

Date: 01/07/2019

Settlement Day:23/06/2019

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: 84

BALANCING SERVICES USE OF SYSTEM CHARGE

TODAY COMPONENTS(£)

YEAR TO DATE(£)

| | | |
|---|----------------|------------------|
| System Operator Balancing Mechanism Costs | +976,990.060 | +113,501,006.390 |
| Balancing Services Contract Cost | +796,030.043 | +67,337,888.217 |
| Balancing Services Cost Variable | +770,531.010 | +19,470,922.375 |
| ESO Incentive Recovery Costs | +40,983.610 | +3,442,623.240 |
| Black Start Capital Costs | +0.000 | +0.000 |
| Black Start Testing Costs | +0.000 | +0.000 |
| Black Start Availability Costs | +123,287.671 | +10,356,164.364 |
| Black Start Other Costs | +0.000 | +0.000 |
| System Operator Internal Costs | +824,071.040 | +69,221,967.360 |
| System Innovation Costs | +0.000 | +0.000 |
| Prior Year Cost Recovery | +0.000 | +0.000 |
| EMR Incentive Revenue | +4,128.420 | +346,787.280 |
| 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 | +69,221,967.360 |
| Total External Costs | +2,711,950.814 | +214,455,391.866 |
| Total Adjusted Energy Volume (MWh) | +996,834.199 | |

Date: 01/07/2019

Settlement Day:23/06/2019

SAA Run Number:01

Settlement Run Type:II

NGESO Version Id:01

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 | +18,721.943 | +89,237.845 | +4.76648 |
| 02 | +18,057.595 | +85,166.849 | +4.71640 |
| 03 | +17,681.267 | +80,893.704 | +4.57511 |
| 04 | +17,437.853 | +76,204.729 | +4.37008 |
| 05 | +17,145.333 | +74,451.093 | +4.34235 |
| 06 | +16,758.486 | +71,606.698 | +4.27286 |
| 07 | +16,980.730 | +79,724.448 | +4.69500 |
| 08 | +16,786.231 | +72,958.913 | +4.34635 |
| 09 | +16,958.832 | +71,955.248 | +4.24294 |
| 10 | +16,802.497 | +76,803.313 | +4.57095 |
| 11 | +16,312.014 | +77,193.273 | +4.73230 |
| 12 | +16,349.197 | +79,370.253 | +4.85469 |
| 13 | +16,400.730 | +66,167.518 | +4.03443 |
| 14 | +16,772.499 | +60,004.238 | +3.57754 |
| 15 | +16,969.339 | +48,485.083 | +2.85722 |
| 16 | +18,011.976 | +59,322.939 | +3.29353 |
| 17 | +18,963.241 | +66,513.075 | +3.50747 |
| 18 | +19,655.373 | +72,718.365 | +3.69967 |
| 19 | +20,554.989 | +69,469.696 | +3.37970 |
| 20 | +21,014.266 | +87,347.727 | +4.15659 |
| 21 | +21,158.563 | +80,459.132 | +3.80267 |
| 22 | +21,100.330 | +74,437.512 | +3.52779 |
| 23 | +21,023.219 | +63,190.452 | +3.00575 |
| 24 | +21,275.161 | +69,206.077 | +3.25290 |
| 25 | +21,543.180 | +69,639.522 | +3.23256 |
| 26 | +21,789.349 | +70,534.927 | +3.23713 |
| 27 | +21,952.250 | +69,431.087 | +3.16282 |
| 28 | +22,236.996 | +60,230.332 | +2.70856 |
| 29 | +22,056.436 | +58,900.032 | +2.67042 |
| 30 | +22,131.864 | +50,843.947 | +2.29732 |
| 31 | +22,936.360 | +57,883.313 | +2.52365 |
| 32 | +23,558.698 | +66,464.294 | +2.82122 |
| 33 | +24,150.676 | +72,651.584 | +3.00826 |
| 34 | +24,439.579 | +79,128.129 | +3.23770 |
| 35 | +25,042.381 | +85,130.050 | +3.39944 |
| 36 | +25,378.911 | +92,507.190 | +3.64504 |
| 37 | +25,304.686 | +97,005.275 | +3.83349 |
| 38 | +25,122.628 | +93,789.540 | +3.73327 |
| 39 | +25,010.600 | +90,397.105 | +3.61435 |
| 40 | +24,746.861 | +86,908.154 | +3.51189 |
| 41 | +24,438.319 | +80,664.339 | +3.30073 |
| 42 | +24,307.359 | +74,217.769 | +3.05330 |

| | | | |
|----|-------------|-------------|----------|
| 43 | +23,944.228 | +61,680.219 | +2.57600 |
| 44 | +23,616.855 | +69,682.654 | +2.95055 |
| 45 | +23,038.103 | +69,352.303 | +3.01033 |
| 46 | +21,786.535 | +56,434.627 | +2.59034 |
| 47 | +20,389.897 | +88,821.231 | +4.35614 |
| 48 | +19,019.784 | +80,818.165 | +4.24916 |

