

Date: 11/09/2019

Settlement Day:22/07/2018

SAA Run Number:06

Settlement Run Type:RF

NGESO Version Id:01

Internal Scheme Code:18/19

Internal Scheme Name:2018/2019

Internal Scheme Day: 113

BALANCING SERVICES USE OF SYSTEM CHARGE

TODAY COMPONENTS(£)

YEAR TO DATE(£)

| | | |
|---|----------------|------------------|
| System Operator Balancing Mechanism Costs | +865,066.700 | +105,498,071.720 |
| Balancing Services Contract Cost | +851,622.410 | +103,346,291.210 |
| Balancing Services Cost Variable | +43,387.330 | +32,348,409.520 |
| ESO Incentive Recovery Costs | +41,095.890 | +4,643,835.570 |
| Black Start Capital Costs | +0.000 | +0.000 |
| Black Start Testing Costs | +0.000 | +0.000 |
| Black Start Availability Costs | +92,099.200 | +12,261,125.560 |
| Black Start Other Costs | +0.000 | +1,953,001.100 |
| System Operator Internal Costs | +529,458.360 | +59,828,794.680 |
| System Innovation Costs | +0.000 | +0.000 |
| Prior Year Cost Recovery | +2,296.840 | +259,542.920 |
| EMR Incentive Revenue | +0.000 | +0.000 |
| 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 | +529,458.360 | +59,828,794.680 |
| Total External Costs | +1,895,568.370 | +260,310,277.600 |
| Total Adjusted Energy Volume (MWh) | +1,025,978.429 | |

Date: 11/09/2019

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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 | +20,156.759 | +66,277.729 | +3.28811 |
| 02 | +19,351.494 | +57,990.856 | +2.99671 |
| 03 | +18,411.679 | +48,769.595 | +2.64884 |
| 04 | +18,051.558 | +44,796.289 | +2.48157 |
| 05 | +18,125.466 | +57,875.765 | +3.19306 |
| 06 | +18,106.717 | +57,120.183 | +3.15464 |
| 07 | +18,381.144 | +50,110.338 | +2.72618 |
| 08 | +18,321.484 | +50,264.603 | +2.74348 |
| 09 | +18,392.659 | +58,458.224 | +3.17835 |
| 10 | +18,194.769 | +61,008.709 | +3.35309 |
| 11 | +18,111.786 | +60,762.903 | +3.35488 |
| 12 | +17,995.328 | +59,779.550 | +3.32195 |
| 13 | +18,186.367 | +56,327.199 | +3.09722 |
| 14 | +18,301.420 | +53,044.692 | +2.89839 |
| 15 | +18,512.142 | +49,447.457 | +2.67108 |
| 16 | +18,787.277 | +38,197.761 | +2.03317 |
| 17 | +19,657.739 | +35,376.468 | +1.79962 |
| 18 | +20,384.796 | +34,145.705 | +1.67506 |
| 19 | +21,118.262 | +44,327.571 | +2.09902 |
| 20 | +21,402.133 | +51,982.862 | +2.42886 |
| 21 | +21,462.906 | +58,101.086 | +2.70705 |
| 22 | +21,425.098 | +60,380.713 | +2.81822 |
| 23 | +21,559.244 | +37,644.287 | +1.74609 |
| 24 | +21,558.573 | +35,889.737 | +1.66475 |
| 25 | +21,708.641 | +45,642.953 | +2.10252 |
| 26 | +21,544.402 | +41,711.302 | +1.93606 |
| 27 | +21,157.607 | +45,423.614 | +2.14692 |
| 28 | +20,644.893 | +29,056.028 | +1.40742 |
| 29 | +20,533.315 | +28,080.755 | +1.36757 |
| 30 | +20,629.829 | +32,159.022 | +1.55886 |
| 31 | +20,883.297 | +37,936.404 | +1.81659 |
| 32 | +21,252.764 | +45,801.731 | +2.15510 |
| 33 | +22,046.442 | +43,007.617 | +1.95077 |
| 34 | +23,018.443 | +45,696.831 | +1.98523 |
| 35 | +23,830.259 | +44,276.504 | +1.85800 |
| 36 | +24,592.571 | +60,703.828 | +2.46838 |
| 37 | +25,082.485 | +55,880.173 | +2.22786 |
| 38 | +25,508.922 | +67,103.047 | +2.63057 |
| 39 | +25,790.759 | +62,568.748 | +2.42601 |
| 40 | +25,910.538 | +78,337.871 | +3.02340 |
| 41 | +26,003.725 | +58,405.688 | +2.24605 |
| 42 | +25,966.592 | +59,886.455 | +2.30629 |

