

**Please note:**

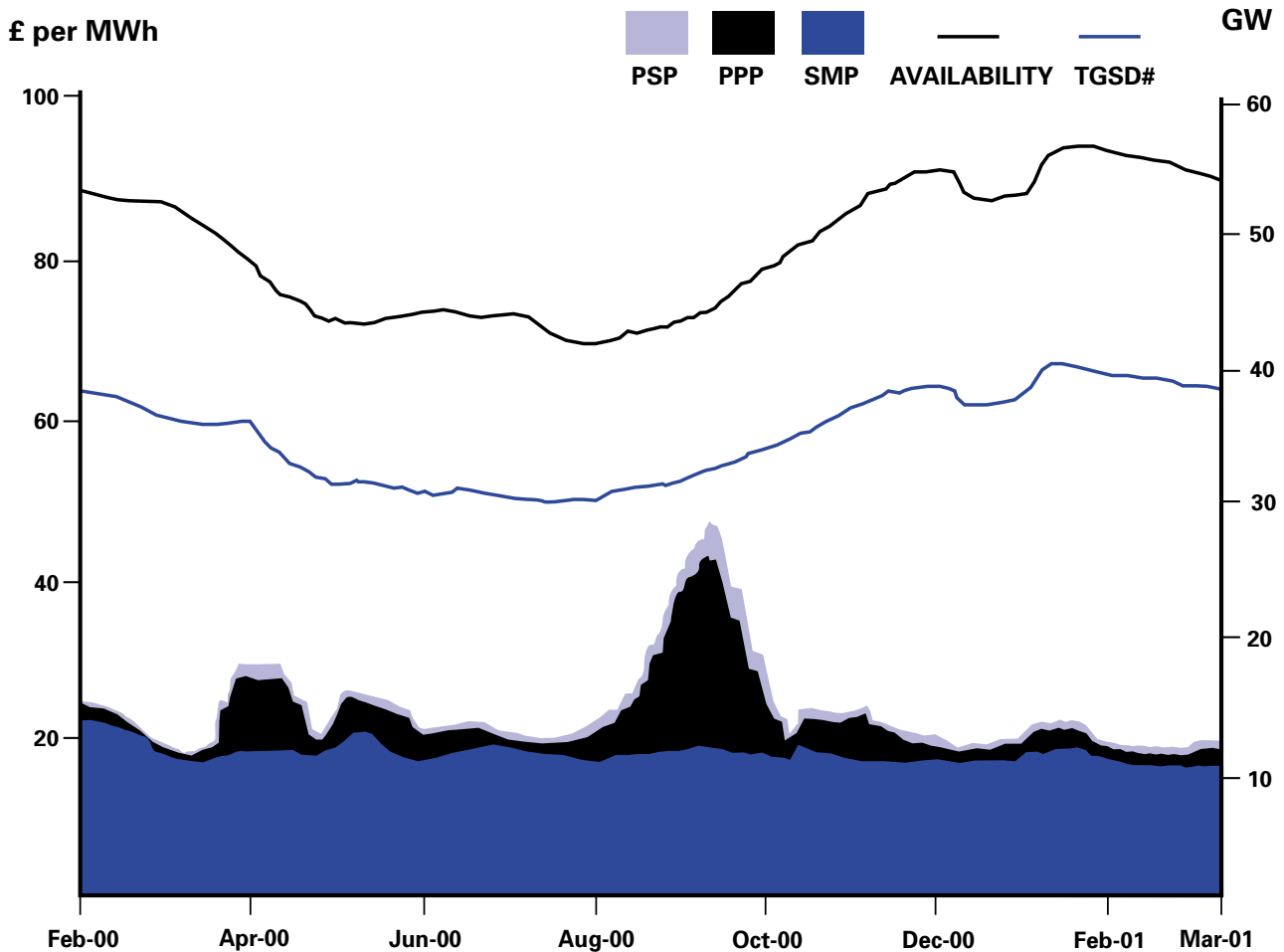
All data in this document relating to March 2001 is taken from the provisional run rather than final settlement run.

## Headline Statistics

	February 2001				March 2001			
	Min	Max	Avg	Weighted Avg	Min	Max	Avg	Weighted Avg
System Marginal Price (£/MWh)	10.00	54.55	18.61		8.00	44.44	18.57	
Pool Purchase Price (£/MWh)	10.00	56.95	18.77	19.21	8.00	82.59	19.58	20.14
Pool Selling Price (£/MWh)	10.00	58.84	18.96	19.42	8.00	96.99	20.00	20.62
Transmission Services Price (£/MWh)	0.00	1.43	0.70	0.74	0.00	2.21	0.86	0.89
Forecast Demand (GW)	29.67	50.14	39.80		27.98	48.65	38.67	
Actual Demand (GW)	28.88	50.71	39.91		27.27	49.26	38.99	

