

Date: 13/01/2021

Settlement Day:20/11/2019

SAA Run Number:06

Settlement Run Type:RF

NGESO Version Id:01

Internal Scheme Code:19/20

Internal Scheme Name:2019/2020

Internal Scheme Day: 234

BALANCING SERVICES USE OF SYSTEM CHARGE

TODAY COMPONENTS(£)

YEAR TO DATE(£)

Daily Cashflow SO BM	+869,858.740	+391,262,169.650
Daily Cashflow SO RR	+0.000	+0.000
Daily Total SO Cashflow	+852,875.490	+386,181,600.120
Balancing Services Contract Cost	+672,062.597	+212,731,663.316
Balancing Services Cost Variable	+1,875,965.480	+102,057,506.130
ESO Incentive Recovery Costs	-21,485.790	+5,047,906.370
Black Start Capital Costs	+4,092.783	+115,538.880
Black Start Testing Costs	+0.000	+203,621.826
Black Start Availability Costs	+120,631.350	+27,033,656.566
Black Start Other Costs	+0.000	+69,815.007
System Operator Internal Costs	+824,071.040	+192,832,623.360
System Innovation Costs	+0.000	+0.000
Prior Year Cost Recovery	+6,307.920	+1,476,053.280
EMR Incentive Revenue	+0.000	+0.000
ESO Incentive Recovery t-1	+0.000	+0.000
ALoMCP Recovery	+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	+192,832,623.360
Total External Costs	+3,510,449.830	+734,917,361.495
Total Adjusted Energy Volume (MWh)	+1,639,841.905	

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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	+25,523.800	+65,374.089	+2.56130
02	+25,879.968	+69,883.839	+2.70031
03	+26,215.912	+64,093.652	+2.44484
04	+26,227.354	+70,699.732	+2.69565
05	+26,167.340	+73,635.111	+2.81401
06	+25,897.967	+73,023.736	+2.81967
07	+25,900.335	+73,504.056	+2.83796
08	+25,534.437	+73,133.636	+2.86412
09	+25,519.524	+77,747.999	+3.04661
10	+25,399.828	+76,266.412	+3.00263
11	+25,608.781	+94,541.670	+3.69177
12	+27,007.764	+87,483.498	+3.23920
13	+30,435.557	+78,887.589	+2.59195
14	+33,625.817	+71,927.035	+2.13904
15	+36,569.354	+128,746.682	+3.52062
16	+37,534.680	+123,556.213	+3.29179
17	+37,879.465	+106,534.136	+2.81245
18	+37,832.416	+109,522.765	+2.89495
19	+38,335.813	+89,384.286	+2.33161
20	+38,325.063	+82,931.489	+2.16390
21	+38,085.753	+99,554.954	+2.61397
22	+37,776.507	+89,416.895	+2.36700
23	+37,754.497	+99,018.921	+2.62271
24	+37,720.820	+102,379.688	+2.71414
25	+37,881.356	+105,692.186	+2.79008
26	+37,891.368	+102,759.432	+2.71195
27	+37,864.073	+106,075.509	+2.80148
28	+37,849.787	+104,194.572	+2.75284
29	+38,073.970	+100,361.257	+2.63595
30	+37,923.914	+85,860.616	+2.26402
31	+38,596.380	+69,001.375	+1.78777
32	+39,777.683	+85,838.324	+2.15795
33	+41,182.998	+90,407.682	+2.19527
34	+41,877.280	+112,510.615	+2.68667
35	+41,549.012	+94,550.599	+2.27564
36	+41,317.026	+97,352.783	+2.35624
37	+41,052.856	+85,132.928	+2.07374
38	+40,860.017	+62,511.303	+1.52989
39	+40,575.296	+55,212.661	+1.36075
40	+39,694.044	+74,248.040	+1.87051
41	+38,190.656	+80,111.875	+2.09768
42	+36,675.314	+77,130.579	+2.10307