| | | | |
|----|-------------|-------------|----------|
| 43 | +25,920.486 | +49,966.406 | +1.92768 |
| 44 | +25,961.663 | +60,045.519 | +2.31285 |
| 45 | +25,671.929 | +43,830.429 | +1.70733 |
| 46 | +24,321.978 | +30,072.639 | +1.23644 |
| 47 | +22,778.299 | +60,828.164 | +2.67044 |
| 48 | +21,261.790 | +70,509.556 | +3.31626 |

Date: 11/09/2019

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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 | +0.01965 | +30,336.60 | +16,734.380 | +6,140.475 | +807.534 | +0.000 |
| 02 | +0.01886 | +23,247.82 | +16,061.599 | +6,140.475 | +775.068 | +0.000 |
| 03 | +0.01795 | +15,406.64 | +15,286.622 | +6,140.475 | +737.671 | +0.000 |
| 04 | +0.01759 | +11,979.30 | +14,980.038 | +6,140.475 | +722.877 | +0.000 |
| 05 | +0.01767 | +27,749.95 | +15,048.168 | +3,327.975 | +726.164 | +0.000 |
| 06 | +0.01765 | +27,024.70 | +15,031.136 | +3,327.975 | +725.342 | +0.000 |
| 07 | +0.01792 | +19,605.38 | +15,261.074 | +3,327.975 | +736.438 | +0.000 |
| 08 | +0.01786 | +19,850.64 | +15,209.976 | +3,327.975 | +733.973 | +0.000 |
| 09 | +0.01793 | +26,815.50 | +15,269.590 | +4,450.575 | +736.849 | +0.000 |
| 10 | +0.01773 | +29,669.30 | +15,099.265 | +4,450.575 | +728.630 | +0.000 |
| 11 | +0.01765 | +29,544.82 | +15,031.136 | +4,450.575 | +725.342 | +0.000 |
| 12 | +0.01754 | +28,728.29 | +14,937.457 | +4,450.575 | +720.822 | +0.000 |
| 13 | +0.01773 | +24,677.79 | +15,099.265 | +4,760.575 | +728.630 | +0.000 |
| 14 | +0.01784 | +21,228.46 | +15,192.944 | +4,760.575 | +733.151 | +0.000 |
| 15 | +0.01804 | +22,221.91 | +15,363.268 | -133.425 | +741.370 | +0.000 |
| 16 | +0.01831 | +10,562.74 | +15,593.206 | -133.425 | +752.466 | +0.000 |
| 17 | +0.01916 | +22,658.36 | +16,317.085 | -16,339.425 | +787.397 | +0.000 |
| 18 | +0.01987 | +20,350.83 | +16,921.737 | -16,339.425 | +816.575 | +0.000 |
| 19 | +0.02058 | +21,268.43 | +17,526.389 | -8,151.925 | +845.753 | +0.000 |
| 20 | +0.02086 | +28,499.08 | +17,764.843 | -8,151.925 | +857.260 | +0.000 |
| 21 | +0.02092 | +31,541.31 | +17,815.941 | -5,166.925 | +859.726 | +0.000 |
| 22 | +0.02088 | +26,201.52 | +17,781.876 | +2,513.155 | +858.082 | +0.000 |
| 23 | +0.02101 | +3,267.94 | +17,892.587 | +2,513.155 | +863.425 | +0.000 |
| 24 | +0.02101 | +1,513.39 | +17,892.587 | +2,513.155 | +863.425 | +0.000 |
| 25 | +0.02116 | +9,833.12 | +18,020.330 | +3,719.155 | +869.589 | +0.000 |
| 26 | +0.02100 | +6,144.12 | +17,884.071 | +3,719.155 | +863.014 | +0.000 |
| 27 | +0.02062 | +10,432.73 | +17,560.454 | +3,719.155 | +847.397 | +0.000 |
| 28 | +0.02012 | +2,503.51 | +17,134.643 | -3,960.925 | +826.849 | +0.000 |
| 29 | +0.02001 | +1,695.06 | +17,040.964 | -3,960.925 | +822.329 | +0.000 |
| 30 | +0.02011 | +5,621.67 | +17,126.127 | -3,960.925 | +826.438 | +0.000 |
| 31 | +0.02035 | +11,699.15 | +17,330.516 | -4,625.000 | +836.301 | +0.000 |
| 32 | +0.02071 | +19,018.51 | +17,637.100 | -4,625.000 | +851.096 | +0.000 |
| 33 | +0.02149 | +15,041.47 | +18,301.366 | -4,625.000 | +883.151 | +0.000 |
| 34 | +0.02244 | +16,289.94 | +19,110.407 | -4,625.000 | +922.192 | +0.000 |
| 35 | +0.02323 | +13,671.52 | +19,783.189 | -4,625.000 | +954.658 | +0.000 |
| 36 | +0.02397 | +24,351.58 | +20,413.389 | +0.000 | +985.068 | +0.000 |
| 37 | +0.02445 | +18,799.97 | +20,822.168 | +0.000 | +1,004.795 | +0.000 |
| 38 | +0.02486 | +29,401.05 | +21,171.333 | +0.000 | +1,021.644 | +0.000 |
| 39 | +0.02514 | +24,442.11 | +21,409.787 | +0.000 | +1,033.151 | +0.000 |
| 40 | +0.02525 | +32,364.33 | +21,503.466 | +7,680.080 | +1,037.671 | +0.000 |
| 41 | +0.02535 | +12,280.49 | +21,588.628 | +7,680.080 | +1,041.781 | +0.000 |
| 42 | +0.02531 | +13,821.92 | +21,554.563 | +7,680.080 | +1,040.137 | +0.000 |

