000 | +0.000 | +0.000 | +0.000 | +111,692.181 |
| 14 | +71.422 | +0.000 | +0.000 | +0.000 | +0.000 | +105,981.281 |
| 15 | +72.949 | +0.000 | +0.000 | +0.000 | +0.000 | +91,610.692 |
| 16 | +75.055 | +0.000 | +0.000 | +0.000 | +0.000 | +95,618.853 |
| 17 | +78.564 | +0.000 | +0.000 | +0.000 | +0.000 | +80,666.548 |
| 18 | +81.454 | +0.000 | +0.000 | +0.000 | +0.000 | +88,343.157 |
| 19 | +84.674 | +0.000 | +0.000 | +0.000 | +0.000 | +86,860.762 |
| 20 | +87.151 | +0.000 | +0.000 | +0.000 | +0.000 | +78,333.325 |
| 21 | +89.504 | +0.000 | +0.000 | +0.000 | +0.000 | +76,472.110 |
| 22 | +91.362 | +0.000 | +0.000 | +0.000 | +0.000 | +79,831.417 |
| 23 | +92.807 | +0.000 | +0.000 | +0.000 | +0.000 | +76,455.306 |
| 24 | +93.137 | +0.000 | +0.000 | +0.000 | +0.000 | +76,617.652 |
| 25 | +94.004 | +0.000 | +0.000 | +0.000 | +0.000 | +81,136.472 |
| 26 | +92.931 | +0.000 | +0.000 | +0.000 | +0.000 | +80,566.084 |
| 27 | +91.610 | +0.000 | +0.000 | +0.000 | +0.000 | +79,863.521 |
| 28 | +91.197 | +0.000 | +0.000 | +0.000 | +0.000 | +69,198.224 |
| 29 | +90.123 | +0.000 | +0.000 | +0.000 | +0.000 | +64,436.556 |
| 30 | +89.834 | +0.000 | +0.000 | +0.000 | +0.000 | +70,347.946 |
| 31 | +90.000 | +0.000 | +0.000 | +0.000 | +0.000 | +74,418.988 |
| 32 | +90.990 | +0.000 | +0.000 | +0.000 | +0.000 | +80,304.735 |
| 33 | +93.467 | +0.000 | +0.000 | +0.000 | +0.000 | +79,081.748 |
| 34 | +95.697 | +0.000 | +0.000 | +0.000 | +0.000 | +70,828.546 |
| 35 | +97.885 | +0.000 | +0.000 | +0.000 | +0.000 | +80,601.498 |
| 36 | +99.825 | +0.000 | +0.000 | +0.000 | +0.000 | +87,322.696 |
| 37 | +100.816 | +0.000 | +0.000 | +0.000 | +0.000 | +101,930.653 |
| 38 | +102.013 | +0.000 | +0.000 | +0.000 | +0.000 | +100,475.089 |
| 39 | +102.550 | +0.000 | +0.000 | +0.000 | +0.000 | +98,152.933 |
| 40 | +102.261 | +0.000 | +0.000 | +0.000 | +0.000 | +90,971.403 |
| 41 | +102.302 | +0.000 | +0.000 | +0.000 | +0.000 | +78,046.999 |
| 42 | +101.848 | +0.000 | +0.000 | +0.000 | +0.000 | +84,352.746 |

| | | | | | | |
|----|----------|-------|-------|-------|-------|-------------|
| 43 | +102.302 | +.000 | +.000 | +.000 | +.000 | +78,242.709 |
| 44 | +99.866 | +.000 | +.000 | +.000 | +.000 | +64,030.282 |
| 45 | +97.389 | +.000 | +.000 | +.000 | +.000 | +52,993.890 |
| 46 | +92.683 | +.000 | +.000 | +.000 | +.000 | +40,259.959 |
| 47 | +86.160 | +.000 | +.000 | +.000 | +.000 | +69,084.368 |
| 48 | +81.082 | +.000 | +.000 | +.000 | +.000 | +64,020.846 |