## Twenty Eight Day Average Prices

From February 2000 to March 2001



# Monthly Average Key Statistics

October 1999 - March 2001

## Monthly Averages

	<b>SMP</b> £/MWh	<b>PPP</b> £/MWh	<b>PSP</b> £/MWh	<b>TSP</b> £/MWh	<b>Forecast Demand</b> GW	<b>Actual Demand</b> GW	<b>Capacity Payment</b> £/kW
<b>October 1999</b>	20.23	21.12	21.36	0.94	33.48	33.76	0.665604
<b>November 1999</b>	20.56	22.87	23.35	0.78	36.83	37.11	1.667318
<b>December 1999</b>	21.74	23.97	24.42	0.77	37.32	37.77	1.653855
<b>January 2000</b>	24.39	30.96	32.10	0.72	38.48	38.62	4.889953
<b>February 2000</b>	22.38	23.37	23.62	0.73	37.86	38.22	0.690586
<b>March 2000</b>	17.35	17.74	17.88	0.64	36.14	36.59	0.289197
<b>April 2000</b>	17.81	25.68	27.38	0.70	33.84	34.26	5.667884
<b>May 2000</b>	19.58	23.94	24.77	0.79	31.14	31.48	3.248412
<b>June 2000</b>	17.06	20.25	20.98	0.67	30.71	31.05	2.294384
<b>July 2000</b>	17.90	18.83	19.08	0.79	29.85	30.30	0.687825
<b>August 2000</b>	17.99	23.59	25.18	0.87	30.12	30.36	4.165648
<b>September 2000</b>	19.75	40.03	44.27	0.78	31.76	32.21	14.599711
<b>October 2000</b>	17.24	22.07	23.21	0.73	34.67	35.04	3.596077
<b>November 2000</b>	16.49	19.89	20.85	0.66	38.15	38.44	2.446781
<b>December 2000</b>	17.05	17.91	18.39	0.78	37.30	37.58	0.641072
<b>January 2001</b>	18.87	20.81	21.58	0.75	40.57	40.71	1.445898
<b>February 2001</b>	18.61	18.77	18.96	0.70	39.80	39.91	0.110047
<b>March 2001</b>	18.57	19.58	20.00	0.86	38.67	38.99	0.629912

N.B. The figures for March are based on Settlement Days 01-26 March only, due to the introduction of NETA.

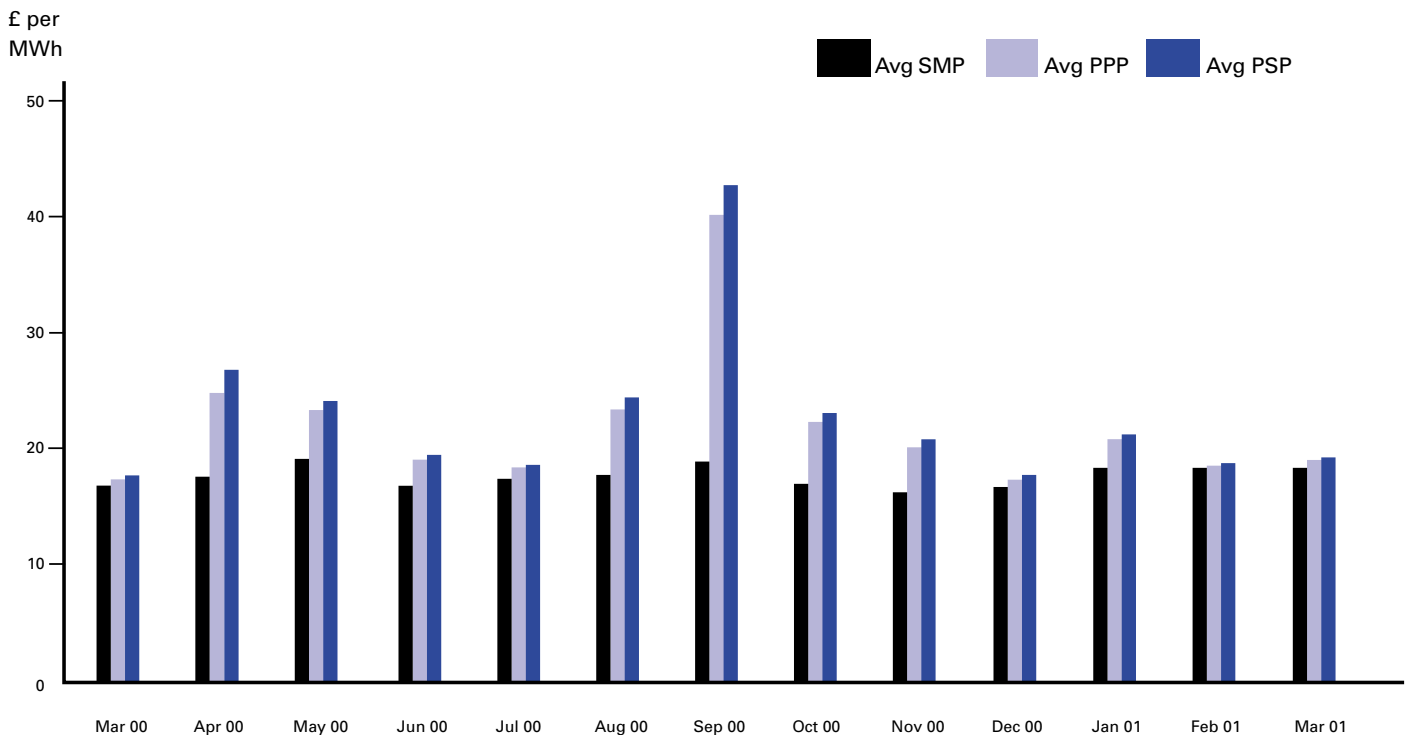
## Average Pool Purchase & Pool Selling Price

