National Grid

National Grid Reactive Market Report

Seventh Tender Round for Obligatory and Enhanced Reactive Power Services

Contracts Effective from 1 April 2001

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Executive Summary

This report describes the seventh tender round process for reactive market contracts commencing 1 April 2001. It includes the prices and reactive capability data of successful tenders. The report also includes metered Mvarh utilisation from all eligible Service Providers for the period 1 October 2000 to 31 March 2001. Estimates of the reactive contribution of the National Grid Transmission System for the same period are also included.

National Grid evaluated all the tenders received against economic purchase and technical performance criteria in accordance with the agreed terms of the market mechanism. On 9 February 2001 tenderers were notified of the results of their respective tenders. The main points are as follows:

- On 1 December 2000 ('Market Day') tenders were received from 104 out of a possible 145 BM Units representing 41 stations from 24 Generating Companies. All were in respect of the Grid Code Obligatory Service only. No tenders were received from non-BM Unit providers.

- The large number of tenders received reflects the fact that the majority of eligible BM Units elected to participate in this tender round as their existing agreements terminated on 31 March 2001.

- All tenders received were for a duration of 12 months.

- Tenderers included both portfolio and independent generating companies.

- Of the 104 tenders evaluated, National Grid offered Market Agreements to 43, all of which proceeded to contract.

- This lower overall figure of successful tenders in this tender round 7 reflected market participants seeking increasing remuneration for reactive capability above the level valued by National Grid.

Therefore, as at 1 April 2001 there are a total of 54 BM Units from a possible 156 on a Reactive Market Agreement; 2 from tender round five; 9 from tender round six; and 43 from this, the seventh, tender round.

The next market day for Market Agreements commencing on 1 October 2001 is 1 June 2001. Invitation To Tender (ITT) packs have been available on request since 2 April 2001 for Service Providers wishing to submit a tender. BM Units with contracts commencing 1 October 2000 cannot be re-tendered until the eighth round for contracts commencing 1 October 2001 at the earliest, in accordance with the 12 month minimum contract duration.

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Introduction

1.1 On 1 December 2000, National Grid held the seventh Reactive Power Market tender round. This enabled any potential provider that fulfilled the qualification criteria specified in Schedule 5 of the Master Connection & User System Agreement (MCUSA) to tender for a Market Agreement.

1.2 Potential providers include Users already providing the minimum Grid Code Obligatory Reactive Power Service (ORPS). Such Users may offer alternative payment terms to the default payment arrangements for the provision of voltage support to the National Grid Transmission System. Furthermore, this mechanism also permits Users the opportunity to provide reactive power capability in excess of the Grid Code obligations, together with any other eligible Service Provider able to provide a meaningful service - a so called “Enhanced Reactive Power Service".

1.3 This market report provides information and results of the tender evaluation process, and describes the contractual position for the provision of Reactive Power services to the National Grid Transmission System as at 1 April 2001.

1.4 This report also sets the outcome of this seventh Reactive Power Market tender round in the context of previous tender rounds and the services delivered to the National Grid Transmission System.

1.5 Estimates of the National Grid Transmission System utilisation for the period October 2000 to March 2001 have been included.

2 Voltage Requirements

2.1 National Grid manages the voltage of the supergrid system, to meet Transmission Licence requirements for secure and stable power transmission and to ensure quality of supply to customers. Voltages are largely determined by the flows of reactive power on the system. National Grid ensures that reactive power resources are provided on a local basis to meet the constantly varying needs of the system and that there is sufficient reactive power reserve available to meet contingencies.

2.2 Generating Units provide reactive power capability, and have the ability to vary their reactive power output as a requirement of the Grid Code. The power system itself has inherent reactive power gains and losses, which vary in accordance with changes in real power flows and voltage. National Grid installs reactive compensation plant in parts of the system where there is insufficient generator reactive capability to meet requirements and where voltages cannot be regulated effectively or economically by other means.

2.3 Dynamic reserves of reactive power are essential for system operation. National Grid values reactive capability as it gives rise to increased confidence in the availability of a post-fault service. Although the capability element of the DPM (Default Payment Mechanism) has ceased, National Grid still seeks capability based market agreements to ensure post fault reserves are maintained.

3 Results of tender round seven

3.1 Nature of tenders received

3.11 Tenders were received from 104 generating units at 41 power stations, representing 24 Generating Companies. All tenders were from BM Unit providers offering the Grid Code ORPS service only all with contract duration of 12 months.

3.12 Of the tenders received, the majority appeared to be seeking reactive capability biased contracts.

3.13 Most tenders included capability prices for hours available. Some successful tenders wished to be paid capability money on the basis of hours synchronised. In the case of low load factor plant, such a tender is helpful to National Grid in aligning its forecast of likely synchronisation in respect of marginal plant with that of the Service Provider.

3.2 Tender Assessment

3.21 Tender assessment was carried out in accordance with evaluation criteria specified in Appendix 6 of MCUSA Schedule 5. Details of this are more fully described in Appendix 5 of this report.

3.3 Observations of tender round seven

3.31 The majority of tenders were priced with a 'kinked' price curve for Available Capability across the range of contract breakpoints, providing National Grid with a clear cost signal as to the tenderers preferred incentive to maintain the capability. This meant that the tenderer has placed a superior incentive upon themselves to maintain capability than that given by the DPM. In a number of the cases, this consideration had the potential to influence the decision whether to accept or reject a market agreement. In cases where capability considerations are material, a genset's previous record of reactive shortfalls is a factor considered in tender assessment.

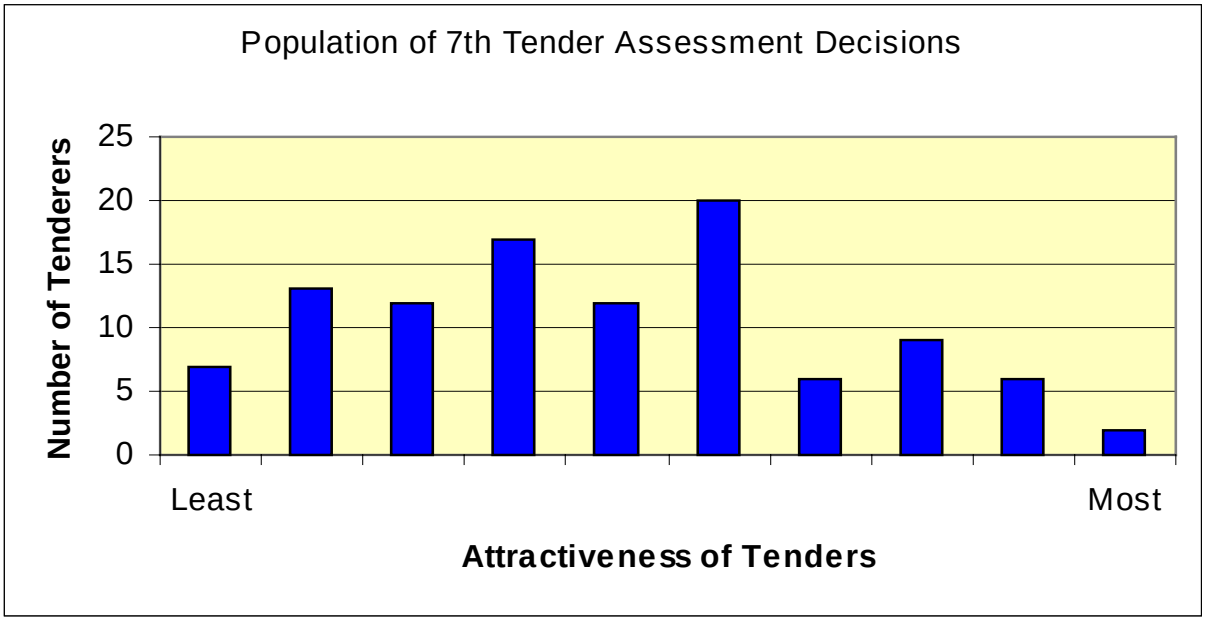
3.32 Many Service Providers offered utilisation prices below the default payment figure applicable to 2001/02 of £1.30/Mvarh. To compensate for this, these types of tender requested a payment for capability, but would still yield a total cost of the same order as the DPM in most cases. National Grid values this form of tender as it enables the optimisation of Mvarh despatch, i.e. the re-despatch from more expensive to cheaper sources.

3.33 The majority of tenderers' utilisation price for the final breakpoint was above that of the DPM. This signals to National Grid that the generator would prefer not be despatched in this region of operation. Efforts would be made by the System Operator not to despatch these generators at the outer limits except perhaps under fault conditions.

3.4 Assessment Results

3.41 Of the 104 tenders evaluated, National Grid offered Market Agreements to 43. All 43 proceeded to contract.

3.42 The range of assessment outcome is shown in the histogram below. A number of tenders were highly unattractive, in that they sought capability payments significantly above expectations of default payments and National Grid's value of capability. Hence a number of tenders were rejected in this tender round 7.



Histogram of 7th tender round assessment decisions

3.43 A complete list of BM Units for 2001/2002 is given in Appendix 1, which also records those that have signed market agreements. Whether or not they will be in a position to tender into Tender Round 8 depends upon their existing contractual status. Appendix 2 provides a definitive list of Market Agreements applicable from 1 April 2001, with Figure 1 illustrating the geographic distribution of market and default agreements.

3.44 Details of the successful tenders submitted for contracts commencing 1 April 2001 are listed in Appendix 3.

3.5 Concluding Observations

3.51 Tender round seven is comparable with tender rounds one, three and five, as all occur at the start of the financial year. Tenderers have continued to adopt a financial year contracting strategy, with mid-year participation significantly lower. In percentage terms, tender rounds 1, 3, 5 and 7 have seen respectively 55%, 68%, 66% and 71% participation by eligible BM Units. Of those tenders participating the percentages proceeding to contract from rounds 1, 3, 5 and 7 are 48%, 74%, 90% and 41% respectively.