43	+34,828.222	+81,774.911	+2.34795
44	+32,781.061	+92,773.471	+2.83009
45	+30,771.269	+99,474.215	+3.23270
46	+28,679.214	+104,721.341	+3.65147
47	+26,169.376	+135,661.661	+5.18399
48	+25,020.981	+149,946.965	+5.99285

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BALANCING SERVICES USE OF SYSTEM CHARGE - SETTLEMENT PERIOD COMPONENTS

Settlement Period	Total Adjustment Energy factor Volume	Cashflow SO BM Cost (£)	Cashflow SO RR Cost (£)	Total SO Cashflow Cost (£)	Balancing Services Contract Cost (£)	Balancing Services Cost Variable (£)
01	+0.01556	+20,229.86	+0.00	+20,036.58	+10,457.294	+20,353.130
02	+0.01578	+24,754.97	+0.00	+24,193.08	+10,605.148	+20,353.130
03	+0.01599	+22,960.52	+0.00	+22,764.08	+10,746.281	+15,654.750
04	+0.01599	+29,608.39	+0.00	+29,370.16	+10,746.281	+15,654.750
05	+0.01596	+33,117.39	+0.00	+32,880.71	+10,726.119	+15,127.750
06	+0.01579	+32,869.28	+0.00	+32,542.30	+10,611.868	+15,127.750
07	+0.01579	+33,824.47	+0.00	+33,617.74	+10,611.868	+14,532.630
08	+0.01557	+33,846.56	+0.00	+33,600.57	+10,464.015	+14,532.630
09	+0.01556	+33,182.29	+0.00	+33,062.62	+10,457.294	+19,701.000
10	+0.01549	+31,857.88	+0.00	+31,693.43	+10,410.250	+19,701.000
11	+0.01562	+25,333.54	+0.00	+24,930.75	+10,497.618	+44,530.200
12	+0.01647	+18,809.81	+0.00	+16,507.75	+11,068.871	+44,530.200
13	+0.01856	+8,419.87	+0.00	+7,760.19	+12,473.482	+41,325.980
14	+0.02051	-2,168.98	+0.00	-2,331.44	+13,784.004	+41,325.980
15	+0.02230	-1,068.65	+0.00	-1,680.41	+14,986.996	+94,620.430
16	+0.02289	-7,582.99	+0.00	-7,818.23	+15,383.513	+94,620.430
17	+0.02310	-7,270.62	+0.00	-7,430.44	+15,524.646	+76,873.370
18	+0.02307	-4,170.68	+0.00	-4,393.64	+15,504.484	+76,873.370
19	+0.02338	+883.82	+0.00	+717.45	+15,712.824	+51,126.040
20	+0.02337	-5,418.48	+0.00	-5,719.29	+15,706.103	+51,126.040
21	+0.02323	-13,687.36	+0.00	-13,903.87	+15,612.014	+76,158.880
22	+0.02304	-23,554.58	+0.00	-23,736.85	+15,484.322	+76,158.880
23	+0.02302	-13,074.14	+0.00	-13,193.86	+15,470.881	+75,250.030
24	+0.02300	-9,686.74	+0.00	-9,800.98	+15,457.440	+75,250.030
25	+0.02310	-6,356.20	+0.00	-6,454.59	+15,524.646	+75,055.570
26	+0.02311	-9,275.44	+0.00	-9,403.40	+15,531.367	+75,055.570
27	+0.02309	-16,192.16	+0.00	-16,338.89	+15,517.925	+85,339.250
28	+0.02308	-17,949.14	+0.00	-18,203.77	+15,511.205	+85,339.250
29	+0.02322	-22,864.05	+0.00	-23,428.63	+15,605.294	+86,506.000
30	+0.02313	-37,721.18	+0.00	-37,784.76	+15,544.808	+86,506.000
31	+0.02354	-35,971.32	+0.00	-36,030.90	+15,820.354	+67,234.570
32	+0.02426	-20,230.60	+0.00	-20,350.04	+16,304.239	+67,234.570
33	+0.02511	+2,846.18	+0.00	+2,373.69	+16,875.492	+47,715.370
34	+0.02554	+24,587.64	+0.00	+23,786.18	+17,164.479	+47,715.370
35	+0.02534	+49,032.85	+0.00	+48,482.73	+17,030.066	+5,379.940
36	+0.02520	+52,290.02	+0.00	+51,509.71	+16,935.977	+5,379.940
37	+0.02503	+39,863.86	+0.00	+39,562.82	+16,821.727	+5,379.940
38	+0.02492	+17,178.60	+0.00	+17,117.82	+16,747.800	+5,379.940
39	+0.02474	+10,212.33	+0.00	+10,108.20	+16,626.829	+5,379.940
40	+0.02421	+30,103.56	+0.00	+29,994.59	+16,270.635	+5,379.940
41	+0.02329	+37,641.16	+0.00	+37,335.65	+15,652.338	+5,379.940
42	+0.02237	+41,453.60	+0.00	+41,211.52	+15,034.040	+0.000