	February 2001		March 2001	
	Weekday	Weekend	Weekday	Weekend
<b>PPP (£/MWh)</b>				
Minimum	11.00	10.00	8.00	8.00
Maximum	56.95	39.77	82.59	41.93
Average	19.35	17.32	20.40	17.73
<b>PSP (£/MWh)</b>				
Minimum	11.00	10.00	8.00	8.00
Maximum	58.84	40.07	96.99	42.22
Average	19.59	17.40	20.90	17.99
<b>PSP &amp; TSP (£/MWh)</b>				
Minimum	11.00	10.00	8.00	8.00
Maximum	59.99	41.34	98.55	43.51
Average	20.28	18.12	21.74	18.88

(NB Weekend days include Bank Holidays)

## Monthly Analysis of Pool Prices

March 2000 - March 2001



## Daily Averages

	<b>SMP</b>	<b>PPP</b>	<b>PSP</b>	<b>TSP</b>	<b>FORECAST DEMAND</b>	<b>ACTUAL DEMAND</b>
	(£/MWh)	(£/MWh)	(£/MWh)	(£/MWh)	(GW)	(GW)
01-Feb-01	19.47	20.46	20.94	0.62	42.73	43.50
02-Feb-01	20.95	21.06	21.33	0.63	41.33	42.08
03-Feb-01	20.34	20.34	20.42	0.67	36.48	36.68
04-Feb-01	17.93	17.93	17.92	0.68	35.45	36.01
05-Feb-01	18.91	19.22	19.45	0.70	41.50	41.29
06-Feb-01	17.85	18.01	18.54	0.66	40.99	41.29
07-Feb-01	20.08	20.14	20.13	0.68	40.57	41.13
08-Feb-01	19.82	20.01	20.42	0.78	41.80	41.86
09-Feb-01	16.76	16.79	17.25	0.66	41.33	41.40
10-Feb-01	18.03	18.03	18.28	0.69	36.86	37.47
11-Feb-01	17.05	17.05	17.13	0.75	35.00	34.99
12-Feb-01	20.68	20.79	20.96	0.71	41.18	40.67
13-Feb-01	15.62	15.68	16.06	0.67	41.12	41.31
14-Feb-01	17.59	17.66	17.95	0.67	41.48	41.15
15-Feb-01	19.08	19.17	19.39	0.77	41.36	41.34
16-Feb-01	17.18	17.20	17.38	0.64	40.72	40.70
17-Feb-01	16.43	16.43	16.47	0.74	36.27	36.08
18-Feb-01	15.34	15.34	15.49	0.77	35.26	35.05
19-Feb-01	22.79	22.86	22.81	0.75	41.37	41.28
20-Feb-01	19.41	19.48	19.75	0.70	41.47	41.19
21-Feb-01	17.34	17.38	17.42	0.63	40.58	40.71
22-Feb-01	16.07	16.08	16.35	0.66	40.19	40.46
23-Feb-01	15.59	15.59	15.78	0.69	39.56	40.23
24-Feb-01	17.25	17.25	17.42	0.71	35.75	36.57
25-Feb-01	16.22	16.22	16.06	0.73	35.61	35.55
26-Feb-01	22.97	24.07	24.32	0.91	42.92	41.83
27-Feb-01	22.74	23.40	23.50	0.67	42.68	42.58
28-Feb-01	21.54	21.98	22.03	0.71	42.77	42.97