3.52 Since 1 April 2000 payments under the DPM have been made purely on utlilisation. National Grid values capability biased tenders which are structured with lower utilisation (£/Mvarh) prices. Such tenders will offer greater certainty for both National Grid and tenderers and provide a basis for economic despatch.

3.53 All the tenders received were in respect of ORPS only and were of 12 months duration. National Grid welcomes longer-term tenders and tenders offering an Enhanced Reactive Power Service (ERPS). However the value of such contracts may change from year to year as system reactive needs evolve.

4 Generating Unit Reactive Mvarh Utilisation

4.1 This section details a six-month breakdown of reactive metered genset utilisation for the period October 2000 to March 2001.

4.2 Table 4.1 shows the Mvarh utilisation volumes (lead plus lag) for all eligible BM Units on a monthly basis. A breakdown by individual genset for the period October 2000 to March 2001 is provided in Appendix 4.

	Utilisation Volume (Mvarh)		
Month	**Market Agreements**	**DPM**	**Total = Market Agreements + DPM**
Oct 00	2,154,850	610,315	2,765,165
Nov 00	2,120,979	522,171	2,643,149
Dec 00	1,869,418	524,024	2,393,442
Jan 01	2,075,695	633,686	2,709,381
Feb 01	1,701,614	497,087	2,198,701
Mar 01	1,963,421	579,290	2,542,711
Total	**11,885,976**	**3,366,573**	**15,252,549**

Table 4.1 - Summary of Generator Reactive utilisation October 00 –March 01

4.3 Table 4.2 shows six monthly utilisation totals since 1996, sorted by the Seven Year Statement defined regions - North, Midland and South.

4.4 The volumes set out in table 4.2 refer to all BM Units eligible for a reactive utilisation payment. Mvarh lag and Mvarh lead are calculated according to the aggregation methodology described within Appendix 4 of MCUSA Schedule 5 and also within the companion document "Methodology Document for the Aggregation of Reactive Power Metering" by which reactive utilisation payments are made.

	NORTH		MIDLANDS		SOUTH		TOTAL		
	lead	**lag**	**lead**	**lag**	**lead**	**lag**	**lead**	**lag**	**| lead + lag |**
Apr 96 - Sep 96	2.86	9.79	0.37	1.94	1.49	2.29	4.72	14.02	18.74
Oct 96 - Mar 97	2.72	12.71	0.36	3.07	1.74	2.72	4.82	18.50	23.32
Apr 97 - Sep 97	2.89	8.65	0.41	1.60	1.87	1.77	5.17	12.02	17.19
Oct 97 - Mar 98	2.78	10.67	0.31	3.07	1.54	2.01	4.63	15.75	20.38
Apr 98 - Sep 98	1.96	7.68	0.44	2.02	1.85	1.51	4.25	11.20	15.45
Oct 98 - Mar 99	1.71	9.54	0.36	2.07	1.65	1.66	3.76	13.48	17.24
Apr 99 - Sep 99	1.77	7.25	0.37	1.52	1.27	1.40	3.40	10.20	13.60
Oct 99 – Mar 00	1.98	10.45	0.27	2.13	1.35	2.19	3.60	14.77	18.37
Apr 00 – Sep 00	1.44	6.31	0.48	1.69	1.59	1.32	3.51	9.32	12.83
Oct 00 – Mar 01	1.52	7.40	0.40	2.72	1.48	1.73	3.40	11.85	15.25

Table 4.2 – Generator Reactive Utilisation (Tvarh) by region

5 Comparisons of Tender Rounds 1, 3, 5 and 7

5.1 Table 5.1 provides a summary of the seven tender rounds to date.

5.2 From the tendered units in rounds 1, 3 and 5, the majority chose to re-tender in the seventh tender round. Of the 89 tenders contracted in round five, 84 were from BM Units that were previously tendered in the third tender round. In round seven, of the 104 tenders that were received, 94 had tendered in round five. It is also worth noting that of the 10 BM Units that were unsuccessful in round five, only 1 tendered in round six but was successful whilst 6 tendered in round seven, of which 2 were successful.

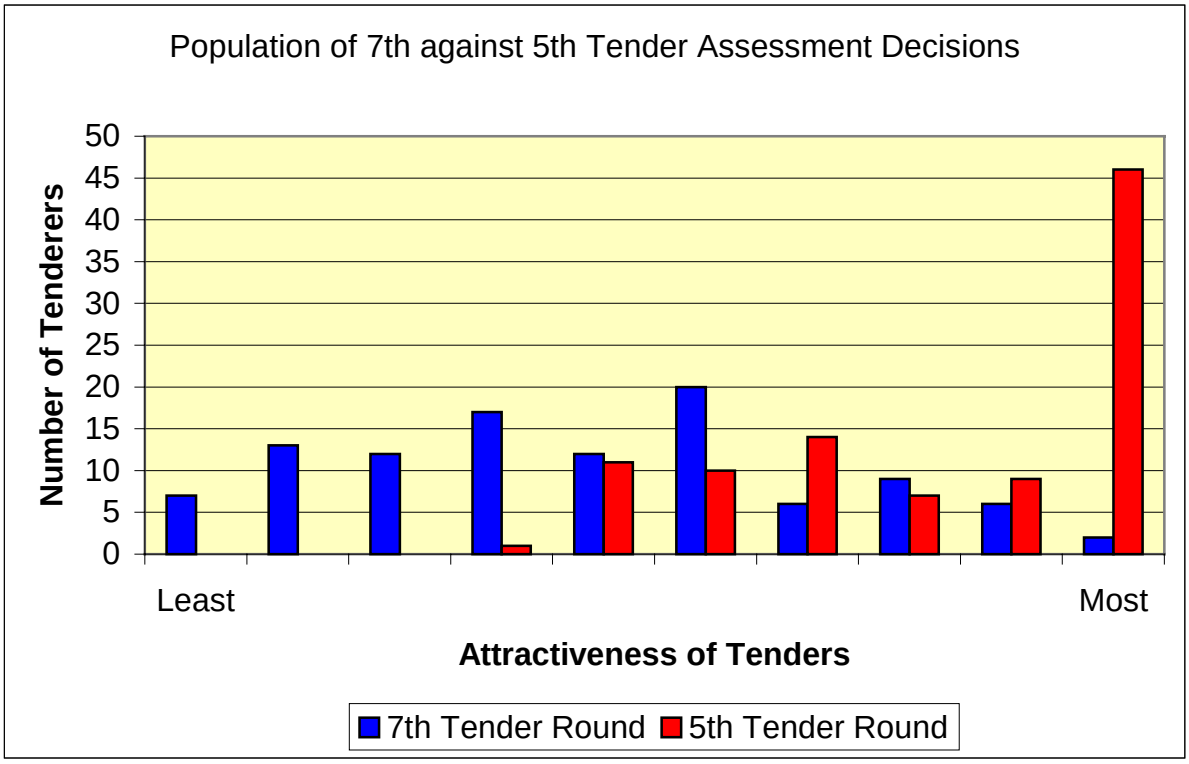
5.3 The tender success rate of round seven was lower than that of tender rounds 1, 3 and 5, with 41% of tenders proceeding to contract as compared with 48% in round one, 74% in round three and 90% in round five. Table 5.1 provides a summary of the six tender rounds to date.

Tender Round	Eligible Units	Unit tenders Received	ORPS	ORPS + ERPS	12 month	>12 months	Successful Gensets offered market agreements	Successful Gensets signing market agreements	% lagging capability with market agreements
1	154	85	76	9	85	0	41	41	~30%
2	113	10	10	0	9	1	5	5	~36%
3	150	102	102	0	102	0	75	57	~40%
4	99	20	20	0	14	6	5	5	~40%
5	151	99	98	1	97	2	98	89	~65%
6	58	15	15	0	15	0	9	9	~70%
7	145	104	104	0	104	0	43	43	~50%

Table 5.1 - Reactive Market Tender Submission Statistics

5.4 From 1 April 2001 there are a total of 54 BM Units on a reactive Market Agreement, 2 from tender round five, 9 from the previous sixth tender round and 43 from this, the seventh tender round. As mentioned in Table 5.1 the 54 gensets provide approximately 50% of total available lagging capability via Market Agreements.

5.5 Tender round 7 has seen a decline in the ratio of successful tenders to those submitted. The histogram shown overleaf, shows the overall attractiveness of tenders for round 7, as against the same histogram for tender round 5. The histograms are comparable to the same X-axis as the same scoring approach has been adopted.



Histogram of tender round 7 against tender round 5 assessment decisions

5.6 The main reasons why tenders from round 7 were less attractive compared with those from tender round 5 were:

5.6.1 The majority of tenderers were seeking higher prices, particularly for capability.

5.6.2 The market is becoming more familiar with the tender process and is better able to structure prices to maximise value.

6 Estimates of National Grid System Reactive Utilisation October 2000 to April 2001

6.1 National Grid is required by MCUSA Schedule 5 to 'use all reasonable endeavours' to provide estimates of the Mvarh absorption and generation by the National Grid transmission system for the six-month period ending 31 March 2001.

6.2 This has been approached in two stages:

- The net reactive utilisation (Tvarh) of the National Grid system has been derived from the difference between the reactive output of generating units and the reactive demand at Grid Supply Points (GSPs). This is given in Table 6.1 where the accuracy of the data is consistent with the underlying meter readings.

- The net Tvarh described above has been broken down by National Grid system component, this is given in Table 6.2. It should be noted that this information is based on estimates and operational records only.

6.3 The simple reactive balance found in Table 6.1 can be described by the equation:

|Generation Net Tvarh| = |Net Reactive Demand at GSPs Tvarh| - |Net NGC System Tvarh|

For example, for December 2000, (1.76 - 0.63 = 5.37 - 4.24). From Table 6.1 it can be seen that the Tvarh contribution from generation is small compared with the other components of the equation.

6.4 The generation figures are a national monthly summation of the Settlements figures given in Appendix 4. At this stage, the data in Table 6.1 may be subject to amendment, via accruals or any outstanding disputes.

6.5 The 'net reactive demands at GSP' figures have been derived from operational records. The figure shown is net, i.e. lagging demand minus leading demand, and in this case is lagging in each month. This figure represents the net effect of the consumer demand plus the LV losses minus the LV gain.

