

Date: 30/10/2019

Settlement Day:07/10/2019

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: 190

BALANCING SERVICES USE OF SYSTEM CHARGE

TODAY COMPONENTS(£)

YEAR TO DATE(£)

| | | |
|---|----------------|------------------|
| System Operator Balancing Mechanism Costs | +4,999,880.460 | +292,002,294.170 |
| Balancing Services Contract Cost | +945,934.408 | +171,405,465.544 |
| Balancing Services Cost Variable | +1,632,473.350 | +76,144,076.105 |
| 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 | +123,901.366 | +21,911,838.828 |
| Black Start Other Costs | +0.000 | +0.000 |
| System Operator Internal Costs | +824,071.040 | +156,573,497.600 |
| System Innovation Costs | +0.000 | +0.000 |
| Prior Year Cost Recovery | +0.000 | +0.000 |
| EMR Incentive Revenue | +4,128.420 | +784,399.800 |
| 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 | +156,573,497.600 |
| Total External Costs | +7,706,318.004 | +569,248,074.447 |
| Total Adjusted Energy Volume (MWh) | +1,361,478.104 | |

Date: 30/10/2019

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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 | +20,689.107 | +191,932.936 | +9.27700 |
| 02 | +20,234.574 | +184,870.494 | +9.13637 |
| 03 | +19,800.763 | +225,042.492 | +11.36534 |
| 04 | +19,887.530 | +238,899.035 | +12.01250 |
| 05 | +19,756.897 | +235,319.521 | +11.91075 |
| 06 | +19,541.139 | +241,281.886 | +12.34738 |
| 07 | +19,435.127 | +246,577.663 | +12.68722 |
| 08 | +19,273.703 | +262,870.089 | +13.63880 |
| 09 | +19,530.003 | +277,815.645 | +14.22507 |
| 10 | +19,640.274 | +273,979.208 | +13.94987 |
| 11 | +19,944.418 | +289,078.736 | +14.49422 |
| 12 | +20,909.336 | +264,133.961 | +12.63235 |
| 13 | +23,349.195 | +262,037.904 | +11.22257 |
| 14 | +26,280.588 | +222,040.550 | +8.44884 |
| 15 | +29,443.315 | +284,542.752 | +9.66409 |
| 16 | +31,032.614 | +289,105.243 | +9.31617 |
| 17 | +32,345.924 | +241,931.417 | +7.47950 |
| 18 | +32,342.696 | +246,519.157 | +7.62210 |
| 19 | +32,851.598 | +246,711.720 | +7.50988 |
| 20 | +33,008.169 | +256,352.744 | +7.76634 |
| 21 | +32,926.175 | +239,661.452 | +7.27875 |
| 22 | +32,761.580 | +208,233.148 | +6.35602 |
| 23 | +32,328.335 | +187,450.747 | +5.79834 |
| 24 | +32,312.886 | +175,650.326 | +5.43592 |
| 25 | +32,494.164 | +169,862.661 | +5.22748 |
| 26 | +32,419.053 | +160,297.659 | +4.94455 |
| 27 | +32,263.382 | +152,066.395 | +4.71328 |
| 28 | +32,185.088 | +127,096.363 | +3.94892 |
| 29 | +32,495.908 | +114,697.451 | +3.52960 |
| 30 | +32,260.927 | +117,474.585 | +3.64139 |
| 31 | +32,062.673 | +106,858.850 | +3.33281 |
| 32 | +32,825.582 | +109,903.989 | +3.34812 |
| 33 | +33,159.310 | +100,838.568 | +3.04103 |
| 34 | +33,929.817 | +110,016.358 | +3.24247 |
| 35 | +34,248.275 | +115,062.356 | +3.35965 |
| 36 | +34,551.078 | +116,455.944 | +3.37054 |
| 37 | +34,767.180 | +119,529.380 | +3.43799 |
| 38 | +34,974.643 | +119,326.915 | +3.41181 |
| 39 | +34,995.535 | +121,686.876 | +3.47721 |
| 40 | +33,996.744 | +109,994.620 | +3.23545 |
| 41 | +33,337.464 | +88,618.413 | +2.65822 |
| 42 | +32,010.213 | +80,285.518 | +2.50812 |

| | | | |
|----|-------------|--------------|----------|
| 43 | +29,757.690 | +86,436.890 | +2.90469 |
| 44 | +27,965.560 | +79,850.254 | +2.85531 |
| 45 | +26,577.481 | +83,172.198 | +3.12942 |
| 46 | +24,853.936 | +69,732.303 | +2.80568 |
| 47 | +22,527.070 | +133,895.913 | +5.94378 |
| 48 | +21,193.385 | +145,265.679 | +6.85429 |