Date: 01/07/2019

Settlement Day:23/06/2019

SAA Run Number:01

Settlement Run Type:II

NGESO Version Id:01

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 | +0.01878 | +11,319.65 | +14,949.444 | +44,330.150 | +769.672 | +0.000 |
| 02 | +0.01811 | +8,446.95 | +14,416.104 | +44,330.150 | +742.213 | +0.000 |
| 03 | +0.01774 | +4,091.30 | +14,121.573 | +45,074.400 | +727.049 | +0.000 |
| 04 | +0.01749 | -150.55 | +13,922.565 | +45,074.400 | +716.803 | +0.000 |
| 05 | +0.01720 | -6,408.37 | +13,691.717 | +50,097.250 | +704.918 | +0.000 |
| 06 | +0.01681 | -8,555.25 | +13,381.265 | +50,097.250 | +688.934 | +0.000 |
| 07 | +0.01703 | -1,138.17 | +13,556.392 | +50,404.450 | +697.951 | +0.000 |
| 08 | +0.01684 | -7,563.89 | +13,405.146 | +50,404.450 | +690.164 | +0.000 |
| 09 | +0.01701 | -2,857.95 | +13,540.471 | +44,390.800 | +697.131 | +0.000 |
| 10 | +0.01686 | +2,258.39 | +13,421.067 | +44,390.800 | +690.984 | +0.000 |
| 11 | +0.01636 | -168.62 | +13,023.052 | +48,102.020 | +670.492 | +0.000 |
| 12 | +0.01640 | +1,936.82 | +13,054.893 | +48,102.020 | +672.131 | +0.000 |
| 13 | +0.01645 | -13,667.69 | +13,094.694 | +50,414.370 | +674.180 | +0.000 |
| 14 | +0.01683 | -20,510.60 | +13,397.186 | +50,414.370 | +689.754 | +0.000 |
| 15 | +0.01702 | -7,274.95 | +13,548.431 | +25,319.750 | +697.541 | +0.000 |
| 16 | +0.01807 | +1,684.98 | +14,384.263 | +25,319.750 | +740.574 | +0.000 |
| 17 | +0.01902 | +37,877.84 | +15,140.491 | -5,382.050 | +779.508 | +0.000 |
| 18 | +0.01972 | +42,831.18 | +15,697.712 | -5,382.050 | +808.197 | +0.000 |
| 19 | +0.02062 | +36,691.71 | +16,414.139 | -4,100.900 | +845.082 | +0.000 |
| 20 | +0.02108 | +53,747.03 | +16,780.313 | -4,100.900 | +863.934 | +0.000 |
| 21 | +0.02123 | +46,606.41 | +16,899.718 | -4,117.150 | +870.082 | +0.000 |
| 22 | +0.02117 | +35,757.81 | +16,851.956 | +817.140 | +867.623 | +0.000 |
| 23 | +0.02109 | +21,478.93 | +16,788.274 | +3,992.040 | +864.344 | +0.000 |
| 24 | +0.02134 | +27,047.43 | +16,987.281 | +3,992.040 | +874.590 | +0.000 |
| 25 | +0.02161 | +26,759.73 | +17,202.209 | +4,230.290 | +885.656 | +0.000 |
| 26 | +0.02186 | +27,208.01 | +17,401.217 | +4,230.290 | +895.902 | +0.000 |
| 27 | +0.02202 | +25,752.26 | +17,528.582 | +4,296.040 | +902.459 | +0.000 |
| 28 | +0.02231 | +20,967.13 | +17,759.430 | -638.250 | +914.344 | +0.000 |
| 29 | +0.02213 | +20,065.51 | +17,616.145 | -745.000 | +906.967 | +0.000 |
| 30 | +0.02220 | +11,884.23 | +17,671.867 | -745.000 | +909.836 | +0.000 |
| 31 | +0.02301 | +17,541.16 | +18,316.651 | -811.250 | +943.033 | +0.000 |
| 32 | +0.02363 | +25,013.27 | +18,810.190 | -811.250 | +968.443 | +0.000 |
| 33 | +0.02423 | +30,599.46 | +19,287.808 | -1,283.250 | +993.033 | +0.000 |
| 34 | +0.02452 | +36,557.34 | +19,518.657 | -1,283.250 | +1,004.918 | +0.000 |
| 35 | +0.02512 | +40,892.01 | +19,996.275 | -689.100 | +1,029.508 | +0.000 |
| 36 | +0.02546 | +47,661.06 | +20,266.925 | -689.100 | +1,043.443 | +0.000 |
| 37 | +0.02539 | +51,804.24 | +20,211.203 | -209.000 | +1,040.574 | +0.000 |
| 38 | +0.02520 | +48,928.32 | +20,059.957 | -209.000 | +1,032.787 | +0.000 |
| 39 | +0.02509 | +46,861.32 | +19,972.394 | -1,337.700 | +1,028.279 | +0.000 |
| 40 | +0.02483 | +39,218.09 | +19,765.426 | +3,281.590 | +1,017.623 | +0.000 |
| 41 | +0.02452 | +33,420.01 | +19,518.657 | +3,390.290 | +1,004.918 | +0.000 |
| 42 | +0.02438 | +27,223.83 | +19,407.212 | +3,390.290 | +999.180 | +0.000 |