Component (Tvarh)	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	6 monthly Total
Generation Lead (inc. CD embedded)	0.61	0.55	0.63	0.53	0.53	0.55	3.40
Generation Lag (inc. CD embedded)	2.15	2.09	1.76	2.19	1.67	1.99	11.85
Net Reactive Demand at GSPs	5.86	6.37	5.37	6.39	5.70	6.15	35.84
Net National Grid System	4.32	4.83	4.24	4.73	4.56	4.71	27.39

Table 6.1 - Net National Grid System Effect

6.6 The more detailed breakdown found in Table 6.2 can be described by the following equation:

Generation Net Tvarh = Net Reactive Demand at GSPs - HV network shunt gain (BV^2) + HV network series loss (I^2X) + SGT series loss (I^2X_t) - Shunt capacitor gain - net SVC output+ Shunt reactor loss

6.7 The figures in Table 6.2 are estimates and provide an indication of the likely national reactive energy balance within the system.

6.8 Points to note when considering Table 6.2 include:

- X HV gain varies due to circuit switching, outages and system operating voltage
- X HV losses are driven by active power flows across the system
- X Supergrid transformer series reactive losses are predominantly driven by local distribution company demand
- X Switching of MSCs (Mecahnically Switched Capacitors), SVCs (Static Var Compensator) and shunt reactors is determined by operational security requirements.

Component (Tvarh)	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	6 month total
MSC	2.35	2.45	2.06	2.67	2.29	2.62	14.44
Shunt Reactor	-1.93	-1.67	-2.06	-1.67	-1.65	-1.78	-10.76
SVC generation	0.11	0.13	0.17	0.18	0.14	0.16	0.89
SVC absorption	-0.19	-0.12	-0.13	-0.11	-0.07	-0.09	-0.71
HV network shunt gain	9.12	9.24	9.48	9.67	8.81	9.39	55.71
HV network series losses	-3.09	-3.02	-3.10	-3.47	-2.75	-3.22	-18.65
SGT series losses	-2.05	-2.20	-2.18	-2.55	-2.21	-2.37	-13.56
Net NGC System Utilisation	4.32	4.83	4.24	4.73	4.56	4.71	27.39
Generation Lead (inc. CD embedded)	0.61	0.55	0.63	0.53	0.53	0.55	3.40
Generation Lag (inc. CD embedded)	2.15	2.09	1.76	2.19	1.67	1.99	11.85
Net Demand at GSPs	5.86	6.37	5.37	6.39	5.70	6.15	35.84

Table 6.2 - Indicative breakdown of Net National Grid System Effect

7 Exceptional Reactive Power Service Requirements

7.1 MCUSA Schedule 5, paragraph 7 (Statutory and Regulatory Obligations) enables National Grid to contract outside of the Reactive Power Market tender process in specific circumstances for the provision of exceptional reactive power services. National Grid is required to publish details of circumstances surrounding this in the preceding six month period.

7.2 During the period 1 October 2000 – 31 March 2001 no such services were required by National Grid for the provision of voltage support.

Appendix 1

BM Units position at 1 April 2001

North

	Genset	Contract		Genset	Contract		Genset	Contract
1	BRGG_01Z	DPM	24	DRAXX_09G	DPM	48	HMAR_01Z	DPM
2	CDCL_01Z	DPM	25	DRAXX_10G	DPM	49	HMAR_02Z	DPM
3	CONQ_01Z	Market 7	26	DRAXX_12G	DPM	50	HMAR_03Z	DPM
4	CONQ_02Z	Market 7	27	EGGPS_01Z	DPM	51	HMAR_04Z	DPM
5	CONQ_03Z	Market 7	28	EGGPS_02Z	DPM	52	HMAR_05Z	DPM
6	CONQ_04Z	Market 7	29	EGGPS_03Z	DPM	53	HRTL_01Z	Market 7
7	COTT_01Z	DPM	30	EGGPS_04Z	DPM	54	HRTL_02Z	Market 7
8	COTT_02Z	DPM	31	FELL_01Z	DPM	55	KEAD_01Z	Market 7
9	COTT_03Z	DPM	32	FERR01Z	DPM	56	KILLN01Z	DPM
10	COTT_04Z	DPM	33	FERR02Z	DPM	57	KILLP01Z	Market 7
11	DEEP_01Z	DPM	34	FERR03Z	DPM	58	KILLP02Z	DPM
12	DINO_01Z	DPM	35	FERR04Z	DPM	59	ROCK_01Z	DPM
13	DINO_02Z	DPM	36	FFES_01Z	DPM	60	ROOS_01Z	DPM
14	DINO_03Z	DPM	37	FFES_02Z	DPM	61	SCCL_01Z	DPM
15	DINO_04Z	DPM	38	FFES_03Z	DPM	62	SCCL_02Z	DPM
16	DINO_05Z	DPM	39	FFES_04Z	DPM	63	SCCL_03Z	DPM
17	DINO_06Z	DPM	40	FIDL_01Z	DPM	64	SHBA_01Z	Market 6
18	DRAXX_01Z	Market 7	41	FIDL_02Z	DPM	65	SHBA_02Z	DPM
19	DRAXX_02Z	Market 7	42	FIDL_03Z	DPM	66	TESI_01Z	DPM
20	DRAXX_03Z	Market 7	43	FIDL_04Z	DPM	67	TESI_02Z	DPM
21	DRAXX_04Z	Market 7	44	HEYM101Z	Market 7	68	WYLF_01Z	DPM
22	DRAXX_05Z	Market 7	45	HEYM102Z	Market 7	69	WYLF_02Z	DPM
23	DRAXX_06Z	Market 7	46	HEYM207Z	Market 7	70	WYLF_03Z	DPM
			47	HEYM208Z	Market 7	71	WYLF_04Z	DPM

Midlands

	Genset	**Contract**		**Genset**	**Contract**		**Genset**	**Contract**
72	CORB_01Z	Market 5	81	PETEM01Z	DPM	90	SIZB_01Z	Market 7
73	DERW_01Z	Market 7	82	RATS_01Z	Market 7	91	SIZB_02Z	Market 7
74	DRKW_09Z	DPM	83	RATS_02Z	Market 7	92	SIZEA01Z	DPM
75	DRKW_10Z	DPM	84	RATS_03Z	Market 7	93	SIZEA02Z	DPM
76	DRKW_12Z	DPM	85	RATS_04Z	Market 7	94	SUTB_01Z	Market 6
77	IROB_01Z	Market 7	86	RUGLB06Z	DPM	95	WEBU_01Z	DPM
78	IROB_02Z	Market 7	87	RUGLB07Z	DPM	96	WEBU_02Z	DPM
79	KLYNA01Z	DPM	88	RUGLB06G	DPM	97	WEBU_03Z	DPM
80	LBAR_01Z	Market 6	89	RUGLB07G	DPM	98	WEBU_04Z	DPM

South

	Genset	Contract		Genset	Contract		Genset	Contract
99	ABTHB07Z	Market 7	118	DIDCB05Z	Market 7	137	GRAI_04Z	Market 7
100	ABTHB08Z	Market 7	119	DIDCB06Z	Market 7	138	HINB_07Z	Market 6
101	ABTHB09Z	Market 7	120	DIDC_01G	DPM	139	HINB_08Z	Market 6
102	BARK_02Z	DPM	121	DIDC_02G	DPM	140	KINO_01Z	Market 7
103	BARK_11Z	DPM	122	DIDC_03G	DPM	141	KINO_02Z	Market 7
104	BARR_01Z	DPM	123	DIDC_04G	DPM	142	KINO_03Z	Market 7
105	BRWE_01Z	DPM	124	DNGB_21Z	Market 7	143	LITTD01Z	DPM
106	BRWE_02Z	DPM	125	DNGB_22Z	Market 7	144	LITTD01G	DPM
107	BRWE_03Z	DPM	126	DUNGA01Z	DPM	145	LITTD02G	DPM
108	BRWE_04Z	DPM	127	DUNGA02Z	DPM	146	MEDP_01Z	Market 7
109	BRWE_05Z	DPM	128	DUNGA03Z	DPM	147	OLDS_01Z	DPM
110	BRWE_06Z	DPM	129	DUNGA04Z	DPM	148	OLDS_02Z	DPM
111	COWE_01Z	DPM	130	EECL_01Z	DPM	149	RYEH_01Z	Market 7
112	COWE_02Z	DPM	131	FAWL_03Z	Market 5	150	SEAB_01Z	DPM
113	DAMC_01Z	DPM	132	FAWN_01Z	Market 6	151	SEAB_02Z	Market 6
114	DIDC_01Z	Market 6	133	FIFO_13Z	DPM	152	SHOS_01Z	DPM
115	DIDC_02Z	DPM	134	FIFO_14Z	DPM	153	TAYL_02Z	Market 7
116	DIDC_03Z	DPM	135	FIFO_15Z	DPM	154	TAYL_03Z	Market 7
117	DIDC_04Z	Market 6	136	GRAI_01Z	Market 7	155	TILBB08Z	DPM
						156	TILBB09Z	DPM

Note : Market 5 refers to those contracts commencing 1 April 2000
Market 6 refers to those contracts commencing 1 October 2000
Market 7 refers to those contracts commencing 1 April 2001
Eligible BM Units are those of reactive capability, leading or lagging greater than 15 Mvar at the commercial boundary, and the further stipulations layed out in MCUSA Schedule 5. There are to date, no market contracts for Enhanced Capability

