

## **Mod0356 Workgroup – 08.02.11**

### **Produce Indicative NTS Exit (Flat) Capacity Prices with demand flows based on 'As-Is' Methodology other than Moffat demand being reduced in order to achieve a Supply / Demand balance**

Information and indicative NTS Exit (Flat) Capacity Prices have been provided below in response to a request for further analysis to be conducted from the UNC Modification Workgroup 0356 held on 8<sup>th</sup> February, 2011

The indicative prices set out below are based on the following model inputs:

- For bi-directional sites the modelled demand will be as follows:
  - For bi-directional sites with physical entry capability (storage, IUK, and BBL) the modelled demand is zero.
  - For bi-directional sites with no physical entry capability (Moffat) the modelled demand will be reduced in order to achieve a Supply / Demand balance.
- For DN offtakes, the modelled demand will be the obligated (baseline plus incremental) capacity level.
- For directly connected (DC) offtakes (NTS Power Generation & Industrials) the modelled demand will be the obligated (baseline plus incremental) capacity level other than where DC sites have not been commissioned or have been decommissioned.

# 1 Further Information

The following tables shows indicative NTS Exit (Flat) Capacity Prices compared with the indicative prices calculated in accordance with the prevailing Charging Methodology ahead of the 2010 application window and National Grids UNC Modification Proposal 0356;

NTS Exit (Flat) Capacity Prices (p/kWh/day)				
Exit Point	DC/DN	2012/13		Moffat as Balancer
		As-Is Prevailing Methodology (May 2010)	NG Proposed Methodology	
AM_PAPER	DC	0.0153	0.0177	0.0174
AVONMOUTH LNG	DC	0.0090	0.0149	0.0111
BACTON INTERCONNECTOR	DC	0.0001	0.0001	0.0001
BACTON_BAIRD	DC	0.0001	0.0001	0.0001
BAGLAN_BAY_PG	DC	0.0001	0.0001	0.0001
BARKING_PG	DC	0.0101	0.0118	0.0122
BARROW_BAINS	DC	0.0059	0.0083	0.0080
BARROW_BS	DC	0.0059	0.0083	0.0080
BARROW_GATEWAY	DC	0.0059	0.0083	0.0080
BARTON_STACEY_(MRS)	DC	0.0205	0.0222	0.0226
BILLINGHAM_ICI	DC	0.0032	0.0070	0.0051
BP_GRANGEMOUTH	DC	0.0082	0.0001	0.0001
BP_SALTEND_HP	DC	0.0001	0.0001	0.0001
BRIDGEWATER_PAPER	DC	0.0201	0.0245	0.0237
BRIGG_PG	DC	0.0029	0.0052	0.0050
BRIMSDOWN_PG	DC	0.0106	0.0123	0.0127
BRINE_FIELD_PS	DC	0.0026	0.0063	0.0044
BRUNNER_MOND	DC	0.0171	0.0209	0.0207
CARRINGTON_PS	DC	0.0176	0.0203	0.0197
CAYTHORPE_(MRS)	DC	0.0001	0.0009	0.0001
CENTRAX	DC	0.0216	0.0240	0.0237
CHESHIRE_(MRS)	DC	0.0164	0.0208	0.0200
CONNAHS_QUAY_PS	DC	0.0205	0.0249	0.0241
CORBY_PS	DC	0.0079	0.0102	0.0100
CORYTON_PG	DC	0.0104	0.0115	0.0125
CORYTON_PG_2	DC	0.0104	0.0115	0.0125
COTTAM_PG	DC	0.0019	0.0043	0.0040
DAMHEAD_CREEK	DC	0.0097	0.0096	0.0118
DEESIDE_PS	DC	0.0202	0.0245	0.0237
DIDCOT_A	DC	0.0168	0.0185	0.0189
DIDCOT_PS	DC	0.0168	0.0184	0.0189
DRAKELOW_PS	DC	0.0129	0.0153	0.0150
DYNEVOR_ARMS_LNG	DC	0.0001	0.0001	0.0001
EASINGTON&ROUGH_TERMINAL	DC	0.0001	0.0001	0.0001
ENRON_(BILLINGHAM)	DC	0.0032	0.0070	0.0051
GARTON_(MRS)	DC	0.0001	0.0001	0.0001
GLENMAVIS LNG	DC	0.0107	0.0001	0.0001
GOOLE_GLASS	DC	0.0006	0.0030	0.0027
GRAIN_GAS	DC	0.0097	0.0096	0.0118
GREAT_YARMOUTH	DC	0.0001	0.0001	0.0001
HATFIELD_MOOR_(MRS)	DC	0.0011	0.0035	0.0032
HAYS_CHEMICALS	DC	0.0170	0.0214	0.0206
HOLEHOUSE_FARM_(MRS)	DC	0.0172	0.0216	0.0208
HORNSEA_(MRS)	DC	0.0001	0.0001	0.0001
ICI_RUNCORN	DC	0.0202	0.0246	0.0238