| | | | | | | |
|----|----------|------------|-------------|------------|------------|-------|
| 43 | +0.02526 | +3,977.70 | +21,511.982 | +7,680.080 | +1,038.082 | +.000 |
| 44 | +0.02530 | +13,996.15 | +21,546.047 | +7,680.080 | +1,039.726 | +.000 |
| 45 | +0.02502 | +5,885.78 | +21,307.593 | +.000 | +1,028.219 | +.000 |
| 46 | +0.02371 | -5,885.30 | +20,191.967 | +.000 | +974.384 | +.000 |
| 47 | +0.02220 | +21,901.75 | +18,906.018 | +5,258.500 | +912.329 | +.000 |
| 48 | +0.02072 | +33,827.67 | +17,645.616 | +5,258.500 | +851.507 | +.000 |

Date: 11/09/2019

Settlement Day:22/07/2018

SAA Run Number:06

Settlement Run Type:RF

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 | +1,809.749 | +0.000 | +10,403.857 | +0.000 | +45.133 |
| 02 | +0.000 | +1,736.991 | +0.000 | +9,985.585 | +0.000 | +43.318 |
| 03 | +0.000 | +1,653.181 | +0.000 | +9,503.778 | +0.000 | +41.228 |
| 04 | +0.000 | +1,620.025 | +0.000 | +9,313.173 | +0.000 | +40.401 |
| 05 | +0.000 | +1,627.393 | +0.000 | +9,355.529 | +0.000 | +40.585 |
| 06 | +0.000 | +1,625.551 | +0.000 | +9,344.940 | +0.000 | +40.539 |
| 07 | +0.000 | +1,650.418 | +0.000 | +9,487.894 | +0.000 | +41.159 |
| 08 | +0.000 | +1,644.892 | +0.000 | +9,456.126 | +0.000 | +41.022 |
| 09 | +0.000 | +1,651.339 | +0.000 | +9,493.188 | +0.000 | +41.182 |
| 10 | +0.000 | +1,632.919 | +0.000 | +9,387.297 | +0.000 | +40.723 |
| 11 | +0.000 | +1,625.551 | +0.000 | +9,344.940 | +0.000 | +40.539 |
| 12 | +0.000 | +1,615.420 | +0.000 | +9,286.700 | +0.000 | +40.287 |
| 13 | +0.000 | +1,632.919 | +0.000 | +9,387.297 | +0.000 | +40.723 |
| 14 | +0.000 | +1,643.050 | +0.000 | +9,445.537 | +0.000 | +40.976 |
| 15 | +0.000 | +1,661.470 | +0.000 | +9,551.429 | +0.000 | +41.435 |
| 16 | +0.000 | +1,686.336 | +0.000 | +9,694.383 | +0.000 | +42.055 |
| 17 | +0.000 | +1,764.621 | +0.000 | +10,144.422 | +0.000 | +44.007 |
| 18 | +0.000 | +1,830.011 | +0.000 | +10,520.338 | +0.000 | +45.638 |
| 19 | +0.000 | +1,895.402 | +0.000 | +10,896.253 | +0.000 | +47.269 |
| 20 | +0.000 | +1,921.189 | +0.000 | +11,044.501 | +0.000 | +47.912 |