Appendix 2 - Reactive Market Agreement status at 1 April 2001

New Contracts Commencing on 1 April 2001			
	Company	**Genset ID**	**Contract Expiry Date**
1	Innogy	ABTHB07Z	31/03/02
2	Innogy	ABTHB08Z	31/03/02
3	Innogy	ABTHB09Z	31/03/02
4	PowerGen	CONQ_01Z	31/03/02
5	PowerGen	CONQ_02Z	31/03/02
6	PowerGen	CONQ_03Z	31/03/02
7	PowerGen	CONQ_04Z	31/03/02
8	Derwent Power	DERW_01Z	31/03/02
9	Innogy	DIDCB_05Z	31/03/02
10	Innogy	DIDCB_06Z	31/03/02
11	AES Drax Power	DRAXX01Z	31/03/02
12	AES Drax Power	DRAXX02Z	31/03/02
13	AES Drax Power	DRAXX03Z	31/03/02
14	AES Drax Power	DRAXX04Z	31/03/02
15	AES Drax Power	DRAXX05Z	31/03/02
16	AES Drax Power	DRAXX06Z	31/03/02
17	British Energy	DNGB_21Z	31/03/02
18	British Energy	DNGB_22Z	31/03/02
19	PowerGen	GRAI_01Z	31/03/02
20	PowerGen	GRAI_04Z	31/03/02
21	British Energy	HEYM101Z	31/03/02
22	British Energy	HEYM102Z	31/03/02
23	British Energy	HEYM207Z	31/03/02
24	British Energy	HEYM208Z	31/03/02
25	British Energy	HRTL_01Z	31/03/02
26	British Energy	HRTL_02Z	31/03/02
27	TXU	IROB_01Z	31/03/02
28	TXU	IROB_02Z	31/03/02
29	Keadby Generation	KEAD_01Z	31/03/02
30	PowerGen	KILLP_01Z	31/03/02
31	PowerGen	KINO_01Z	31/03/02
32	PowerGen	KINO_02Z	31/03/02
33	PowerGen	KINO_03Z	31/03/02
34	Medway Power	MEDP_01Z	31/03/02
35	PowerGen	RATS_01Z	31/03/02
36	PowerGen	RATS_02Z	31/03/02
37	PowerGen	RATS_03Z	31/03/02
38	PowerGen	RATS_04Z	31/03/02
39	Scottish Power	RYEH_01Z	31/03/02
40	British Energy	SIZB_01Z	31/03/02
41	British Energy	SIZB_02Z	31/03/02
42	PowerGen	TAYL_02Z	31/03/02
43	PowerGen	TAYL_03Z	31/03/02

Contracts Continuing on 1 April 2001			
	Company	**Genset ID**	**Contract Expiry Date**
1	Corby Power	CORB_01Z	31/03/03
2	Innogy	DIDC_01Z	30/09/01
3	Innogy	DIDC_04Z	30/09/01
4	Innogy	FAWL_03Z	31/03/02
5	National Power Cogen	FAWN_01Z	30/09/01
6	British Energy	HINB_07Z	30/09/01
7	British Energy	HINB_08Z	30/09/01
8	Innogy	LBAR-01Z	30/09/01
9	Seabank Power	SEAB_02Z	30/09/01
10	Humber Power	SHBA_01Z	30/09/01
11	Sutton Bridge Power	SUTB_01Z	30/09/01

Appendix 3

Successful tender details for contracts commencing 1 April 2001

Company Name: Innogy plc			Station Name: **Aberthaw B**			
Genset ID: **ABTHB07Z**			Contract Period: 12 months			
Nominated GRC: 485 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	147	100	35	50	180	211
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.030	0.019	0.006	0.038	0.113	0.420
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.725	0.544	0.280	0.288	0.480	1.725

Company Name: Innogy plc			Station Name: **Aberthaw B**			
Genset ID: **ABTHB08Z**			Contract Period: 12 months			
Nominated GRC: 485 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	147	100	35	50	180	211
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.022	0.014	0.004	0.029	0.085	0.315
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.725	0.680	0.350	0.360	0.600	1.725

Company Name: Innogy plc			Station Name: **Aberthaw B**			
Genset ID: **ABTHB09Z**			Contract Period: 12 months			
Nominated GRC: 485 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	147	100	35	50	180	211
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.022	0.014	0.004	0.029	0.085	0.315
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.725	0.680	0.350	0.360	0.600	1.725

Company Name: PowerGen plc			Station Name: **Connah's Quay**			
Genset ID: **CONQ_01Z**			Contract Period: 12 months			
Nominated GRC: 355 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	176	140	50	50	125	155
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.011	0.006	0.003	0.016	0.031	0.062
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	1.170	1.100	1.100	1.170	1.500

Company Name: PowerGen plc			Station Name: **Connah's Quay**			
Genset ID: **CONQ_02Z**			Contract Period: 12 months			
Nominated GRC: 355 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	176	140	50	50	125	155
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.012	0.006	0.003	0.016	0.032	0.064
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	1.170	1.100	1.100	1.170	1.500

Company Name: PowerGen plc			Station Name: **Connah's Quay**			
Genset ID: **CONQ_03Z**			Contract Period: 12 months			
Nominated GRC: 355 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	177	140	50	50	125	155
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.012	0.006	0.003	0.015	0.030	0.060
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	1.170	1.100	1.100	1.170	1.500

Company Name: PowerGen plc			Station Name: **Connah's Quay**			
Genset ID: **CONQ_04Z**			Contract Period: 12 months			
Nominated GRC: 355 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	177	140	50	50	125	155
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.010	0.005	0.003	0.016	0.031	0.062
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	1.170	1.100	1.100	1.170	1.500

Company Name: Derwent Cogeneration			Station Name: **Derwent**			
Genset ID: **DERW_01Z**			Contract Period: 12 months			
Nominated GRC: 23 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	92	70	50	50	70	93
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.050	0.050	0.050	0.050	0.050	0.050
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.400	1.000	0.900	0.900	1.000	1.400

Company Name: Innogy plc			Station Name: **Didcot B**			
Genset ID: **DIDCB05Z**			Contract Period: 12 months			
Nominated GRC: 680 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	305	175	50	100	200	275
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.044	0.022	0.011	0.043	0.064	0.174
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.006	0.003	0.001	0.006	0.010	0.026
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.725	1.200	1.200	0.450	0.953	1.725

Company Name: Innogy plc			Station Name: **Didcot B**			
Genset ID: **DIDCB06Z**			Contract Period: 12 months			
Nominated GRC: 690 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	307	175	50	100	200	262
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.044	0.022	0.011	0.043	0.064	0.174
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.006	0.003	0.001	0.006	0.010	0.026
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.725	1.200	1.200	0.450	0.953	1.725

Company Name: AES Drax Power Ltd			Station Name: **Drax**			
Genset ID: **DRAXX01Z**			Contract Period: 12 months			
Nominated GRC: 645 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	287	200	50	100	195	268
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.160	0.080	0.050	0.060	0.160	0.480
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	2.000	0.440	0.220	0.220	0.550	2.300

Company Name: AES Drax Power Ltd			Station Name: **Drax**			
Genset ID: **DRAXX02Z**			Contract Period: 12 months			
Nominated GRC: 645 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	287	200	50	100	195	268
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.160	0.080	0.050	0.060	0.160	0.480
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	2.000	0.440	0.220	0.220	0.550	2.300

Company Name: AES Drax Power Ltd			Station Name: **Drax**			
Genset ID: **DRAXX03Z**			Contract Period: 12 months			
Nominated GRC: 645 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	286	200	50	100	195	268
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.160	0.080	0.050	0.060	0.160	0.480
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	2.000	0.440	0.220	0.220	0.550	2.300

Company Name: AES Drax Power Ltd			Station Name: **Drax**			
Genset ID: **DRAXX04Z**			Contract Period: 12 months			
Nominated GRC: 645 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	282	200	50	100	195	278
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.160	0.080	0.050	0.060	0.160	0.480
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	2.000	0.440	0.220	0.220	0.550	2.300

Company Name: AES Drax Power Ltd			Station Name: **Drax**			
Genset ID: **DRAXX05Z**			Contract Period: 12 months			
Nominated GRC: 645 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	270	200	50	100	200	277
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.160	0.080	0.050	0.060	0.160	0.480
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	2.000	0.440	0.220	0.220	0.660	2.000

Company Name: AES Drax Power Ltd			Station Name: **Drax**			
Genset ID: **DRAXX06Z**			Contract Period: 12 months			
Nominated GRC: 645 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	270	200	50	100	195	278
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.160	0.080	0.050	0.060	0.160	0.480
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	2.000	0.440	0.220	0.220	0.660	2.300

Company Name: British Energy			Station Name: **Dungeness B**			
Genset ID: **DNGB_21Z**			Contract Period: 12 months			
Nominated GRC: 459 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	292	150	50	75	200	384
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.013	0.007	0.006	0.018	0.035	0.054
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	2.200	0.750	0.750	0.750	0.750	2.200

Company Name: British Energy			Station Name: **Dungeness B**			
Genset ID: **DNGB_22Z**			Contract Period: 12 months			
Nominated GRC: 484 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	292	150	50	75	200	368
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.020	0.011	0.009	0.027	0.053	0.081
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	2.200	0.750	0.750	0.750	0.750	2.200

Company Name: PowerGen plc			Station Name: **Grain**			
Genset ID: **GRAI_01Z**			Contract Period: 12 months			
Nominated GRC: 675 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	255	200	50	100	205	239
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.003	0.002	0.001	0.001	0.003	0.005
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.130	0.050	0.030	0.100	0.200	0.500
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	0.265	0.245	0.245	0.265	1.500

Company Name: PowerGen plc			Station Name: **Grain**			
Genset ID: **GRAI_04Z**			Contract Period: 12 months			
Nominated GRC: 675 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	257	200	50	100	205	236
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.003	0.002	0.001	0.001	0.003	0.005
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.130	0.050	0.030	0.100	0.200	0.500
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	0.265	0.245	0.245	0.265	1.500

Company Name: British Energy			Station Name: **Heysham 1**			
Genset ID: **HEYM101Z**			Contract Period: 12 months			
Nominated GRC: 547 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	290	150	50	75	150	313
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.021	0.010	0.008	0.070	0.158	0.222
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.220	0.720	0.720	0.720	0.720	1.220

Company Name: British Energy			Station Name: **Heysham 1**			
Genset ID: **HEYM102Z**			Contract Period: 12 months			
Nominated GRC: 537 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	290	150	50	75	150	318
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.021	0.010	0.008	0.070	0.158	0.222
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.220	0.720	0.720	0.720	0.720	1.220