43	+0.02124	+48,866.88	+.00	+47,670.27	+14,274.610	+.000
44	+0.01999	+60,902.53	+.00	+60,675.93	+13,434.531	+.000
45	+0.01876	+70,507.94	+.00	+69,351.66	+12,607.894	+.000
46	+0.01749	+76,197.40	+.00	+75,978.00	+11,754.375	+660.000
47	+0.01596	+98,571.51	+.00	+98,317.01	+10,726.119	+11,718.000
48	+0.01526	+114,147.34	+.00	+113,726.29	+10,255.675	+11,718.000

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BALANCING SERVICES USE OF SYSTEM CHARGE - SETTLEMENT PERIOD COMPONENTS CONT D...

Settlement Period	ESO Incentive Recovery Costs	Black Start Capital Costs	Black Start Testing Costs	Black Start Availability Costs	Black Start Other Costs	System Operator Internal Costs(£)
01	-334.319	+63.684	+0.000	+1,877.024	+0.000	+12,822.545
02	-339.046	+64.584	+0.000	+1,903.563	+0.000	+13,003.841
03	-343.558	+65.444	+0.000	+1,928.895	+0.000	+13,176.896
04	-343.558	+65.444	+0.000	+1,928.895	+0.000	+13,176.896
05	-342.913	+65.321	+0.000	+1,925.276	+0.000	+13,152.174
06	-339.261	+64.625	+0.000	+1,904.769	+0.000	+13,012.082
07	-339.261	+64.625	+0.000	+1,904.769	+0.000	+13,012.082
08	-334.534	+63.725	+0.000	+1,878.230	+0.000	+12,830.786
09	-334.319	+63.684	+0.000	+1,877.024	+0.000	+12,822.545
10	-332.815	+63.397	+0.000	+1,868.580	+0.000	+12,764.860
11	-335.608	+63.929	+0.000	+1,884.262	+0.000	+12,871.990
12	-353.871	+67.408	+0.000	+1,986.798	+0.000	+13,572.450
13	-398.776	+75.962	+0.000	+2,238.918	+0.000	+15,294.759
14	-440.674	+83.943	+0.000	+2,474.149	+0.000	+16,901.697
15	-479.133	+91.269	+0.000	+2,690.079	+0.000	+18,376.784
16	-491.810	+93.684	+0.000	+2,761.252	+0.000	+18,862.986
17	-496.322	+94.543	+0.000	+2,786.584	+0.000	+19,036.041
18	-495.677	+94.421	+0.000	+2,782.965	+0.000	+19,011.319
19	-502.338	+95.689	+0.000	+2,820.361	+0.000	+19,266.781
20	-502.123	+95.648	+0.000	+2,819.155	+0.000	+19,258.540
21	-499.115	+95.075	+0.000	+2,802.266	+0.000	+19,143.170
22	-495.033	+94.298	+0.000	+2,779.346	+0.000	+18,986.597
23	-494.603	+94.216	+0.000	+2,776.934	+0.000	+18,970.115
24	-494.173	+94.134	+0.000	+2,774.521	+0.000	+18,953.634
25	-496.322	+94.543	+0.000	+2,786.584	+0.000	+19,036.041
26	-496.537	+94.584	+0.000	+2,787.790	+0.000	+19,044.282
27	-496.107	+94.502	+0.000	+2,785.378	+0.000	+19,027.800
28	-495.892	+94.461	+0.000	+2,784.172	+0.000	+19,019.560
29	-498.900	+95.034	+0.000	+2,801.060	+0.000	+19,134.930
30	-496.966	+94.666	+0.000	+2,790.203	+0.000	+19,060.763
31	-505.775	+96.344	+0.000	+2,839.662	+0.000	+19,398.632
32	-521.245	+99.291	+0.000	+2,926.517	+0.000	+19,991.963
33	-539.508	+102.770	+0.000	+3,029.053	+0.000	+20,692.424
34	-548.747	+104.530	+0.000	+3,080.925	+0.000	+21,046.774
35	-544.450	+103.711	+0.000	+3,056.798	+0.000	+20,881.960
36	-541.442	+103.138	+0.000	+3,039.910	+0.000	+20,766.590
37	-537.789	+102.442	+0.000	+3,019.403	+0.000	+20,626.498
38	-535.426	+101.992	+0.000	+3,006.133	+0.000	+20,535.850
39	-531.558	+101.255	+0.000	+2,984.420	+0.000	+20,387.518
40	-520.171	+99.086	+0.000	+2,920.485	+0.000	+19,950.760
41	-500.404	+95.321	+0.000	+2,809.504	+0.000	+19,192.615
42	-480.637	+91.556	+0.000	+2,698.523	+0.000	+18,434.469