| 21 | +0.000 | +1,926.715 | +0.000 | +11,076.269 | +0.000 | +48.050 |
| 22 | +0.000 | +1,923.031 | +0.000 | +11,055.091 | +0.000 | +47.958 |
| 23 | +0.000 | +1,935.004 | +0.000 | +11,123.920 | +0.000 | +48.257 |
| 24 | +0.000 | +1,935.004 | +0.000 | +11,123.920 | +0.000 | +48.257 |
| 25 | +0.000 | +1,948.819 | +0.000 | +11,203.339 | +0.000 | +48.601 |
| 26 | +0.000 | +1,934.083 | +0.000 | +11,118.626 | +0.000 | +48.234 |
| 27 | +0.000 | +1,899.086 | +0.000 | +10,917.431 | +0.000 | +47.361 |
| 28 | +0.000 | +1,853.036 | +0.000 | +10,652.702 | +0.000 | +46.212 |
| 29 | +0.000 | +1,842.905 | +0.000 | +10,594.462 | +0.000 | +45.960 |
| 30 | +0.000 | +1,852.115 | +0.000 | +10,647.408 | +0.000 | +46.189 |
| 31 | +0.000 | +1,874.219 | +0.000 | +10,774.478 | +0.000 | +46.741 |
| 32 | +0.000 | +1,907.374 | +0.000 | +10,965.083 | +0.000 | +47.568 |
| 33 | +0.000 | +1,979.212 | +0.000 | +11,378.060 | +0.000 | +49.359 |
| 34 | +0.000 | +2,066.706 | +0.000 | +11,881.046 | +0.000 | +51.541 |
| 35 | +0.000 | +2,139.464 | +0.000 | +12,299.318 | +0.000 | +53.356 |
| 36 | +0.000 | +2,207.618 | +0.000 | +12,691.117 | +0.000 | +55.055 |
| 37 | +0.000 | +2,251.825 | +0.000 | +12,945.257 | +0.000 | +56.158 |
| 38 | +0.000 | +2,289.586 | +0.000 | +13,162.335 | +0.000 | +57.099 |
| 39 | +0.000 | +2,315.374 | +0.000 | +13,310.583 | +0.000 | +57.743 |
| 40 | +0.000 | +2,325.505 | +0.000 | +13,368.824 | +0.000 | +57.995 |
| 41 | +0.000 | +2,334.715 | +0.000 | +13,421.769 | +0.000 | +58.225 |
| 42 | +0.000 | +2,331.031 | +0.000 | +13,400.591 | +0.000 | +58.133 |

| | | | | | | |
|----|-------|------------|-------|-------------|-------|---------|
| 43 | +.000 | +2,326.426 | +.000 | +13,374.118 | +.000 | +58.018 |
| 44 | +.000 | +2,330.110 | +.000 | +13,395.297 | +.000 | +58.110 |
| 45 | +.000 | +2,304.322 | +.000 | +13,247.048 | +.000 | +57.467 |
| 46 | +.000 | +2,183.672 | +.000 | +12,553.458 | +.000 | +54.458 |
| 47 | +.000 | +2,044.602 | +.000 | +11,753.976 | +.000 | +50.990 |
| 48 | +.000 | +1,908.295 | +.000 | +10,970.377 | +.000 | +47.591 |