Company Name: British Energy			Station Name: **Heysham 2**			
Genset ID: **HEYM207Z**			Contract Period: 12 months			
Nominated GRC: 633 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	279	150	50	75	150	291
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.021	0.010	0.008	0.070	0.158	0.222
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.220	0.720	0.720	0.720	0.720	1.220

Company Name: British Energy			Station Name: **Heysham 2**			
Genset ID: **HEYM208Z**			Contract Period: 12 months			
Nominated GRC: 635 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	278	150	50	75	150	290
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.021	0.010	0.008	0.070	0.158	0.222
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.220	0.720	0.720	0.720	0.720	1.220

Company Name: British Energy			Station Name: **Hartlepool**			
Genset ID: **HRTL_01Z**			Contract Period: 12 months			
Nominated GRC: 563 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	299	200	50	100	200	295
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.045	0.035	0.025	0.120	0.210	0.260
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.250	0.700	0.700	0.700	0.700	1.250

Company Name: British Energy			Station Name: **Hartlepool**			
Genset ID: **HRTL_02Z**			Contract Period: 12 months			
Nominated GRC: 544 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	298	200	50	100	200	307
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.052	0.040	0.029	0.138	0.242	0.299
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.250	0.700	0.700	0.700	0.700	1.250

Company Name: TXU Europe			Station Name: **Ironbridge**			
Genset ID: **IRNPS_01Z**			Contract Period: 12 months			
Nominated GRC: 485 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	166	130	50	75	170	209
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.018	0.012	0.010	0.160	0.180	0.250
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.015	0.009	0.005	0.080	0.120	0.180
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.000	0.600	0.400	0.400	0.600	1.200

Company Name: TXU Europe			Station Name: **Ironbridge**			
Genset ID: **IRNPS_02Z**			Contract Period: 12 months			
Nominated GRC: 485 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	157	125	50	75	170	207
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.018	0.012	0.010	0.160	0.180	0.250
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.015	0.009	0.005	0.080	0.120	0.180
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.000	0.600	0.400	0.400	0.600	1.200

Company Name: Keadby Generation Ltd			Station Name: **Keadby**			
Genset ID: **KEAD_01Z**			Contract Period: 12 months			
Nominated GRC: 715 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	349	310	50	100	300	323
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.080	0.050	0.030	0.130	0.250	0.550
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	0.850	0.400	0.250	0.050	0.450	0.950

Company Name: PowerGen plc			Station Name: **Killingholme**			
Genset ID: **KILLP01Z**			Contract Period: 12 months			
Nominated GRC: 450 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	223	190	50	75	180	211
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.020	0.010	0.005	0.150	0.250	0.500
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	0.650	0.300	0.300	0.650	1.500

Company Name: PowerGen plc			Station Name: **Kingsnorth**			
Genset ID: **KINO_01Z**			Contract Period: 12 months			
Nominated GRC: 485 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	133	100	50	75	165	195
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.160	0.080	0.040	0.010	0.020	0.030
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	0.890	0.860	0.860	0.890	1.500

Company Name: PowerGen plc			Station Name: **Kingsnorth**			
Genset ID: **KINO_02Z**			Contract Period: 12 months			
Nominated GRC: 485 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	132	100	50	75	165	196
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.040	0.020	0.010	0.005	0.010	0.020
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	0.890	0.860	0.860	0.890	1.500

Company Name: PowerGen plc			Station Name: **Kingsnorth**			
Genset ID: **KINO_03Z**			Contract Period: 12 months			
Nominated GRC: 485 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	128	100	50	75	170	201
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.100	0.050	0.025	0.020	0.030	0.070
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	0.890	0.860	0.860	0.890	1.500

Company Name: Medway Power Ltd			Station Name: **Medway**			
Genset ID: **MEDP_01Z**			Contract Period: 12 months			
Nominated GRC: 700 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	369	200	50	100	200	337
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.130	0.060	0.020	0.030	0.060	0.140
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.002	0.001	0.000	0.000	0.001	0.002
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.800	0.410	0.400	0.400	0.410	1.800

Company Name: PowerGen plc			Station Name: **Ratcliffe**			
Genset ID: **RATS_01Z**			Contract Period: 12 months			
Nominated GRC: 500 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	147	110	50	75	140	170
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.021	0.011	0.005	0.026	0.053	0.105
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	1.100	1.060	1.060	1.100	1.500

Company Name: PowerGen plc			Station Name: **Ratcliffe**			
Genset ID: **RATS_02Z**			Contract Period: 12 months			
Nominated GRC: 500 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	128	90	50	75	160	193
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.003	0.002	0.001	0.010	0.050	0.100
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	1.100	1.060	1.060	1.100	1.500

Company Name: PowerGen plc			Station Name: **Ratcliffe**			
Genset ID: **RATS_03Z**			Contract Period: 12 months			
Nominated GRC: 500 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	128	90	50	75	160	193
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.012	0.006	0.003	0.020	0.040	0.100
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	1.100	1.060	1.060	1.100	1.500

Company Name: PowerGen plc			Station Name: **Ratcliffe**			
Genset ID: **RATS_04Z**			Contract Period: 12 months			
Nominated GRC: 500 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	79	65	50	75	145	178
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.003	0.002	0.001	0.010	0.030	0.100
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	1.100	1.060	1.060	1.100	1.500

Company Name: Scottish Power			Station Name: **Rye House**			
Genset ID: **RYEH_01Z**			Contract Period: 12 months			
Nominated GRC: 715 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	324	250	50	100	260	281
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.030	0.020	0.010	0.015	0.030	0.050
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	1.100	1.060	1.060	1.100	1.500

Company Name: British Energy			Station Name: **Sizewell B**			
Genset ID: **SIZB_01Z**			Contract Period: 12 months			
Nominated GRC: 570 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	295	200	50	100	150	251
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.018	0.015	0.010	0.060	0.100	0.120
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.250	0.850	0.850	0.850	0.850	1.250

Company Name: British Energy			Station Name: **Sizewell B**			
Genset ID: **SIZB_02Z**			Contract Period: 12 months			
Nominated GRC: 569 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	286	200	50	100	150	251
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.018	0.015	0.010	0.061	0.101	0.121
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.250	0.850	0.850	0.850	0.850	1.250

Company Name: PowerGen plc			Station Name: **Taylors Lane**			
Genset ID: **TAYL_02Z**			Contract Period: 12 months			
Nominated GRC: 68 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	33	25	10	10	25	29
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.194	0.388	0.775
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	0.265	0.245	0.245	0.265	1.500

Company Name: PowerGen plc			Station Name: **Taylors Lane**			
Genset ID: **TAYL_03Z**			Contract Period: 12 months			
Nominated GRC: 64 MW	Maximum Leading Capability	Mid Point Leading Capability	Low point Leading Capability	Low point Lagging Capability	Mid Point Lagging Capability	Maximum Lagging Capability
Capability (Mvar)	Q3Lead:	Q2Lead:	Q1Lead:	Q1Lag:	Q2:Lag	Q3:Lag
	30	25	10	10	25	29
Available Capability Prices (£/Mvar/h)	CA3Lead:	CA2Lead:	CA1Lead:	CA1Lag:	CA2Lag:	CA3Lag:
	0.000	0.000	0.000	0.000	0.000	0.000
Synchronised Capability Prices (£/Mvar/h)	CS3Lead:	CS2Lead:	CS1Lead:	CS1Lag:	CS2Lag:	CS3Lag:
	0.000	0.000	0.000	0.194	0.388	0.775
Utilisation Prices (£/Mvarh)	CU3Lead:	CU2Lead:	CU1Lead:	CU1Lag:	CU2Lag:	CU3Lag:
	1.500	0.265	0.245	0.245	0.265	1.500

Appendix 4

Reactive Power Generation Utilisation Volumes by Unit
October 2000 to April 2001

Genset	Agreement	Monthly Mvarh												6 Month TOTAL	
		Oct-00		Nov-00		Dec-00		Jan-01		Feb-01		Mar-01			
		Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag
ABTHB07Z	DPM	3,490	5,507	2,246	8,080	4,160	5,754	3,413	8,501	5,185	7,396	5,151	6,518	23,646	41,757
ABTHB08Z	DPM	4,684	6,405	4,633	5,570	3,713	5,486	5,369	6,147	3,854	6,000	7,404	5,516	29,657	35,123
ABTHB09Z	DPM	5,940	10,062	2,629	10,791	5,682	5,843	3,581	7,662	3,832	5,704	4,000	9,923	25,664	49,985
AESB_01Z	DPM	56	5,011	167	4,664	74	3,211	538	1,992	673	677	61	5,195	1,567	20,748
BARK_02Z	Market	20,733	15,988	10,357	28,038	18,817	15,768	15,446	24,753	12,867	11,451	7,185	19,933	85,404	115,930
BARK_11Z	Market	20,366	14,855	9,718	25,919	16,032	13,439	13,130	18,619	12,473	9,495	7,082	16,266	78,801	98,592
BRGG_01Z	Market	502	5,033	1,135	3,651	2,771	2,526	1,107	2,206	1,101	1,033	879	1,164	7,495	15,613
BRWE_01Z	Market	217	618	0	0	0	1	2	83	0	0	249	1,041	469	1,743
BRWE_02Z	Market	221	590	0	0	0	0	0	0	0	0	144	1,042	365	1,632
BRWE_03Z	Market	77	860	0	0	0	2	3	54	0	0	411	476	491	1,392
BRWE_04Z	Market	1,570	1,521	322	2,462	1,646	853	637	193	716	16	516	248	5,408	5,294
BRWE_05Z	Market	1,420	1,487	323	2,048	958	1,385	39	892	751	55	244	218	3,735	6,086
BRWE_06Z	Market	1,456	2,103	123	3,528	753	1,632	48	1,225	427	26	160	479	2,967	8,993
CDCL_01Z	DPM	4,546	19,494	2,738	34,497	3,477	31,208	1,734	19,463	396	4,625	2,002	11,780	14,893	121,068
CONQ_01Z	Market	6,379	15,614	4,602	13,116	6,344	10,679	4,338	11,176	3,028	6,482	4,920	14,058	29,611	71,126
CONQ_02Z	Market	6,233	12,955	3,910	12,289	6,917	11,557	3,333	12,551	2,789	9,081	5,064	12,324	28,246	70,757
CONQ_03Z	Market	228	50	4,887	13,545	5,464	11,876	5,661	8,194	2,795	13,117	6,070	6,405	25,104	53,188
CONQ_04Z	Market	6,784	14,257	2,599	13,686	5,165	12,015	4,944	12,303	3,142	10,528	972	2,956	23,606	65,744
CORB_01Z	Market	4,829	6,085	3,942	11,545	5,199	5,002	4,647	9,003	3,120	5,522	6,435	9,457	28,171	46,613
COTT_01Z	Market	217	8,960	1,145	15,663	640	12,216	576	11,285	298	5,686	1,642	7,501	4,519	61,311
COTT_02Z	Market	2,943	30,575	1,296	29,258	1,657	23,119	410	25,914	870	15,673	514	22,579	7,689	147,118
COTT_03Z	Market	2,518	27,190	1,288	26,227	1,170	10,653	1,288	25,869	1,591	9,596	1,992	16,537	9,847	116,072
COTT_04Z	Market	940	16,216	577	8,546	660	8,890	443	5,186	218	553	1,733	5,149	4,569	44,539
COWE_01Z	DPM	0	0	0	0	0	16	0	33	0	14	0	0	0	64
COWE_02Z	DPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP_01Z	Market	7,876	14,680	4,688	19,009	10,334	23,212	6,662	19,495	5,750	13,639	10,256	24,478	45,566	114,512
DERW_01Z	Market	2,249	1,189	2,181	2,053	2,483	4,674	1,951	8,470	2,025	6,931	1,463	7,782	12,352	31,099