Date: 30/10/2019

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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 | +0.01520 | +168,425.80 | +14,378.203 | -5,343.000 | +0.000 | +0.000 |
| 02 | +0.01486 | +162,008.69 | +14,056.585 | -5,343.000 | +0.000 | +0.000 |
| 03 | +0.01454 | +197,240.06 | +13,753.886 | +205.000 | +0.000 | +0.000 |
| 04 | +0.01461 | +210,963.74 | +13,820.102 | +205.000 | +0.000 | +0.000 |
| 05 | +0.01451 | +207,574.03 | +13,725.508 | +205.000 | +0.000 | +0.000 |
| 06 | +0.01435 | +213,840.08 | +13,574.159 | +205.000 | +0.000 | +0.000 |
| 07 | +0.01428 | +219,268.72 | +13,507.943 | +205.000 | +0.000 | +0.000 |
| 08 | +0.01416 | +235,788.91 | +13,394.431 | +205.000 | +0.000 | +0.000 |
| 09 | +0.01434 | +248,784.16 | +13,564.699 | +1,813.660 | +0.000 | +0.000 |
| 10 | +0.01443 | +244,776.90 | +13,649.834 | +1,813.660 | +0.000 | +0.000 |
| 11 | +0.01465 | +213,342.18 | +13,857.939 | +47,930.340 | +0.000 | +0.000 |
| 12 | +0.01536 | +187,049.80 | +14,529.553 | +47,930.340 | +0.000 | +0.000 |
| 13 | +0.01715 | +169,637.89 | +16,222.775 | +59,848.710 | +0.000 | +0.000 |
| 14 | +0.01930 | +125,559.76 | +18,256.534 | +59,848.710 | +0.000 | +0.000 |
| 15 | +0.02163 | +104,711.31 | +20,460.561 | +138,776.940 | +0.000 | +0.000 |
| 16 | +0.02279 | +107,072.08 | +21,557.845 | +138,776.940 | +0.000 | +0.000 |
| 17 | +0.02376 | +141,544.66 | +22,475.402 | +55,289.440 | +0.000 | +0.000 |
| 18 | +0.02376 | +146,132.40 | +22,475.402 | +55,289.440 | +0.000 | +0.000 |
| 19 | +0.02413 | +148,164.04 | +22,825.397 | +52,748.090 | +0.000 | +0.000 |
| 20 | +0.02424 | +157,596.28 | +22,929.450 | +52,748.090 | +0.000 | +0.000 |
| 21 | +0.02418 | +142,097.90 | +22,872.694 | +51,669.060 | +0.000 | +0.000 |
| 22 | +0.02406 | +110,897.36 | +22,759.182 | +51,669.060 | +0.000 | +0.000 |
| 23 | +0.02375 | +92,444.61 | +22,465.942 | +49,927.800 | +0.000 | +0.000 |
| 24 | +0.02373 | +80,682.15 | +22,447.024 | +49,927.800 | +0.000 | +0.000 |
| 25 | +0.02387 | +75,398.93 | +22,579.454 | +49,157.630 | +0.000 | +0.000 |
| 26 | +0.02381 | +65,947.81 | +22,522.698 | +49,157.630 | +0.000 | +0.000 |
| 27 | +0.02370 | +64,202.90 | +22,418.645 | +42,880.060 | +0.000 | +0.000 |
| 28 | +0.02364 | +39,346.75 | +22,361.889 | +42,880.060 | +0.000 | +0.000 |
| 29 | +0.02387 | +26,222.69 | +22,579.454 | +43,168.660 | +0.000 | +0.000 |
| 30 | +0.02370 | +29,322.49 | +22,418.645 | +43,168.660 | +0.000 | +0.000 |
| 31 | +0.02355 | +18,516.84 | +22,276.755 | +43,643.280 | +0.000 | +0.000 |
| 32 | +0.02411 | +20,499.08 | +22,806.479 | +43,643.280 | +0.000 | +0.000 |
| 33 | +0.02436 | +13,867.48 | +23,042.962 | +40,734.950 | +0.000 | +0.000 |
| 34 | +0.02492 | +21,982.37 | +23,572.685 | +40,734.950 | +0.000 | +0.000 |
| 35 | +0.02516 | +31,795.23 | +23,799.710 | +35,512.560 | +0.000 | +0.000 |
| 36 | +0.02538 | +32,771.25 | +24,007.815 | +35,512.560 | +0.000 | +0.000 |
| 37 | +0.02554 | +35,221.47 | +24,159.165 | +35,832.090 | +0.000 | +0.000 |
| 38 | +0.02569 | +34,734.30 | +24,301.055 | +35,832.090 | +0.000 | +0.000 |
| 39 | +0.02570 | +38,340.93 | +24,310.514 | +34,566.440 | +0.000 | +0.000 |
| 40 | +0.02497 | +28,034.24 | +23,619.982 | +34,566.440 | +0.000 | +0.000 |
| 41 | +0.02449 | +35,217.72 | +23,165.934 | +6,917.810 | +0.000 | +0.000 |
| 42 | +0.02351 | +34,054.05 | +22,238.918 | +1,608.660 | +0.000 | +0.000 |