| | | | | | | |
|----|----------|------------|-------------|-------------|----------|-------|
| 43 | +0.02402 | +15,822.64 | +19,120.642 | +2,897.790 | +984.426 | +.000 |
| 44 | +0.02369 | +24,415.28 | +18,857.952 | +2,897.790 | +970.902 | +.000 |
| 45 | +0.02311 | +29,647.93 | +18,396.254 | -1,627.880 | +947.131 | +.000 |
| 46 | +0.02186 | +18,965.88 | +17,401.217 | -1,627.880 | +895.902 | +.000 |
| 47 | +0.02045 | +25,926.89 | +16,278.814 | +26,319.500 | +838.115 | +.000 |
| 48 | +0.01908 | +20,374.07 | +15,188.253 | +26,319.500 | +781.967 | +.000 |

Date: 01/07/2019

Settlement Day:23/06/2019

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 | 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 | +2,315.342 | +0.000 | +15,476.054 | +0.000 | +0.000 |
| 02 | +0.000 | +2,232.740 | +0.000 | +14,923.927 | +0.000 | +0.000 |
| 03 | +0.000 | +2,187.123 | +0.000 | +14,619.020 | +0.000 | +0.000 |
| 04 | +0.000 | +2,156.301 | +0.000 | +14,413.002 | +0.000 | +0.000 |
| 05 | +0.000 | +2,120.548 | +0.000 | +14,174.022 | +0.000 | +0.000 |
| 06 | +0.000 | +2,072.466 | +0.000 | +13,852.634 | +0.000 | +0.000 |
| 07 | +0.000 | +2,099.589 | +0.000 | +14,033.930 | +0.000 | +0.000 |
| 08 | +0.000 | +2,076.164 | +0.000 | +13,877.356 | +0.000 | +0.000 |
| 09 | +0.000 | +2,097.123 | +0.000 | +14,017.448 | +0.000 | +0.000 |
| 10 | +0.000 | +2,078.630 | +0.000 | +13,893.838 | +0.000 | +0.000 |
| 11 | +0.000 | +2,016.986 | +0.000 | +13,481.802 | +0.000 | +0.000 |
| 12 | +0.000 | +2,021.918 | +0.000 | +13,514.765 | +0.000 | +0.000 |
| 13 | +0.000 | +2,028.082 | +0.000 | +13,555.969 | +0.000 | +0.000 |
| 14 | +0.000 | +2,074.932 | +0.000 | +13,869.116 | +0.000 | +0.000 |
| 15 | +0.000 | +2,098.356 | +0.000 | +14,025.689 | +0.000 | +0.000 |
| 16 | +0.000 | +2,227.808 | +0.000 | +14,890.964 | +0.000 | +0.000 |
| 17 | +0.000 | +2,344.932 | +0.000 | +15,673.831 | +0.000 | +0.000 |
| 18 | +0.000 | +2,431.233 | +0.000 | +16,250.681 | +0.000 | +0.000 |
| 19 | +0.000 | +2,542.192 | +0.000 | +16,992.345 | +0.000 | +0.000 |