Genset	Agreement	Monthly Mvarh												6 Month TOTAL	
		Oct-00		Nov-00		Dec-00		Jan-01		Feb-01		Mar-01			
		Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag
DIDC_01G	DPM	0	4	0	0	0	0	0	10	0	0	0	0	0	14
DIDC_01Z	Market	5,672	8,645	4,363	3,632	4,214	8,074	2,809	8,266	2,222	10,050	5,423	6,968	24,703	45,634
DIDC_02G	DPM	0	8	0	0	0	0	0	10	0	4	0	0	0	21
DIDC_02Z	DPM	17,335	708	15,029	520	15,013	487	31,926	229	26,597	435	11,852	346	117,752	2,725
DIDC_03G	DPM	0	6	0	0	0	0	0	6	0	0	0	0	0	12
DIDC_03Z	DPM	11,873	9,933	7,083	8,039	5,139	7,077	3,428	13,278	6,358	3,948	5,601	9,984	39,481	52,259
DIDC_04G	DPM	0	6	0	0	0	0	0	2	0	4	0	89	0	101
DIDC_04Z	Market	8,164	5,248	3,876	8,781	1,836	4,418	3,232	11,126	5,137	7,519	6,816	9,798	29,061	46,890
DIDCB05Z	Market	21,342	14,475	12,366	8,579	15,305	11,545	6,202	21,359	13,531	7,988	7,448	16,164	76,195	80,109
DIDCB06Z	Market	14,926	3,232	17,457	8,642	18,178	11,033	8,635	19,082	17,462	8,646	7,465	13,011	84,123	63,647
DINO_01Z	Market	13,053	495	19,108	156	14,428	574	9,464	895	9,129	342	5,802	354	70,984	2,816
DINO_02Z	Market	11,912	331	9,810	334	11,934	373	10,419	909	17,499	284	15,362	503	76,936	2,733
DINO_03Z	Market	19,003	859	18,010	784	19,898	1,383	17,832	1,267	8,486	723	10,383	1,123	93,613	6,140
DINO_04Z	Market	15,194	835	13,909	883	6,553	1,044	4,263	664	5,717	1,017	6,815	1,257	52,451	5,700
DINO_05Z	Market	8,515	580	7,580	254	3,806	409	4,105	544	3,211	439	5,330	781	32,547	3,007
DINO_06Z	Market	4,451	889	4,944	549	6,531	1,033	7,062	1,484	6,925	953	7,620	618	37,534	5,527
DNGB_21Z	Market	0	0	297	26,005	15,435	8,854	7,747	13,985	6,342	8,139	8,793	13,178	38,614	70,161
DNGB_22Z	Market	14,904	4,193	12,515	5,195	15,677	4,233	7,176	8,436	6,481	5,254	0	392	56,754	27,704
DRAXX01Z	Market	1,724	68,333	5,893	41,685	5,716	51,187	4,345	54,419	3,507	58,920	2,465	70,957	23,650	345,501
DRAXX02Z	Market	3,202	49,721	5,971	55,109	4,510	52,098	3,407	64,927	1,221	61,058	1,247	71,160	19,558	354,073
DRAXX03Z	Market	10,522	8,696	21,347	5,155	20,082	3,705	25,482	2,808	23,924	2,267	26,953	4,763	128,310	27,394
DRAXX04Z	Market	3,146	63,540	6,680	61,540	4,250	46,459	4,886	59,531	3,465	47,053	5,316	49,074	27,742	327,197
DRAXX05Z	Market	3,739	62,626	5,685	53,386	6,552	43,952	5,168	55,960	2,370	45,336	2,823	49,614	26,337	310,873
DRAXX06Z	Market	5,010	60,048	5,773	54,913	5,994	41,859	5,603	56,328	2,218	45,728	3,722	47,018	28,320	305,894
DRAXX09G	DPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRAXX10G	DPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRAXX12G	DPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRKW_09Z	Market	4,016	6,198	3,475	9,957	6,502	7,632	2,089	8,162	3,992	3,641	2,706	10,262	22,780	45,851
DRKW_10Z	Market	5,815	7,057	3,072	10,930	5,615	8,870	2,863	8,895	4,321	3,568	2,220	7,864	23,906	47,184

Genset	Agreement	Monthly Mvarh												6 Month TOTAL	
		Oct-00		Nov-00		Dec-00		Jan-01		Feb-01		Mar-01			
		Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag
DRKW_12Z	Market	2,715	10,004	2,739	14,115	1,863	14,356	726	8,236	2,141	4,835	2,244	17,574	12,429	69,119
DUNGA01Z	DPM	1,118	3,951	1,232	1,398	634	4,031	64	4,989	253	1,476	546	4,422	3,848	20,266
DUNGA02Z	DPM	1,346	6,470	120	3,164	174	6,959	42	5,661	84	3,931	117	8,730	1,883	34,914
DUNGA03Z	DPM	1,653	2,680	1,730	1,153	1,052	4,769	1,143	3,090	486	4,655	909	5,433	6,972	21,780
DUNGA04Z	DPM	1,929	2,358	3,254	461	1,065	3,379	2,431	1,164	1,352	996	1,458	2,740	11,490	11,098
EGGPS01Z	DPM	1,430	27,854	45	3,712	1,451	5,078	2,667	20,109	1,618	25,822	2,563	26,059	9,773	108,635
EGGPS02Z	DPM	1,003	20,584	2,383	25,770	2,259	15,248	1,120	23,435	1,946	21,208	2,358	21,601	11,068	127,846
EGGPS03Z	DPM	640	297	1,691	13,858	935	6,168	0	0	0	0	2,233	14,987	5,500	35,309
EGGPS04Z	DPM	1,452	27,976	657	20,453	2,028	21,329	1,945	30,114	2,382	25,400	1,540	24,077	10,004	149,349
FAWL_03Z	Market	321	1,127	297	1,309	181	949	185	1,564	143	189	1,060	1,632	2,187	6,771
FAWN_01Z	Market	2,703	136	1,158	224	349	593	28	47	0	0	0	0	4,237	1,000
FELL_01Z	DPM	3,572	579	1,900	1,339	4,238	706	1,372	2,776	1,171	1,359	1,048	559	13,301	7,317
FERR_01Z	Market	2,332	28,729	1,590	19,231	780	2,408	1,597	15,016	1,694	13,744	3,711	18,622	11,704	97,750
FERR_02Z	Market	1,169	32,924	2,757	26,766	2,110	21,125	3,191	18,123	2,466	8,045	1,890	6,950	13,584	113,933
FERR_03Z	Market	994	24,990	2,862	22,638	1,276	13,045	2,657	20,162	2,392	10,821	1,917	10,725	12,099	102,381
FERR_04Z	Market	2,483	27,332	1,105	27,173	485	11,444	2,180	7,630	1,342	4,320	3,038	18,609	10,634	96,509
FFES_01Z	Market	847	1,094	1,934	1,355	319	950	228	767	164	414	215	504	3,706	5,083
FFES_02Z	Market	349	1,415	512	1,595	310	1,382	241	1,318	161	1,103	283	1,112	1,855	7,925
FFES_03Z	Market	720	150	1,528	498	1,416	434	1,240	389	1,722	335	1,458	222	8,085	2,028
FFES_04Z	Market	1,529	289	762	218	2,064	381	2,750	631	2,213	305	1,666	123	10,984	1,946
FIDL_01Z	Market	6,920	6,831	6,357	6,368	6,056	3,650	9,490	2,805	6,580	2,002	8,575	4,118	43,977	25,773
FIDL_02Z	Market	6,793	10,000	5,476	9,049	2,485	6,592	4,669	4,589	8,010	3,922	6,272	4,934	33,704	39,087
FIDL_03Z	Market	15,003	1,593	20,508	258	18,684	505	8,027	700	10,885	1,669	17,577	2,472	90,684	7,197
FIDL_04Z	Market	0	0	1,591	0	9,359	1,994	7,765	5,978	7,211	4,800	11,120	5,421	37,046	18,193
GRAI_01Z	Market	16	174	36	915	418	664	373	866	0	0	630	1,309	1,473	3,927
GRAI_04Z	Market	1,217	269	96	273	307	387	1,099	357	149	559	0	0	2,868	1,846
HEYM101Z	Market	2,467	83,310	2,916	55,438	4,179	59,425	2,703	72,562	1,757	56,489	2,516	58,169	16,538	385,393
HEYM102Z	Market	981	50,686	4,625	72,079	3,606	69,778	1,746	69,478	1,590	56,444	2,692	54,249	15,239	372,713
HEYM207Z	DPM	2,782	74,025	3,100	61,246	1,959	57,518	1,824	58,787	2,489	44,399	2,877	46,782	15,031	342,755

