Appendix: Example of Anticipated Daily Credit/Debt Calculation

The table below shows the details based on theoretical debits and credits that might have occurred for the first twenty days of May 2001.

1	2	3	4	5	6	7	8	9	10	11
Date	SAP (p/kWh)	10 Day Mean SAP	10 Day St Dev SAP	Mean - 1.96 St Dev	Mean + 1.96 St Dev	ADSAP (p/kWh)	Actual Imbalance (kWh)	Rolling Average Imbalance	Daily Credit/ Debt	Anticipated Credit/Debt
1-May-01	0.8193						-737,165		-£6,040	
2-May-01	0.6612						-176,185		-£1,165	
3-May-01	0.6577						-195,566		-£1,286	
4-May-01	0.7014						-238,177		-£1,671	
5-May-01	0.7033						-436,310		-£3,069	
6-May-01	0.7030						-111,306		-£782	
7-May-01	0.7498						-777,304		-£5,828	
8-May-01	0.6400						837,117		£5,358	
9-May-01	0.6035						-536,951		-£3,240	
10-May-01	0.5685						609,478		£3,465	
11-May-01	0.7085	0.6808	0.0719	0.5398	0.8217	0.7085	359,168	-176,237	£2,545	-£1,249
12-May-01	0.6245	0.6697	0.0547	0.5626	0.7768	0.6245	-374,920	-66,604	-£2,341	-£416
13-May-01	0.6875	0.6660	0.0565	0.5553	0.7767	0.6875	-448,208	-86,477	-£3,081	-£595
14-May-01	0.5780	0.6690	0.0568	0.5577	0.7803	0.5780	-25,803	-111,741	-£149	-£646
15-May-01	0.5486	0.6567	0.0621	0.5349	0.7784	0.5486	394,030	-90,504	£2,162	-£497
16-May-01	0.4904	0.6412	0.0682	0.5075	0.7748	0.5075	558,173	-7,470	£2,737	-£38
17-May-01	0.5618	0.6199	0.0790	0.4650	0.7749	0.5618	772,499	59,478	£4,340	£334
18-May-01	0.6817	0.6011	0.0660	0.4717	0.7305	0.6817	247,342	214,458	£1,686	£1,462
19-May-01	0.5770	0.6053	0.0699	0.4682	0.7424	0.5770	883,815	155,481	£5,100	£897
20-May-01	0.6043	0.6027	0.0705	0.4644	0.7409	0.6043	721,794	297,557	£4,362	£1,798

Notes:

1. Column 3 is the mean of the SAPs for the previous 10 days. The value for the 11th May is therefore the mean SAP for the period of 1st to 10th May inclusive.

2. Column 3 is the standard deviation of the SAPs for the previous 10 days. The value for the 11th May is therefore the standard deviation for the period of 1st to 10th May inclusive.

3. Column 7 is the SAP unless it is outside than the 95% confidence limits that are shown in columns 5 and 6. This can be observed on 16th May where the SAP of 0.4904 was overwritten by the lower 95% confidence limit for the previous 10 days (0.5075). (For a normal distribution, the 95% confidence limits are the mean plus and minus 1.96 times the standard deviation.)

4. Column 11 is column 7 times column 9. This value is then superseded in the credit/debt calculation when the actual imbalance (column 8 value) is known. At the stage where this imbalance is known the actual SAP (column 2) is then used to calculate the credit/debt.

5. For each day, for the purpose of determining the debt/credit, the cumulative value is applied for determining indebtedness. This will incorporate the value in column 11 until the value in column 10 is known.