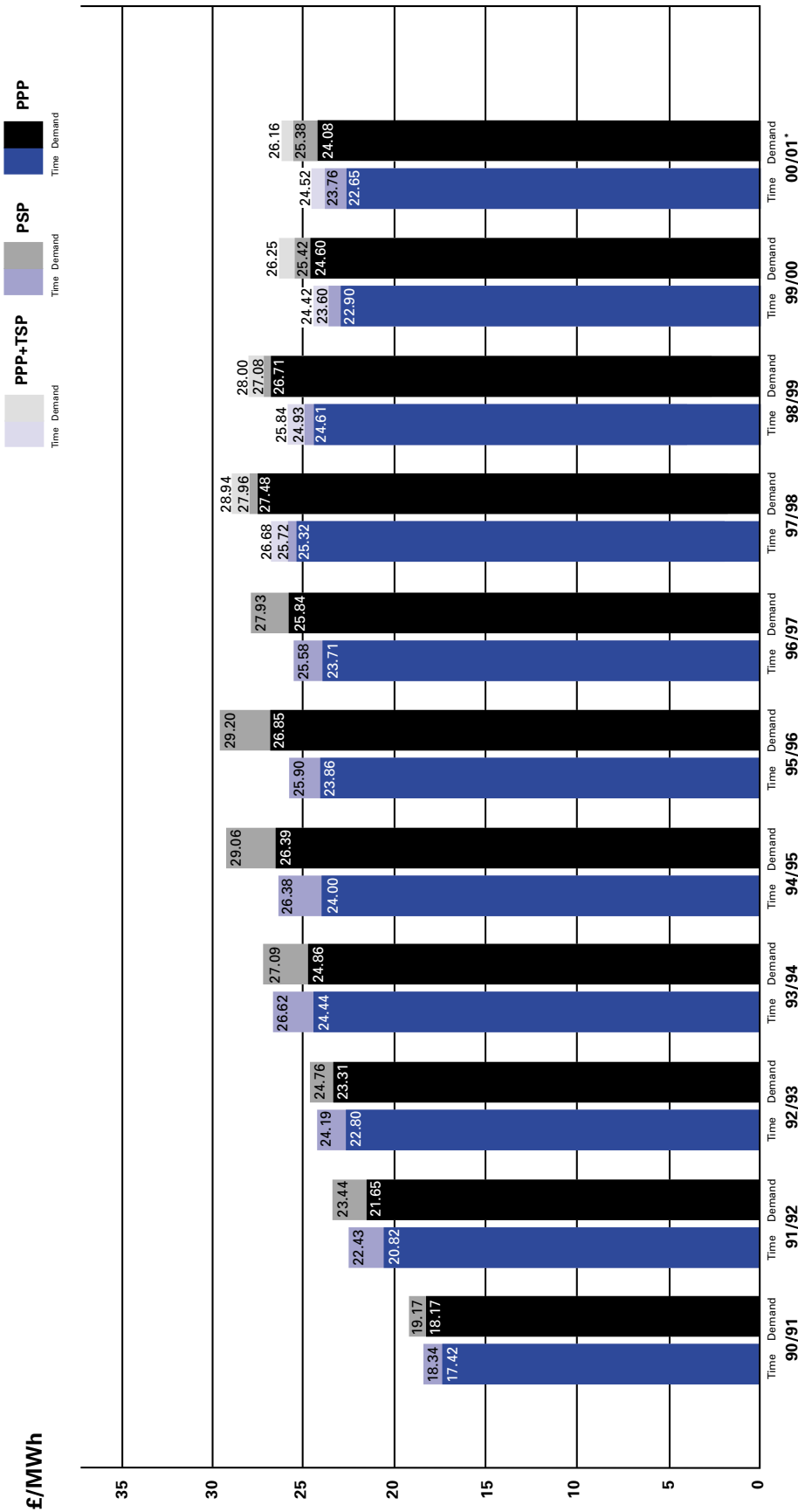
## Statistics by Settlement Period

TIME	February 2001			March 2001		
	Average PPP £/MWh	Actual Demand MW	% of Table B Period	Average PPP £/MWh	Actual Demand MW	% of Table B Period
00:30	15.93	35627.16	85.71	14.63	34930.25	80.77
01:00	16.89	36241.94	64.29	16.67	35529.41	57.69
01:30	17.65	36439.34	57.14	17.31	35768.50	50.00
02:00	17.87	36126.88	50.00	17.21	35570.46	46.15
02:30	16.87	36126.28	60.71	16.19	35524.76	65.38
03:00	17.14	36393.36	60.71	16.50	35663.12	50.00
03:30	16.79	35634.39	67.86	16.52	35037.14	53.85
04:00	15.57	34976.67	85.71	16.35	34369.99	57.69
04:30	14.51	34465.43	96.43	15.55	33915.32	69.23
05:00	13.75	34116.99	96.43	14.39	33398.99	80.77
05:30	14.72	34076.47	85.71	14.55	33294.52	76.92
06:00	13.60	34308.02	96.43	13.30	33605.50	88.46
06:30	13.52	35514.98	100.00	13.45	34835.35	88.46
07:00	14.92	36975.35	75.00	14.28	36098.38	69.23
07:30	17.63	38796.31	39.29	17.18	37811.36	50.00
08:00	17.86	39494.62	32.14	16.98	38664.42	38.46
08:30	18.43	40419.29	28.57	17.58	39669.16	26.92
09:00	21.13	41125.13	10.71	20.36	40268.62	15.38
09:30	20.64	42181.61	10.71	23.19	41197.08	11.54
10:00	21.60	42588.65	0.00	22.93	41614.64	3.85
10:30	20.41	42804.67	0.00	23.34	41775.95	0.00
11:00	20.06	42923.57	0.00	23.82	41880.42	0.00
11:30	20.06	43034.48	0.00	24.33	42006.52	0.00
12:00	20.52	43044.34	0.00	23.66	42064.83	0.00