Genset	Agreement	Monthly Mvarh												6 Month TOTAL	
		Oct-00		Nov-00		Dec-00		Jan-01		Feb-01		Mar-01			
		Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag
HEYM208Z	DPM	2,295	53,405	3,372	49,593	2,335	47,901	1,382	50,881	1,340	40,836	3,001	55,073	13,725	297,689
HINB_07Z	Market	21,014	1,919	29,851	4,367	32,690	7,349	16,271	9,128	24,119	3,513	22,285	5,904	146,230	32,180
HINB_08Z	Market	28,911	8,937	29,883	5,348	9,233	2,386	7,833	8,436	17,974	7,139	21,952	4,683	115,786	36,929
HMAR_01Z	DPM	11,153	289	5,507	837	2,027	2,703	783	2,234	638	1,109	1,181	1,270	21,288	8,441
HMAR_02Z	Market	1,419	5,582	1,134	2,996	3,099	2,310	1,436	1,219	726	710	712	1,729	8,527	14,546
HMAR_03Z	Market	2,068	2,790	1,502	2,525	1,220	4,549	341	1,870	342	673	989	795	6,462	13,202
HMAR_04Z	DPM	7,527	279	11,687	106	13,074	165	4,313	176	3,225	155	3,804	225	43,631	1,106
HMAR_05Z	Market	335	5,051	901	3,829	2,877	2,181	3,514	320	2,038	147	7,464	369	17,129	11,897
HRTL_01Z	Market	441	84,640	530	54,419	907	63,460	380	71,966	278	73,337	22,182	74,994	24,717	422,815
HRTL_02Z	Market	407	61,252	497	96,086	622	63,666	575	72,354	363	52,722	1,207	65,969	3,672	412,049
IROB_01Z	DPM	390	757	1,015	4,815	447	2,052	2,832	10,118	2,830	4,786	5,538	9,514	13,050	32,042
IROB_02Z	Market	2,074	6,822	1,044	3,781	218	1,603	3,610	9,814	3,515	10,920	0	0	10,462	32,940
KEAD_01Z	Market	483	61,665	1,133	69,785	444	55,101	724	43,776	1,109	41,131	673	42,991	4,565	314,450
KILLP01Z	Market	1,344	54,183	975	50,120	742	34,727	845	29,354	1,046	20,817	979	36,195	5,931	225,396
KILLP02Z	Market	1,036	49,086	1,260	46,119	1,432	42,975	1,058	33,071	1,582	19,312	1,176	37,247	7,544	227,810
KILNS01Z	DPM	918	66,265	1,268	46,461	1,651	48,738	1,668	50,409	1,130	26,308	1,224	32,320	7,860	270,501
KINO_01Z	Market	0	0	3,048	6,770	10,804	6,949	7,185	10,389	9,220	5,245	7,458	9,898	37,715	39,250
KINO_02Z	Market	3,791	3,425	7,324	9,824	4,164	5,285	10,274	10,855	10,199	4,628	6,107	8,431	41,859	42,448
KINO_03Z	Market	6,235	8,420	3,646	11,817	2,270	7,274	9,509	11,758	6,316	6,478	6,317	11,192	34,293	56,939
KINO_04Z	DPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLYNA01Z	Market	2,229	8,193	2,504	14,952	2,224	7,584	783	9,187	2,050	8,215	3,431	11,808	13,221	59,939
LBAR_01Z	Market	7,479	46,780	1,732	34,302	4,548	36,547	3,083	40,292	632	49,430	1,879	53,470	19,353	260,821
LITTD01G	DPM	0	0	0	12	0	0	0	0	0	0	0	0	0	12
LITTD01Z	DPM	752	2,070	558	5,019	392	4,815	2,159	7,973	416	4,535	1,136	3,679	5,413	28,091
LITTD02G	DPM	0	1	0	4	0	0	0	6	0	0	0	0	0	10
LITTD03G	DPM	0	0	0	0	0	0	0	0	1	0	0	0	1	0
MEDP_01Z	Market	24,860	7,282	13,548	12,485	19,832	12,725	14,201	15,043	17,902	9,578	10,996	7,123	101,339	64,237
OLDS_01Z	Market	3,238	16,866	1,972	17,571	1,814	14,190	437	22,275	281	27,211	4,510	13,790	12,251	111,905
OLDS_02Z	Market	3,189	20,434	2,250	14,441	1,524	14,770	721	24,466	321	24,179	4,956	11,756	12,961	110,046

Genset	Agreement	Monthly Mvarh												6 Month TOTAL	
		Oct-00		Nov-00		Dec-00		Jan-01		Feb-01		Mar-01			
		Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag
PETEM01Z	Market	6,267	18,163	1,938	9,491	1,305	2,828	1,920	7,666	3,983	2,357	4,149	9,902	19,562	50,406
RATS_01Z	Market	5,506	26,933	2,311	24,584	5,963	18,273	3,755	22,784	2,851	14,740	0	0	20,387	107,314
RATS_02Z	Market	2,909	32,285	2,232	31,311	2,499	15,425	686	33,976	1,441	32,180	1,703	35,138	11,469	180,315
RATS_03Z	Market	543	18,802	777	8,593	2,843	21,720	1,949	30,578	2,750	24,227	1,554	34,134	10,415	138,055
RATS_04Z	Market	999	21,114	2,593	22,746	1,829	7,601	1,447	19,828	412	10,256	885	4,832	8,166	86,377
ROCK_01Z	DPM	0	0	6,270	8,109	12,100	20,584	11,693	17,608	10,345	14,149	14,858	10,137	55,266	70,587
ROOS_01Z	DPM	422	5,445	31	4,614	1,169	2,685	19	5,575	850	2,008	1,490	944	3,981	21,272
RUGLB06G	DPM	0	0	0	0	0	0	0	14	0	0	0	4	0	18
RUGLB06Z	DPM	1,146	5,382	0	0	1,922	1,837	5,894	10,006	7,649	6,791	4,742	13,799	21,353	37,816
RUGLB07G	DPM	0	0	0	0	0	3	0	0	0	0	20	7	20	10
RUGLB07Z	Market	2,420	7,751	2,127	10,057	1,441	4,507	7,618	8,972	4,581	6,151	4,689	14,928	22,876	52,365
RYEH_01Z	Market	25,117	39,328	10,867	35,311	22,089	25,632	13,404	37,863	15,254	20,305	7,903	32,356	94,634	190,796
SEAB_01Z	Market	11,480	13,375	5,462	7,325	7,971	10,421	8,163	11,503	4,910	10,377	3,751	8,232	41,737	61,232
SHBA_01Z	Market	3,441	6,569	4,954	11,788	7,141	8,267	5,670	14,693	5,173	12,993	4,068	11,453	30,448	65,763
SHBA_02Z	Market	2,908	17,676	4,105	5,930	5,526	2,272	6,019	4,929	1,733	261	4,888	9,891	25,180	40,958
SIZB_01Z	Market	373	7,244	4,564	30,614	4,871	22,628	3,723	30,676	4,306	25,142	5,633	29,634	23,470	145,937
SIZB_02Z	Market	214	6,072	5,405	24,746	6,015	20,598	3,279	31,476	3,189	27,894	6,142	28,355	24,244	139,142
SIZEA01Z	DPM	2,619	18,863	773	10,443	2,432	6,459	1,516	9,784	1,098	6,960	910	8,475	9,348	60,985
SIZEA02Z	DPM	2,642	17,185	1,726	6,888	3,539	5,013	1,756	9,754	1,082	6,741	1,574	5,975	12,318	51,556
SUTB_01Z	Market	16,250	52,815	6,203	43,720	8,620	36,829	6,463	42,608	4,088	29,458	5,637	27,641	47,261	233,071
TAYL_02Z	Market	0	2	16	9	0	20	1	39	0	8	0	6	17	85
TAYL_03Z	Market	0	1	3	2	1	9	7	11	2	2	2	1	14	26
TESI_01Z	DPM	1,498	48,098	3,500	37,308	5,519	29,671	3,342	31,580	4,241	22,475	5,873	21,046	23,973	190,178
TESI_02Z	DPM	392	46,930	1,598	29,174	4,182	28,083	2,920	24,061	5,440	17,613	5,050	18,451	19,582	164,312
TILBB08Z	Market	7,157	3,922	3,896	9,885	8,091	9,303	6,221	10,328	7,877	6,243	5,673	8,326	38,916	48,008
TILBB09Z	Market	7,481	7,065	7,457	4,951	2,328	4,448	3,976	6,860	6,899	4,881	3,917	5,166	32,059	33,371
WEBU_01Z	DPM	468	20,410	363	10,791	320	16,906	1,196	44,759	585	41,072	1,557	34,804	4,489	168,742
WEBU_02Z	Market	816	35,409	566	45,038	388	32,835	1,560	49,979	1,255	43,893	1,817	48,941	6,401	256,095
WEBU_03Z	Market	548	32,516	566	21,945	241	25,778	1,135	39,492	542	34,058	559	56,691	3,590	210,479

Genset	Agreement	Monthly Mvarh												6 Month TOTAL	
		Oct-00		Nov-00		Dec-00		Jan-01		Feb-01		Mar-01			
		Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag
WEBU_04Z	DPM	53	3,897	1,437	13,542	240	17,735	968	46,251	871	43,082	906	54,244	4,474	178,752
WYLF_01Z	DPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WYLF_02Z	DPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WYLF_03Z	DPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WYLF_04Z	DPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub Total	**DPM**	**97,124**	**513,191**	**89,742**	**432,429**	**104,404**	**419,620**	**105,039**	**528,647**	**100,415**	**396,672**	**104,582**	**474,708**	**601,306**	**2,765,268**
Sub Total	**Market**	**516,607**	**1,638,244**	**464,844**	**1,656,135**	**526,097**	**1,343,321**	**418,128**	**1,657,566**	**422,997**	**1,278,617**	**447,750**	**1,515,671**	**2,796,421**	**9,089,554**
Total	**Mvarh**	**613,731**	**2,151,434**	**554,585**	**2,088,564**	**630,501**	**1,762,942**	**523,167**	**2,186,214**	**523,412**	**1,675,289**	**552,331**	**1,990,379**	**3,397,727**	**11,854,822**

Appendix 5

Tender Assessment Procedure

A5.1 Introduction

A5.11 National Grid assessed the seventh Reactive Power Market tender round using a similar process as that which applied to all previous tender rounds. Analytical processing was conducted in six-monthly segments in order to consider any interaction with the overlap of contracts secured during the previous Reactive Power Market tender rounds.