| | | | | | | |
|----|----------|------------|-------------|-------------|-------|-------|
| 43 | +0.02186 | +43,337.18 | +20,678.126 | +1,608.660 | +.000 | +.000 |
| 44 | +0.02054 | +39,255.95 | +19,429.493 | +1,608.660 | +.000 | +.000 |
| 45 | +0.01952 | +44,988.89 | +18,464.640 | +1,133.660 | +.000 | +.000 |
| 46 | +0.01826 | +33,940.52 | +17,272.762 | +1,133.660 | +.000 | +.000 |
| 47 | +0.01655 | +72,024.02 | +15,655.214 | +30,459.410 | +.000 | +.000 |
| 48 | +0.01557 | +85,253.86 | +14,728.199 | +30,459.410 | +.000 | +.000 |

Date: 30/10/2019

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SAA Run Number:02

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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 | +1,883.301 | +0.000 | +12,525.880 | +0.000 | +0.000 |
| 02 | +0.000 | +1,841.174 | +0.000 | +12,245.696 | +0.000 | +0.000 |
| 03 | +0.000 | +1,801.526 | +0.000 | +11,981.993 | +0.000 | +0.000 |
| 04 | +0.000 | +1,810.199 | +0.000 | +12,039.678 | +0.000 | +0.000 |
| 05 | +0.000 | +1,797.809 | +0.000 | +11,957.271 | +0.000 | +0.000 |
| 06 | +0.000 | +1,777.985 | +0.000 | +11,825.419 | +0.000 | +0.000 |
| 07 | +0.000 | +1,769.312 | +0.000 | +11,767.734 | +0.000 | +0.000 |
| 08 | +0.000 | +1,754.443 | +0.000 | +11,668.846 | +0.000 | +0.000 |
| 09 | +0.000 | +1,776.746 | +0.000 | +11,817.179 | +0.000 | +0.000 |
| 10 | +0.000 | +1,787.897 | +0.000 | +11,891.345 | +0.000 | +0.000 |
| 11 | +0.000 | +1,815.155 | +0.000 | +12,072.641 | +0.000 | +0.000 |
| 12 | +0.000 | +1,903.125 | +0.000 | +12,657.731 | +0.000 | +0.000 |
| 13 | +0.000 | +2,124.908 | +0.000 | +14,132.818 | +0.000 | +0.000 |
| 14 | +0.000 | +2,391.296 | +0.000 | +15,904.571 | +0.000 | +0.000 |
| 15 | +0.000 | +2,679.987 | +0.000 | +17,824.657 | +0.000 | +0.000 |
| 16 | +0.000 | +2,823.712 | +0.000 | +18,780.579 | +0.000 | +0.000 |
| 17 | +0.000 | +2,943.896 | +0.000 | +19,579.928 | +0.000 | +0.000 |
| 18 | +0.000 | +2,943.896 | +0.000 | +19,579.928 | +0.000 | +0.000 |
| 19 | +0.000 | +2,989.740 | +0.000 | +19,884.834 | +0.000 | +0.000 |