TIME	February 2001			March 2001		
	Average PPP £/MWh	Actual Demand MW	% of Table B Period	Average PPP £/MWh	Actual Demand MW	% of Table B Period
12:30	22.09	43032.46	0.00	24.56	42074.57	0.00
13:00	21.92	42581.41	0.00	23.90	41598.83	0.00
13:30	19.80	42113.86	3.57	21.14	41264.55	7.69
14:00	18.91	41905.51	10.71	19.39	40996.67	19.23
14:30	19.97	41823.08	14.29	19.97	40968.70	23.08
15:00	19.02	41720.91	39.29	20.14	40852.31	23.08
15:30	17.18	41529.49	60.71	17.09	40680.32	61.54
16:00	15.21	41750.11	78.57	18.09	40869.43	57.69
16:30	14.56	42030.55	78.57	19.60	41142.15	42.31
17:00	16.02	42898.04	60.71	20.80	41610.11	42.31
17:30	20.87	44625.34	28.57	21.58	42090.09	38.46
18:00	28.80	46017.56	0.00	20.88	42465.12	46.15
18:30	33.12	46406.37	0.00	27.22	43859.56	11.54
19:00	29.78	45993.42	0.00	33.18	44696.35	3.85
19:30	24.25	45159.65	0.00	32.97	44334.58	0.00
20:00	21.86	43988.30	0.00	25.99	43388.96	0.00
20:30	20.51	42962.02	0.00	22.79	42420.24	0.00
21:00	20.33	41669.78	0.00	21.07	41206.46	3.85
21:30	20.12	40428.86	0.00	20.32	39982.60	7.69
22:00	18.52	38719.15	21.43	17.92	38278.74	26.92
22:30	15.80	37539.92	67.86	14.92	37010.46	76.92
23:00	14.93	36681.66	92.86	15.41	35943.56	80.77
23:30	15.06	35462.59	96.43	15.60	34827.91	73.08
00:00	14.32	35022.90	100.00	14.57	34312.68	80.77

# Annual Time and Demand Weighted Averages

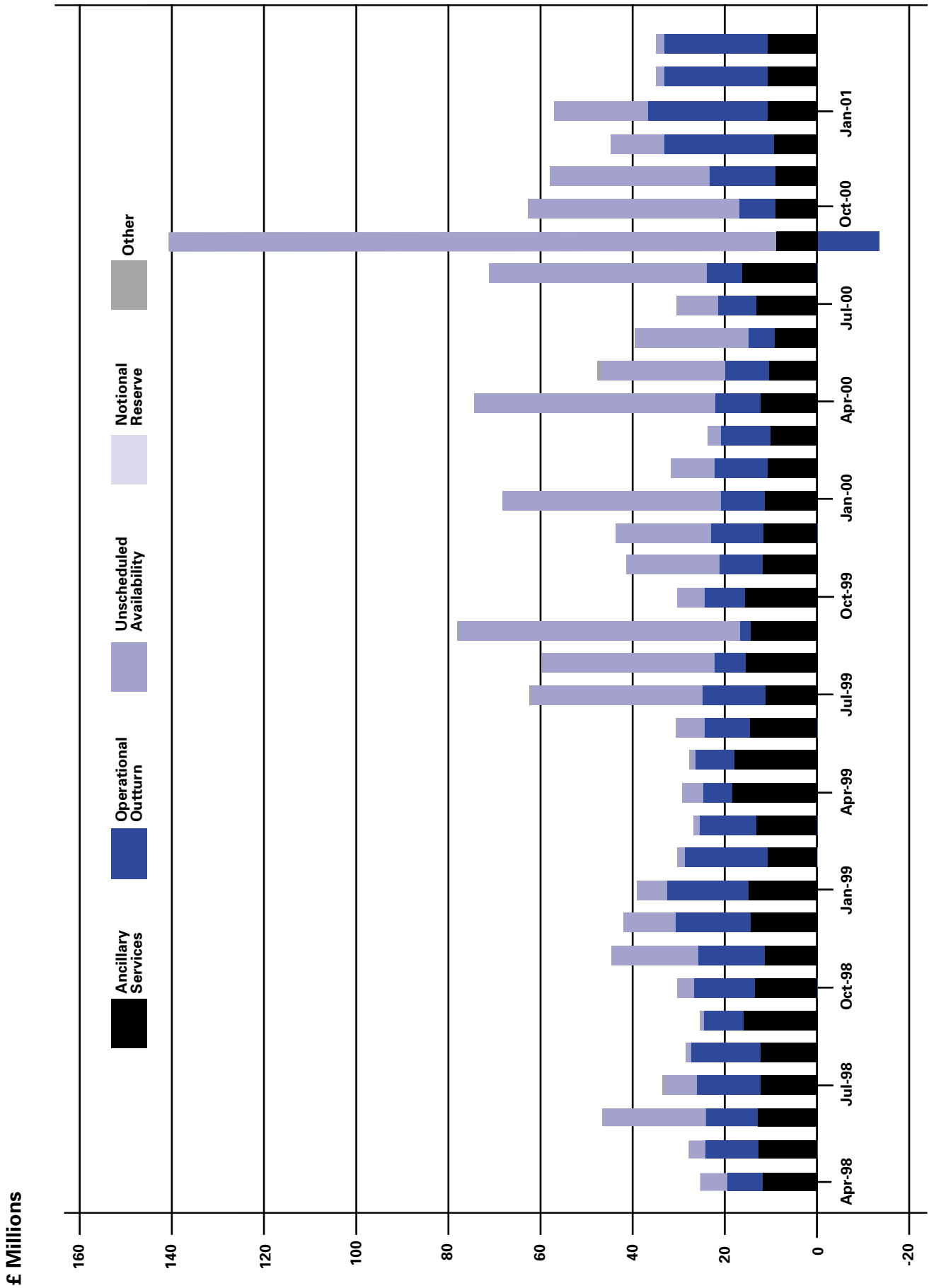
\* Average for 1 April 2000 to 31 March 2001