| 20 | +0.000 | +2,598.904 | +0.000 | +17,371.418 | +0.000 | +0.000 |
| 21 | +0.000 | +2,617.397 | +0.000 | +17,495.028 | +0.000 | +0.000 |
| 22 | +0.000 | +2,610.000 | +0.000 | +17,445.584 | +0.000 | +0.000 |
| 23 | +0.000 | +2,600.137 | +0.000 | +17,379.658 | +0.000 | +0.000 |
| 24 | +0.000 | +2,630.959 | +0.000 | +17,585.676 | +0.000 | +0.000 |
| 25 | +0.000 | +2,664.247 | +0.000 | +17,808.175 | +0.000 | +0.000 |
| 26 | +0.000 | +2,695.068 | +0.000 | +18,014.193 | +0.000 | +0.000 |
| 27 | +0.000 | +2,714.795 | +0.000 | +18,146.044 | +0.000 | +0.000 |
| 28 | +0.000 | +2,750.548 | +0.000 | +18,385.025 | +0.000 | +0.000 |
| 29 | +0.000 | +2,728.356 | +0.000 | +18,236.692 | +0.000 | +0.000 |
| 30 | +0.000 | +2,736.986 | +0.000 | +18,294.377 | +0.000 | +0.000 |
| 31 | +0.000 | +2,836.849 | +0.000 | +18,961.875 | +0.000 | +0.000 |
| 32 | +0.000 | +2,913.288 | +0.000 | +19,472.799 | +0.000 | +0.000 |
| 33 | +0.000 | +2,987.260 | +0.000 | +19,967.241 | +0.000 | +0.000 |
| 34 | +0.000 | +3,023.014 | +0.000 | +20,206.222 | +0.000 | +0.000 |
| 35 | +0.000 | +3,096.986 | +0.000 | +20,700.665 | +0.000 | +0.000 |
| 36 | +0.000 | +3,138.904 | +0.000 | +20,980.849 | +0.000 | +0.000 |
| 37 | +0.000 | +3,130.274 | +0.000 | +20,923.164 | +0.000 | +0.000 |
| 38 | +0.000 | +3,106.849 | +0.000 | +20,766.590 | +0.000 | +0.000 |
| 39 | +0.000 | +3,093.288 | +0.000 | +20,675.942 | +0.000 | +0.000 |
| 40 | +0.000 | +3,061.233 | +0.000 | +20,461.684 | +0.000 | +0.000 |
| 41 | +0.000 | +3,023.014 | +0.000 | +20,206.222 | +0.000 | +0.000 |
| 42 | +0.000 | +3,005.753 | +0.000 | +20,090.852 | +0.000 | +0.000 |

| | | | | | | |
|----|-------|------------|-------|-------------|-------|-------|
| 43 | +.000 | +2,961.370 | +.000 | +19,794.186 | +.000 | +.000 |
| 44 | +.000 | +2,920.685 | +.000 | +19,522.243 | +.000 | +.000 |
| 45 | +.000 | +2,849.178 | +.000 | +19,044.282 | +.000 | +.000 |
| 46 | +.000 | +2,695.068 | +.000 | +18,014.193 | +.000 | +.000 |
| 47 | +.000 | +2,521.233 | +.000 | +16,852.253 | +.000 | +.000 |
| 48 | +.000 | +2,352.329 | +.000 | +15,723.275 | +.000 | +.000 |