43	-456.358	+86.931	+.000	+2,562.210	+.000	+17,503.269
44	-429.501	+81.815	+.000	+2,411.421	+.000	+16,473.180
45	-403.073	+76.781	+.000	+2,263.044	+.000	+15,459.573
46	-375.786	+71.583	+.000	+2,109.842	+.000	+14,413.002
47	-342.913	+65.321	+.000	+1,925.276	+.000	+13,152.174
48	-327.873	+62.456	+.000	+1,840.834	+.000	+12,575.324

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BALANCING SERVICES USE OF SYSTEM CHARGE - SETTLEMENT PERIOD COMPONENTS CONT D...

Settlement Period	System Innovation Costs(£)	Prior Year Cost Recovery	EMR Incentive Revenue	ESO Incentive Recovery t-1	ALoMCP Recovery	Wind forecast Incentive(£)
01	+.000	+98.151	+.000	+.000	+.000	+.000
02	+.000	+99.539	+.000	+.000	+.000	+.000
03	+.000	+100.864	+.000	+.000	+.000	+.000
04	+.000	+100.864	+.000	+.000	+.000	+.000
05	+.000	+100.674	+.000	+.000	+.000	+.000
06	+.000	+99.602	+.000	+.000	+.000	+.000
07	+.000	+99.602	+.000	+.000	+.000	+.000
08	+.000	+98.214	+.000	+.000	+.000	+.000
09	+.000	+98.151	+.000	+.000	+.000	+.000
10	+.000	+97.710	+.000	+.000	+.000	+.000
11	+.000	+98.530	+.000	+.000	+.000	+.000
12	+.000	+103.891	+.000	+.000	+.000	+.000
13	+.000	+117.075	+.000	+.000	+.000	+.000
14	+.000	+129.375	+.000	+.000	+.000	+.000
15	+.000	+140.667	+.000	+.000	+.000	+.000
16	+.000	+144.388	+.000	+.000	+.000	+.000
17	+.000	+145.713	+.000	+.000	+.000	+.000
18	+.000	+145.524	+.000	+.000	+.000	+.000
19	+.000	+147.479	+.000	+.000	+.000	+.000
20	+.000	+147.416	+.000	+.000	+.000	+.000
21	+.000	+146.533	+.000	+.000	+.000	+.000
22	+.000	+145.334	+.000	+.000	+.000	+.000
23	+.000	+145.208	+.000	+.000	+.000	+.000
24	+.000	+145.082	+.000	+.000	+.000	+.000
25	+.000	+145.713	+.000	+.000	+.000	+.000
26	+.000	+145.776	+.000	+.000	+.000	+.000
27	+.000	+145.650	+.000	+.000	+.000	+.000
28	+.000	+145.587	+.000	+.000	+.000	+.000
29	+.000	+146.470	+.000	+.000	+.000	+.000
30	+.000	+145.902	+.000	+.000	+.000	+.000
31	+.000	+148.488	+.000	+.000	+.000	+.000
32	+.000	+153.030	+.000	+.000	+.000	+.000