| 20 | +0.000 | +3,003.369 | +0.000 | +19,975.482 | +0.000 | +0.000 |
| 21 | +0.000 | +2,995.935 | +0.000 | +19,926.038 | +0.000 | +0.000 |
| 22 | +0.000 | +2,981.067 | +0.000 | +19,827.149 | +0.000 | +0.000 |
| 23 | +0.000 | +2,942.657 | +0.000 | +19,571.687 | +0.000 | +0.000 |
| 24 | +0.000 | +2,940.179 | +0.000 | +19,555.206 | +0.000 | +0.000 |
| 25 | +0.000 | +2,957.526 | +0.000 | +19,670.576 | +0.000 | +0.000 |
| 26 | +0.000 | +2,950.092 | +0.000 | +19,621.131 | +0.000 | +0.000 |
| 27 | +0.000 | +2,936.462 | +0.000 | +19,530.484 | +0.000 | +0.000 |
| 28 | +0.000 | +2,929.028 | +0.000 | +19,481.039 | +0.000 | +0.000 |
| 29 | +0.000 | +2,957.526 | +0.000 | +19,670.576 | +0.000 | +0.000 |
| 30 | +0.000 | +2,936.462 | +0.000 | +19,530.484 | +0.000 | +0.000 |
| 31 | +0.000 | +2,917.877 | +0.000 | +19,406.873 | +0.000 | +0.000 |
| 32 | +0.000 | +2,987.262 | +0.000 | +19,868.353 | +0.000 | +0.000 |
| 33 | +0.000 | +3,018.237 | +0.000 | +20,074.371 | +0.000 | +0.000 |
| 34 | +0.000 | +3,087.622 | +0.000 | +20,535.850 | +0.000 | +0.000 |
| 35 | +0.000 | +3,117.358 | +0.000 | +20,733.627 | +0.000 | +0.000 |
| 36 | +0.000 | +3,144.617 | +0.000 | +20,914.923 | +0.000 | +0.000 |
| 37 | +0.000 | +3,164.441 | +0.000 | +21,046.774 | +0.000 | +0.000 |
| 38 | +0.000 | +3,183.026 | +0.000 | +21,170.385 | +0.000 | +0.000 |
| 39 | +0.000 | +3,184.265 | +0.000 | +21,178.626 | +0.000 | +0.000 |
| 40 | +0.000 | +3,093.817 | +0.000 | +20,577.054 | +0.000 | +0.000 |
| 41 | +0.000 | +3,034.344 | +0.000 | +20,181.500 | +0.000 | +0.000 |
| 42 | +0.000 | +2,912.921 | +0.000 | +19,373.910 | +0.000 | +0.000 |

| | | | | | | |
|----|-------|------------|-------|-------------|-------|-------|
| 43 | +.000 | +2,708.484 | +.000 | +18,014.193 | +.000 | +.000 |
| 44 | +.000 | +2,544.934 | +.000 | +16,926.419 | +.000 | +.000 |
| 45 | +.000 | +2,418.555 | +.000 | +16,085.867 | +.000 | +.000 |
| 46 | +.000 | +2,262.439 | +.000 | +15,047.537 | +.000 | +.000 |
| 47 | +.000 | +2,050.568 | +.000 | +13,638.376 | +.000 | +.000 |
| 48 | +.000 | +1,929.144 | +.000 | +12,830.786 | +.000 | +.000 |