Date: 01/07/2019

Settlement Day:23/06/2019

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 | +77.532 | +0.000 | +0.000 | +0.000 | +0.000 | +89,237.845 |
| 02 | +74.766 | +0.000 | +0.000 | +0.000 | +0.000 | +85,166.849 |
| 03 | +73.238 | +0.000 | +0.000 | +0.000 | +0.000 | +80,893.704 |
| 04 | +72.206 | +0.000 | +0.000 | +0.000 | +0.000 | +76,204.729 |
| 05 | +71.009 | +0.000 | +0.000 | +0.000 | +0.000 | +74,451.093 |
| 06 | +69.399 | +0.000 | +0.000 | +0.000 | +0.000 | +71,606.698 |
| 07 | +70.307 | +0.000 | +0.000 | +0.000 | +0.000 | +79,724.448 |
| 08 | +69.523 | +0.000 | +0.000 | +0.000 | +0.000 | +72,958.913 |
| 09 | +70.224 | +0.000 | +0.000 | +0.000 | +0.000 | +71,955.248 |
| 10 | +69.605 | +0.000 | +0.000 | +0.000 | +0.000 | +76,803.313 |
| 11 | +67.541 | +0.000 | +0.000 | +0.000 | +0.000 | +77,193.273 |
| 12 | +67.706 | +0.000 | +0.000 | +0.000 | +0.000 | +79,370.253 |
| 13 | +67.913 | +0.000 | +0.000 | +0.000 | +0.000 | +66,167.518 |
| 14 | +69.481 | +0.000 | +0.000 | +0.000 | +0.000 | +60,004.238 |
| 15 | +70.266 | +0.000 | +0.000 | +0.000 | +0.000 | +48,485.083 |
| 16 | +74.601 | +0.000 | +0.000 | +0.000 | +0.000 | +59,322.939 |
| 17 | +78.523 | +0.000 | +0.000 | +0.000 | +0.000 | +66,513.075 |
| 18 | +81.412 | +0.000 | +0.000 | +0.000 | +0.000 | +72,718.365 |
| 19 | +85.128 | +0.000 | +0.000 | +0.000 | +0.000 | +69,469.696 |
| 20 | +87.027 | +0.000 | +0.000 | +0.000 | +0.000 | +87,347.727 |
| 21 | +87.646 | +0.000 | +0.000 | +0.000 | +0.000 | +80,459.132 |
| 22 | +87.399 | +0.000 | +0.000 | +0.000 | +0.000 | +74,437.512 |
| 23 | +87.068 | +0.000 | +0.000 | +0.000 | +0.000 | +63,190.452 |
| 24 | +88.100 | +0.000 | +0.000 | +0.000 | +0.000 | +69,206.077 |
| 25 | +89.215 | +0.000 | +0.000 | +0.000 | +0.000 | +69,639.522 |
| 26 | +90.247 | +0.000 | +0.000 | +0.000 | +0.000 | +70,534.927 |
| 27 | +90.908 | +0.000 | +0.000 | +0.000 | +0.000 | +69,431.087 |
| 28 | +92.105 | +0.000 | +0.000 | +0.000 | +0.000 | +60,230.332 |
| 29 | +91.362 | +0.000 | +0.000 | +0.000 | +0.000 | +58,900.032 |
| 30 | +91.651 | +0.000 | +0.000 | +0.000 | +0.000 | +50,843.947 |
| 31 | +94.995 | +0.000 | +0.000 | +0.000 | +0.000 | +57,883.313 |
| 32 | +97.555 | +0.000 | +0.000 | +0.000 | +0.000 | +66,464.294 |
| 33 | +100.032 | +0.000 | +0.000 | +0.000 | +0.000 | +72,651.584 |
| 34 | +101.229 | +0.000 | +0.000 | +0.000 | +0.000 | +79,128.129 |
| 35 | +103.706 | +0.000 | +0.000 | +0.000 | +0.000 | +85,130.050 |
| 36 | +105.110 | +0.000 | +0.000 | +0.000 | +0.000 | +92,507.190 |
| 37 | +104.821 | +0.000 | +0.000 | +0.000 | +0.000 | +97,005.275 |
| 38 | +104.036 | +0.000 | +0.000 | +0.000 | +0.000 | +93,789.540 |
| 39 | +103.582 | +0.000 | +0.000 | +0.000 | +0.000 | +90,397.105 |
| 40 | +102.509 | +0.000 | +0.000 | +0.000 | +0.000 | +86,908.154 |
| 41 | +101.229 | +0.000 | +0.000 | +0.000 | +0.000 | +80,664.339 |
| 42 | +100.651 | +0.000 | +0.000 | +0.000 | +0.000 | +74,217.769 |

| | | | | | | |
|----|---------|-------|-------|-------|-------|-------------|
| 43 | +99.165 | +.000 | +.000 | +.000 | +.000 | +61,680.219 |
| 44 | +97.802 | +.000 | +.000 | +.000 | +.000 | +69,682.654 |
| 45 | +95.408 | +.000 | +.000 | +.000 | +.000 | +69,352.303 |
| 46 | +90.247 | +.000 | +.000 | +.000 | +.000 | +56,434.627 |
| 47 | +84.426 | +.000 | +.000 | +.000 | +.000 | +88,821.231 |
| 48 | +78.770 | +.000 | +.000 | +.000 | +.000 | +80,818.165 |