# Breakdown of Monthly Uplift Costs

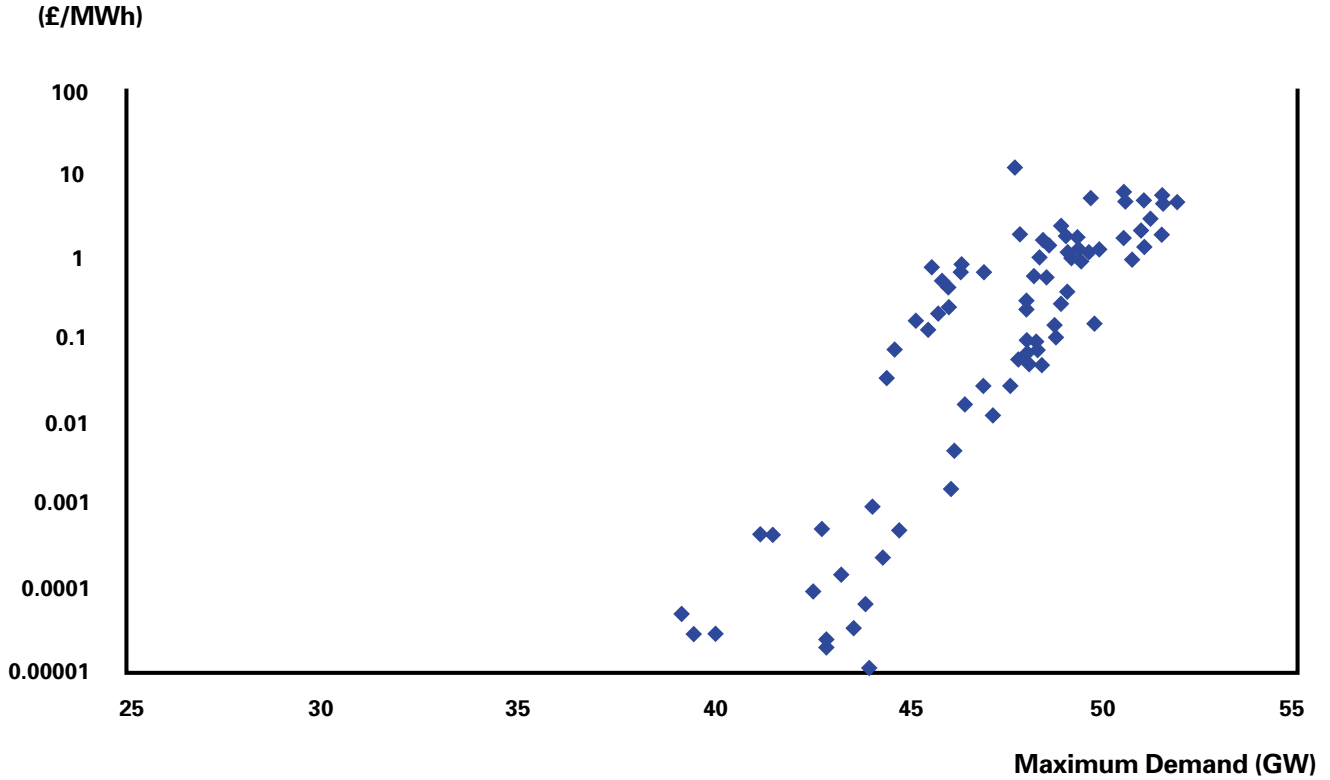
April 1998 - March 2001



# Daily Scatter Plot

January 2001 - March 2001

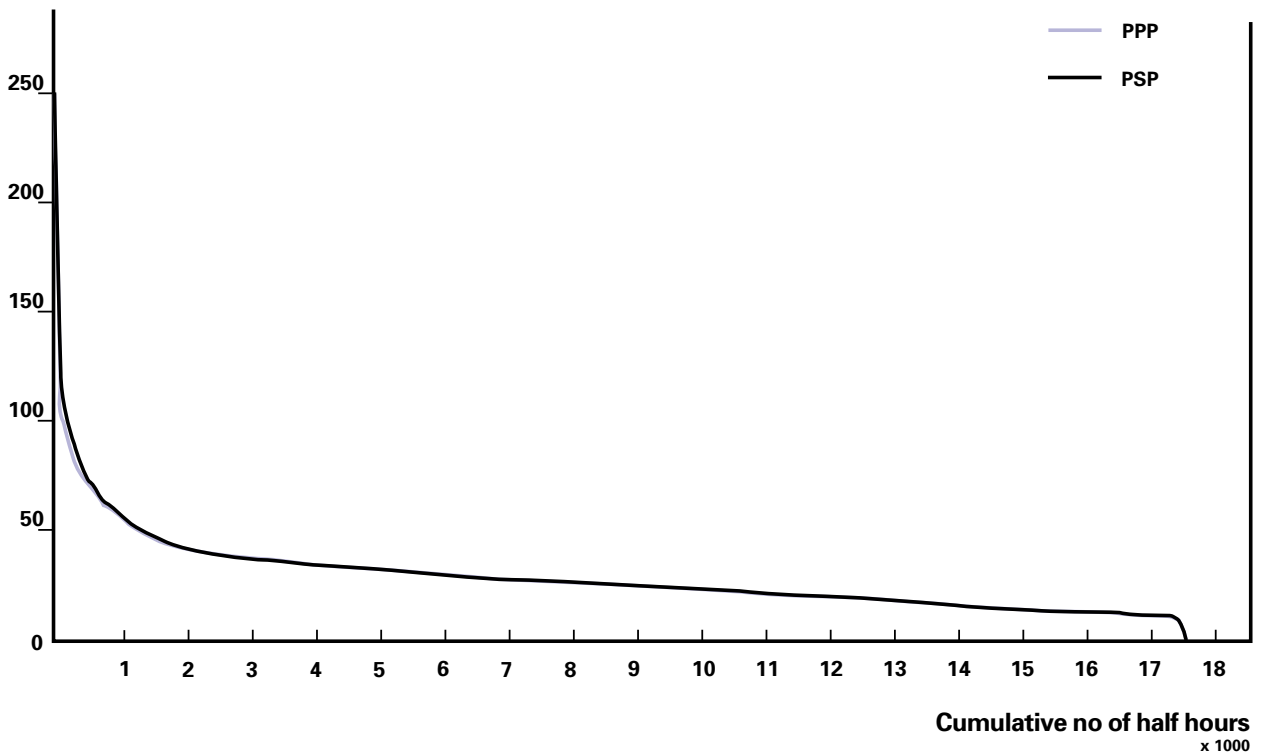
Average Capacity Payment vs Maximum Demand



# Annual Price Duration Curve

April 2000 - March 2001

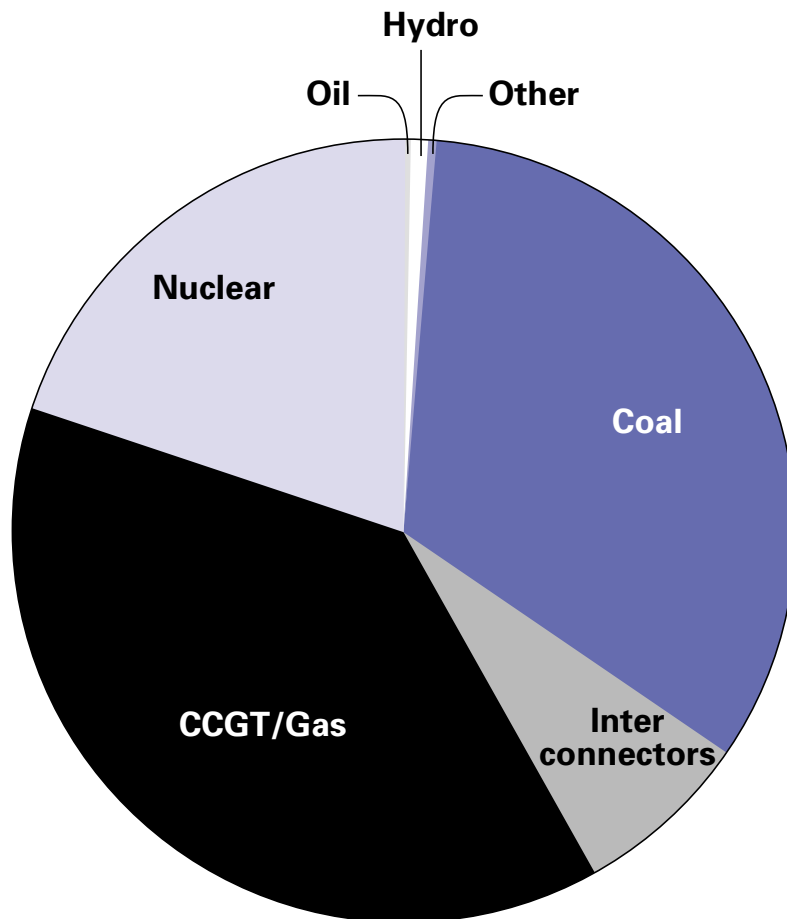
£/MWh



## Percentage of Generation by Fuel Type

	April-Jun 2000	Jul-Sep 2000	Oct-Dec 2000	Jan-Mar 2001	Total
	%	%	%	%	%
Coal	29.41	29.39	34.65	37.85	33.10
Gas/CCGT	39.98	39.96	37.95	35.18	38.13
Hydro	0.65	0.76	0.82	0.63	0.72
Interconnectors	9.23	8.51	6.77	6.04	7.54
Nuclear	20.45	21.03	19.15	19.92	20.08
Oil	0.14	0.14	0.20	0.21	0.18
Other	0.14	0.22	0.46	0.17	0.25
<b>Total</b>	100	100	100	100	100

N.B. The figures for March are based on Settlement Days 01-26 March only, due to the introduction of NETA.