33	+.000	+158.392	+.000	+.000	+.000	+.000
34	+.000	+161.104	+.000	+.000	+.000	+.000
35	+.000	+159.843	+.000	+.000	+.000	+.000
36	+.000	+158.960	+.000	+.000	+.000	+.000
37	+.000	+157.887	+.000	+.000	+.000	+.000
38	+.000	+157.193	+.000	+.000	+.000	+.000
39	+.000	+156.058	+.000	+.000	+.000	+.000
40	+.000	+152.715	+.000	+.000	+.000	+.000
41	+.000	+146.911	+.000	+.000	+.000	+.000
42	+.000	+141.108	+.000	+.000	+.000	+.000



43	+.000	+133.980	+.000	+.000	+.000	+.000
44	+.000	+126.095	+.000	+.000	+.000	+.000
45	+.000	+118.337	+.000	+.000	+.000	+.000
46	+.000	+110.326	+.000	+.000	+.000	+.000
47	+.000	+100.674	+.000	+.000	+.000	+.000
48	+.000	+96.259	+.000	+.000	+.000	+.000

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BALANCING SERVICES USE OF SYSTEM CHARGE - SETTLEMENT PERIOD COMPONENTS CONT D...

Settlement Period	Provision of Balancing Services to Others(f)	Total Period BSUoS charges(f)
01	+ .000	+65,374.089
02	+ .000	+69,883.839
03	+ .000	+64,093.652
04	+ .000	+70,699.732
05	+ .000	+73,635.111
06	+ .000	+73,023.736
07	+ .000	+73,504.056
08	+ .000	+73,133.636
09	+ .000	+77,747.999
10	+ .000	+76,266.412
11	+ .000	+94,541.670
12	+ .000	+87,483.498
13	+ .000	+78,887.589
14	+ .000	+71,927.035
15	+ .000	+128,746.682
16	+ .000	+123,556.213
17	+ .000	+106,534.136
18	+ .000	+109,522.765
19	+ .000	+89,384.286
20	+ .000	+82,931.489
21	+ .000	+99,554.954
22	+ .000	+89,416.895
23	+ .000	+99,018.921
24	+ .000	+102,379.688
25	+ .000	+105,692.186
26	+ .000	+102,759.432
27	+ .000	+106,075.509
28	+ .000	+104,194.572
29	+ .000	+100,361.257
30	+ .000	+85,860.616
31	+ .000	+69,001.375
32	+ .000	+85,838.324
33	+ .000	+90,407.682
34	+ .000	+112,510.615
35	+ .000	+94,550.599
36	+ .000	+97,352.783
37	+ .000	+85,132.928
38	+ .000	+62,511.303
39	+ .000	+55,212.661
40	+ .000	+74,248.040
41	+ .000	+80,111.875
42	+ .000	+77,130.579

43	+.000	+81,774.911
44	+.000	+92,773.471
45	+.000	+99,474.215
46	+.000	+104,721.341
47	+.000	+135,661.661
48	+.000	+149,946.965