Date: 11/09/2019

Settlement Day:22/07/2018

SAA Run Number:06

Settlement Run Type:RF

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 | + .000 | + .000 | + .000 | + .000 | + .000 | +66,277.729 |
| 02 | + .000 | + .000 | + .000 | + .000 | + .000 | +57,990.856 |
| 03 | + .000 | + .000 | + .000 | + .000 | + .000 | +48,769.595 |
| 04 | + .000 | + .000 | + .000 | + .000 | + .000 | +44,796.289 |
| 05 | + .000 | + .000 | + .000 | + .000 | + .000 | +57,875.765 |
| 06 | + .000 | + .000 | + .000 | + .000 | + .000 | +57,120.183 |
| 07 | + .000 | + .000 | + .000 | + .000 | + .000 | +50,110.338 |
| 08 | + .000 | + .000 | + .000 | + .000 | + .000 | +50,264.603 |
| 09 | + .000 | + .000 | + .000 | + .000 | + .000 | +58,458.224 |
| 10 | + .000 | + .000 | + .000 | + .000 | + .000 | +61,008.709 |
| 11 | + .000 | + .000 | + .000 | + .000 | + .000 | +60,762.903 |
| 12 | + .000 | + .000 | + .000 | + .000 | + .000 | +59,779.550 |
| 13 | + .000 | + .000 | + .000 | + .000 | + .000 | +56,327.199 |
| 14 | + .000 | + .000 | + .000 | + .000 | + .000 | +53,044.692 |
| 15 | + .000 | + .000 | + .000 | + .000 | + .000 | +49,447.457 |
| 16 | + .000 | + .000 | + .000 | + .000 | + .000 | +38,197.761 |
| 17 | + .000 | + .000 | + .000 | + .000 | + .000 | +35,376.468 |
| 18 | + .000 | + .000 | + .000 | + .000 | + .000 | +34,145.705 |
| 19 | + .000 | + .000 | + .000 | + .000 | + .000 | +44,327.571 |
| 20 | + .000 | + .000 | + .000 | + .000 | + .000 | +51,982.862 |
| 21 | + .000 | + .000 | + .000 | + .000 | + .000 | +58,101.086 |
| 22 | + .000 | + .000 | + .000 | + .000 | + .000 | +60,380.713 |
| 23 | + .000 | + .000 | + .000 | + .000 | + .000 | +37,644.287 |
| 24 | + .000 | + .000 | + .000 | + .000 | + .000 | +35,889.737 |
| 25 | + .000 | + .000 | + .000 | + .000 | + .000 | +45,642.953 |
| 26 | + .000 | + .000 | + .000 | + .000 | + .000 | +41,711.302 |
| 27 | + .000 | + .000 | + .000 | + .000 | + .000 | +45,423.614 |
| 28 | + .000 | + .000 | + .000 | + .000 | + .000 | +29,056.028 |
| 29 | + .000 | + .000 | + .000 | + .000 | + .000 | +28,080.755 |
| 30 | + .000 | + .000 | + .000 | + .000 | + .000 | +32,159.022 |
| 31 | + .000 | + .000 | + .000 | + .000 | + .000 | +37,936.404 |
| 32 | + .000 | + .000 | + .000 | + .000 | + .000 | +45,801.731 |
| 33 | + .000 | + .000 | + .000 | + .000 | + .000 | +43,007.617 |
| 34 | + .000 | + .000 | + .000 | + .000 | + .000 | +45,696.831 |
| 35 | + .000 | + .000 | + .000 | + .000 | + .000 | +44,276.504 |
| 36 | + .000 | + .000 | + .000 | + .000 | + .000 | +60,703.828 |
| 37 | + .000 | + .000 | + .000 | + .000 | + .000 | +55,880.173 |
| 38 | + .000 | + .000 | + .000 | + .000 | + .000 | +67,103.047 |
| 39 | + .000 | + .000 | + .000 | + .000 | + .000 | +62,568.748 |
| 40 | + .000 | + .000 | + .000 | + .000 | + .000 | +78,337.871 |
| 41 | + .000 | + .000 | + .000 | + .000 | + .000 | +58,405.688 |
| 42 | + .000 | + .000 | + .000 | + .000 | + .000 | +59,886.455 |

| | | | | | | |
|----|-------|-------|-------|-------|-------|-------------|
| 43 | +.000 | +.000 | +.000 | +.000 | +.000 | +49,966.406 |
| 44 | +.000 | +.000 | +.000 | +.000 | +.000 | +60,045.519 |
| 45 | +.000 | +.000 | +.000 | +.000 | +.000 | +43,830.429 |
| 46 | +.000 | +.000 | +.000 | +.000 | +.000 | +30,072.639 |
| 47 | +.000 | +.000 | +.000 | +.000 | +.000 | +60,828.164 |
| 48 | +.000 | +.000 | +.000 | +.000 | +.000 | +70,509.556 |