# Statistical Digest Glossary

Term	Definition / Description
Availability	The generation made available to the Grid Operator.
Capacity Payment	The component of the Pool Purchase Price which is designed to provide an incentive for generating capacity to be made available. It is (£) Reserve Payment + Availability Payment. (ESIS to confirm if calculated on a Settlement Day basis)
CCGT	Combined Cycle Gas Turbine
CDGU's	Centrally Despatched Generating Units
Demand Weighted Average Prices	An average PPP weighted to take account of demand. Demand weighted calculations use PA <sub>j</sub> , Period Metered Generation. Demand weighted average PPP for one month = $\frac{\text{Sum of (PPP}_j \times \text{PA}_j \text{) for all periods in month}}{\text{Sum of (PA}_j \text{) for all periods in month}}$
Forecast Demand (TGSD#)	The expected demand in a Settlement Period. Average as calculated across a Schedule Day.
Loss of Load Probability (LOLP)	The probability, taking into account forecast demand and availability, that the available energy will not meet demand.
Maximum Demand	The maximum half-hourly demand is calculated for each day of the three-month period represented by the Scatter Plot (p10). This is then plotted against the Average Capacity payment for each day in an XY (Scatter Graph). However, negative or zero values cannot be plotted correctly on log charts. Only positive values can be interpreted on a logarithmic scale, therefore for any three-month period certain dates may not be represented on the graph. For example, for the period April 1999 to June 1999, the Average Capacity Payment was zero or negative on twenty-two days.
Pool Purchase Price (PPP)	The price at which the major part of generator revenues under the Pool Trading Arrangements are derived (System Marginal Price plus Capacity Payment). PPP is calculated on a Settlement Day basis.
Pool Selling Price (PSP)	The price which forms the basis of payments by Suppliers under the Pool Trading Arrangements (System Marginal Price plus Capacity Payment plus Uplift). PSP is calculated on a Settlement Day basis.
System Marginal Price (SMP)	The price set by the marginal genset scheduled in the Unconstrained Schedule in any Settlement Period. SMP is calculated on a Settlement Day basis.
Settlement Period	A half-hour period ending on the hour or half-hour and identified by its end time.
Settlement System Administrator (SSA)	The party who administers the computerised system used to process the data and carry out the procedures to calculate the payments due under the Pool Trading Arrangements.
Table B Periods	Settlement Periods, usually of low demand, when there is more than a pre-determined level of surplus generating capacity (subject to a cap on the total number of such periods). All other Settlement Periods are referred to as Table A Periods.
Time Weighted Averages	This is the summation of Prices over a given time period divided by the number of Settlement Periods concerned.
Total Gross Consumer Demand (TGD <sub>i</sub> )	The demand reported in the Stats Digest is in fact PA <sub>j</sub> , Period Metered Generation, as per the Pool Rules Definition. Note that the total value of Consumer Gross Demand used to be equal to Period Metered Generation. This changed with the introduction of transmission loss incentives on NGC (October 1995). Consumer Gross Demand is no longer used since it does not include the effects of LRM. Using Period Metered Generation to represent the total demand on the system is therefore a more accurate representation, since this is the actual metered amount of generation which must be accounted for by demand.

# Statistical Digest Glossary

## Term

## Definition / Description

Transmission Services Use of System Price (TSPd)

TSPd is the Transmission Services Use of System Price for Settlement Day d. It is calculated by NGC's TSC system (Transmission Services Charging system). Its purpose is to allow NGC to recover the costs of Transmission Services Uplift and Reactive Power Uplift from Consumers according to their contribution to total Table A Gross Demand. TSPd is thus calculated as follows:

$$\text{TSPd} = \text{Transmission Services Uplift Daily Charge} + \text{Reactive Power Uplift Daily Charge Table A Gross Demand}$$

The calculated value of TSPd applies in each Table A period of the Settlement Day, but has value of zero in Table B periods. Each Consumer with Gross Demand in a Table A period thus pays NGC TSPd for that demand.

Unconstrained Schedule

The half-hour schedule of generating units notionally required to meet forecast demand and reserve, which is produced the day ahead of trading, ignoring transmission constraints.

Value of Lost Load (VLL)

A nominal price of electricity at the point where generation fails to meet demand. This figure was set at 2000 £MWh in 1990/91 and is increased annually by RPI. It was set at 2768 £MWh in February 1999.