Date: 30/10/2019

Settlement Day:07/10/2019

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 | +62.752 | + .000 | + .000 | + .000 | + .000 | +191,932.936 |
| 02 | +61.348 | + .000 | + .000 | + .000 | + .000 | +184,870.494 |
| 03 | +60.027 | + .000 | + .000 | + .000 | + .000 | +225,042.492 |
| 04 | +60.316 | + .000 | + .000 | + .000 | + .000 | +238,899.035 |
| 05 | +59.903 | + .000 | + .000 | + .000 | + .000 | +235,319.521 |
| 06 | +59.243 | + .000 | + .000 | + .000 | + .000 | +241,281.886 |
| 07 | +58.954 | + .000 | + .000 | + .000 | + .000 | +246,577.663 |
| 08 | +58.458 | + .000 | + .000 | + .000 | + .000 | +262,870.089 |
| 09 | +59.202 | + .000 | + .000 | + .000 | + .000 | +277,815.645 |
| 10 | +59.573 | + .000 | + .000 | + .000 | + .000 | +273,979.208 |
| 11 | +60.481 | + .000 | + .000 | + .000 | + .000 | +289,078.736 |
| 12 | +63.413 | + .000 | + .000 | + .000 | + .000 | +264,133.961 |
| 13 | +70.802 | + .000 | + .000 | + .000 | + .000 | +262,037.904 |
| 14 | +79.679 | + .000 | + .000 | + .000 | + .000 | +222,040.550 |
| 15 | +89.298 | + .000 | + .000 | + .000 | + .000 | +284,542.752 |
| 16 | +94.087 | + .000 | + .000 | + .000 | + .000 | +289,105.243 |
| 17 | +98.091 | + .000 | + .000 | + .000 | + .000 | +241,931.417 |
| 18 | +98.091 | + .000 | + .000 | + .000 | + .000 | +246,519.157 |
| 19 | +99.619 | + .000 | + .000 | + .000 | + .000 | +246,711.720 |
| 20 | +100.073 | + .000 | + .000 | + .000 | + .000 | +256,352.744 |
| 21 | +99.825 | + .000 | + .000 | + .000 | + .000 | +239,661.452 |
| 22 | +99.330 | + .000 | + .000 | + .000 | + .000 | +208,233.148 |
| 23 | +98.050 | + .000 | + .000 | + .000 | + .000 | +187,450.747 |
| 24 | +97.967 | + .000 | + .000 | + .000 | + .000 | +175,650.326 |
| 25 | +98.545 | + .000 | + .000 | + .000 | + .000 | +169,862.661 |
| 26 | +98.298 | + .000 | + .000 | + .000 | + .000 | +160,297.659 |
| 27 | +97.844 | + .000 | + .000 | + .000 | + .000 | +152,066.395 |
| 28 | +97.596 | + .000 | + .000 | + .000 | + .000 | +127,096.363 |
| 29 | +98.545 | + .000 | + .000 | + .000 | + .000 | +114,697.451 |
| 30 | +97.844 | + .000 | + .000 | + .000 | + .000 | +117,474.585 |
| 31 | +97.224 | + .000 | + .000 | + .000 | + .000 | +106,858.850 |
| 32 | +99.536 | + .000 | + .000 | + .000 | + .000 | +109,903.989 |
| 33 | +100.568 | + .000 | + .000 | + .000 | + .000 | +100,838.568 |
| 34 | +102.880 | + .000 | + .000 | + .000 | + .000 | +110,016.358 |
| 35 | +103.871 | + .000 | + .000 | + .000 | + .000 | +115,062.356 |
| 36 | +104.779 | + .000 | + .000 | + .000 | + .000 | +116,455.944 |
| 37 | +105.440 | + .000 | + .000 | + .000 | + .000 | +119,529.380 |
| 38 | +106.059 | + .000 | + .000 | + .000 | + .000 | +119,326.915 |
| 39 | +106.100 | + .000 | + .000 | + .000 | + .000 | +121,686.876 |
| 40 | +103.087 | + .000 | + .000 | + .000 | + .000 | +109,994.620 |
| 41 | +101.105 | + .000 | + .000 | + .000 | + .000 | +88,618.413 |
| 42 | +97.059 | + .000 | + .000 | + .000 | + .000 | +80,285.518 |

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|----|---------|-------|-------|-------|-------|--------------|
| 43 | +90.247 | +.000 | +.000 | +.000 | +.000 | +86,436.890 |
| 44 | +84.798 | +.000 | +.000 | +.000 | +.000 | +79,850.254 |
| 45 | +80.587 | +.000 | +.000 | +.000 | +.000 | +83,172.198 |
| 46 | +75.385 | +.000 | +.000 | +.000 | +.000 | +69,732.303 |
| 47 | +68.325 | +.000 | +.000 | +.000 | +.000 | +133,895.913 |
| 48 | +64.279 | +.000 | +.000 | +.000 | +.000 | +145,265.679 |