A5.12 National Grid divided the process of assessing tenders into several stages, which were addressed as follows:

- *Tender Receipt and Registration*: The tenders were opened, in the presence of a separate witness and all tender data was transcribed into TARDIS (Transmission Ancillary Reactive Database Information System).

- *Tender Data validation*: All database entries were then separately checked back to the original tender sheets. TARDIS compliance checks showed that all tenders submitted were indeed compliant.

- *Obligatory Reactive Power Service Assessment*: The tenders were assessed against likely outgoings, taking into account the many interacting factors associated with each tender acceptance decision, as described in MCUSA Schedule 5, Appendix 6. This involved, inter-alia, evaluation against projections of expenditure and availability of service against historic and forecast Mvar and Mvarh data to produce central views of the money payable under the DPM or a market agreement (described below). The overall assessment was supported by an examination of many credible sensitivities around the central view.

- *Enhanced Reactive Power Service Assessment*: Had National Grid received any ERPS tenders these would have been considered on a case-by-case basis against possible alternatives, such as transmission constraints or National Grid investment.

A5.2 Core Analytical processing

A5.21 Tender assessment takes place in the context of uncertainties and interactions affecting reactive payments and transmission requirements. To initiate the assessment of the overall value of each tender, it is considered necessary to construct a central view of future payments so that the relative impact of the factors influencing the economic evaluation of tenders can be fully addressed.

A5.22 For each genset tendered for 2001/02, the processing was as follows:

- Forecast Mvarh generated, in each band by reactive Mvar breakpoints, were set via extrapolations from historic observations and forecast load factors. The historic observations covered representative days over the period 1997 to 2000 and came from the Ancillary Services records against which reactive power utilisation is currently being paid.

- The default utilisation money was set at forecast Mvarh multiplied by the utilisation price of £1.30/ Mvarh nationally. (Derived from MCUSA Schedule 5)

- Market agreement capability money was set at tendered price multiplied by tendered capability, allowing for break-points, multiplied by forecast hours both available and synchronised.

- Market agreement utilisation money was set at tendered prices, multiplied by the above forecast Mvarh, respecting the tendered break-point bands of Mvarh utilisation.

A5.23 The core comparison of default versus market agreement is based on the forecast payments detailed above. Reactive power assessment is however, by no means as simple as taking the cheapest option. A full understanding of the factors influencing reactive power requirements on the National Grid Transmission System must be taken into account to provide a complete economic assessment of tender value.

A5.3 Assessment Sensitivities

A5.31 The principal role of tender assessment is to quantify and evaluate consistently the many factors that National Grid and the Reactive Power Market Working Group (RPMWG) have agreed should be considered. These factors are those referred to in 5.3(e)(ii) of MCUSA Schedule 5 and are cross-referenced in section 2.12 of the Invitation to Tender pack. The National Grid evaluation team has developed and implemented a process enabling these factors and associated uncertainties to be methodically considered.

A5.32 The RPMWG accepted at the outset of the reactive market that aspects of the tender evaluation process would be subjective in nature. It was therefore important to establish a framework within which this subjectivity could be exercised in a consistent fashion across all tenders.

A5.33 Specific questions were asked of each tender, examples of which follow:

- X *Would a Market Agreement (central case assessment) give a reduction in payments?*
- X *Would a Market Agreement reflect the effectiveness at providing voltage support at that location?*
- X *Would a Market Agreement be robust against:*
  - < *expected individual variations in utilisation due to:*
    ** a new station opening nearby*
    ** an existing nearby station closing*
    ** trends in local reactive power demand*
- X *Would a Market Agreement enhance the incentive on the Generator to maintain his Grid Code capability?*
- X *How would a Market Agreement affect operational despatch?*
- X *To what extent might a Market Agreement potentially offset National Grid investment?*
- X *Would a Market Agreement for ORPS enable a desired contract for ERPS?*

A5.34 All other criteria in MCUSA Schedule 5 paragraph 5.3 are covered by this methodology.

A5.35 In all cases, National Grid continued to consider interaction with forecast transmission constraints. In all cases there were insignificant interactions with constraints identified.

A5.36 In all cases, National Grid considered possible interaction with National Grid planned investments. The commissioning in 2000/01 of new National Grid transmission equipment, which includes some reactive compensation equipment, influenced National Grid's view of forecast Mvarh. All of the commissioning equipment is required for compliance with Transmission Licence Standards, and re-phasing of planned National Grid investments within a 12-month contract period is not a practical option.

Appendix 6

Contact Numbers

A6.1 Comments, suggestions and enquiries can be directed to:

Paul Bagg
Contracts and Trading
National Grid

on **02476 4231289**

A6.2 Further report information may be obtained by contacting:

Contracts and Trading
Market Development
National Grid House
Kirby Corner Road
Coventry CV4 8JY

A6.3 For any other information please visit the NGC website on the following address:

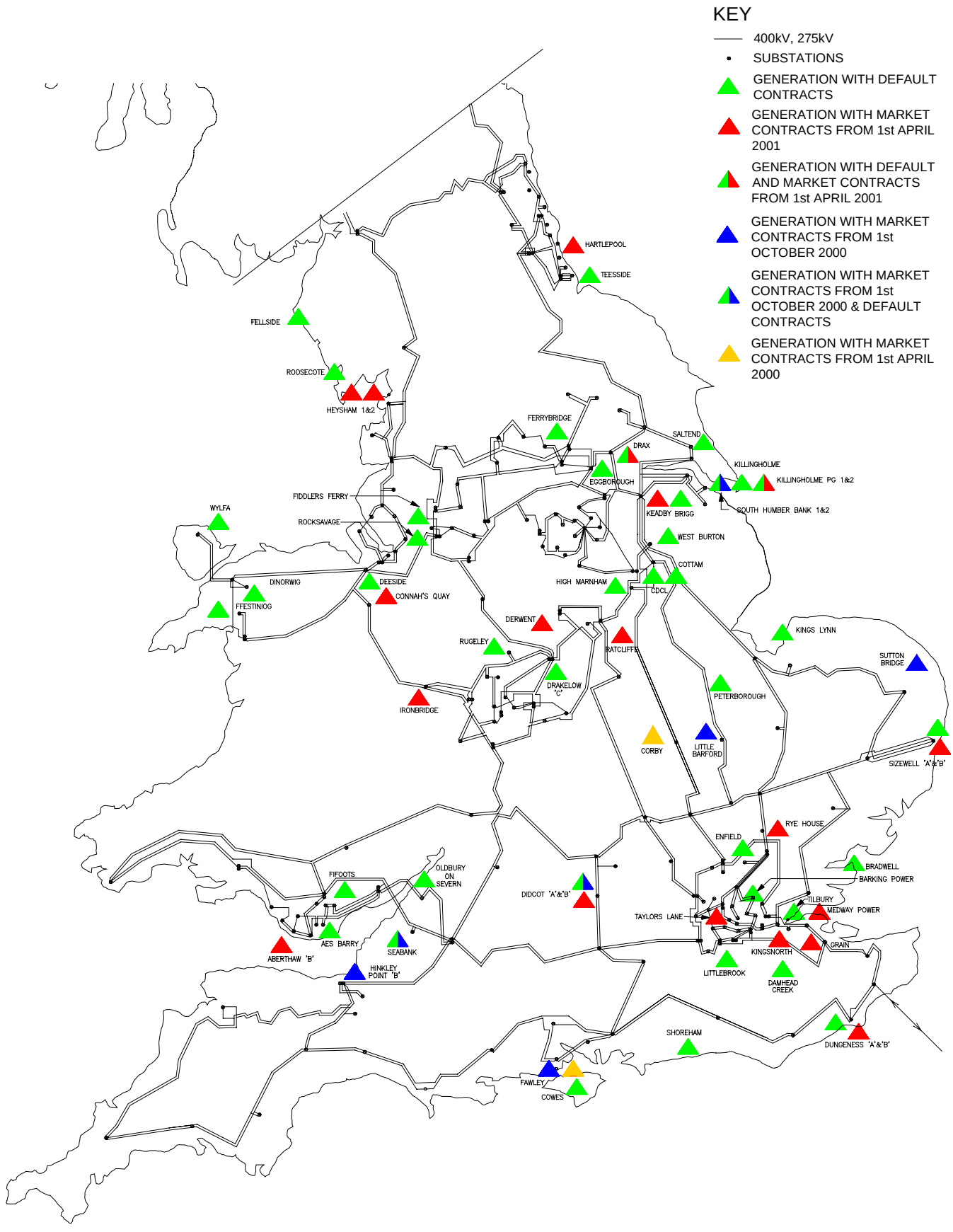
www.nationalgrid.com/uk/balancing

Figure 1

Geographic distribution of gensets
highlighting those with market agreements and those on default

FIGURE 1

GENERATION ELIGIBLE FOR REACTIVE POWER PAYMENTS AS AT 1st APRIL 2001 SHOWING THE SPLIT BETWEEN DEFAULT AND MARKET CONTRACTS



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