NTS Exit (Flat) Capacity Prices (p/kWh/day)				
Exit Point	DC/DN	2012/13		Moffat as Balancer
		As-Is Prevaling Methodology (May 2010)	NG Proposed Methodology	
IMMINGHAM_PG	DC	0.0001	0.0001	0.0001
KEADBY_BS	DC	0.0018	0.0041	0.0039
KEADBY_PS	DC	0.0018	0.0041	0.0039
KEMIRAINCE_CHP	DC	0.0199	0.0242	0.0234
KINGS_LYNN_PS	DC	0.0029	0.0046	0.0050
LANGAGE_PG	DC	0.0246	0.0269	0.0267
LITTLE_BARFORD_PS	DC	0.0094	0.0111	0.0115
LONGANNET	DC	0.0075	0.0001	0.0001
MARCHWOOD	DC	0.0216	0.0239	0.0237
MEDWAY_PS	DC	0.0098	0.0097	0.0119
MILFORD_HAVEN_REFINERY	DC	0.0001	0.0001	0.0001
MOFFAT	DC	0.0154	0.0015	0.0013
PARTINGTON_LNG	DC	0.0176	0.0203	0.0197
PEMBROKE_PG	DC	0.0001	0.0001	0.0001
PETERBOROUGH_PS	DC	0.0060	0.0076	0.0081
PETERHEAD_PG	DC	0.0001	0.0001	0.0001
PHILLIPS_SEAL_SANDS	DC	0.0026	0.0063	0.0044
ROCKSAVAGE_PG	DC	0.0202	0.0246	0.0238
ROOSECOTE_PS	DC	0.0059	0.0083	0.0080
RYE_HOUSE_PS	DC	0.0111	0.0127	0.0132
SALTEND	DC	0.0001	0.0001	0.0001
SAPPAPAPERMILLCHP	DC	0.0142	0.0165	0.0163
SEABANK_POWER_phase_II	DC	0.0091	0.0149	0.0112
SEABANK_POWER_phase1	DC	0.0108	0.0131	0.0129
SELLAFIELD_PS	DC	0.0099	0.0123	0.0120
SEVERNSIDE_ICI	DC	0.0091	0.0148	0.0112
SHOTTON_PAPER	DC	0.0204	0.0248	0.0240
SPALDING_PG	DC	0.0033	0.0057	0.0054
SPALDING_PG_2	DC	0.0033	0.0057	0.0054
ST_FERGUS_BS	DC	0.0001	0.0001	0.0001
STALLINGBOROUGH	DC	0.0001	0.0001	0.0001
STAYTHORPE	DC	0.0049	0.0072	0.0070
STUBLACH	DC	0.0164	0.0208	0.0200
SUTTON_BRIDGE_PS	DC	0.0043	0.0060	0.0064
TEESSIDE_BASF	DC	0.0026	0.0064	0.0044
TEESSIDE_HYDROGEN	DC	0.0026	0.0064	0.0044
THORNTON_CURTIS_(KILLINGHOLME)	DC	0.0001	0.0001	0.0001
WEST_BURTON_PS	DC	0.0019	0.0042	0.0040
WYRE_PS	DC	0.0131	0.0154	0.0152
ZENECA	DC	0.0032	0.0070	0.0051
BACTON_OT	EA	0.0001	0.0001	0.0001
BRISLEY	EA	0.0003	0.0020	0.0024
CAMBRIDGE	EA	0.0066	0.0082	0.0087
EYE	EA	0.0056	0.0073	0.0077
GREAT_WILBRAHAM	EA	0.0056	0.0073	0.0077
MATCHING_GREEN	EA	0.0097	0.0114	0.0118
ROUDHAM_HEATH	EA	0.0019	0.0036	0.0040
ROYSTON	EA	0.0075	0.0091	0.0096
WEST_WINCH	EA	0.0027	0.0043	0.0048
WHITWELL	EA	0.0094	0.0110	0.0115
YELVERTON	EA	0.0001	0.0015	0.0019
ALREWAS_EM	EM	0.0134	0.0158	0.0155
BLABY	EM	0.0099	0.0123	0.0120

NTS Exit (Flat) Capacity Prices (p/kWh/day)				
Exit Point	DC/DN	2012/13		Moffat as Balancer
		As-Is Prevaling Methodology (May 2010)	NG Proposed Methodology	
BLYBOROUGH	EM	0.0019	0.0043	0.0040
CALDECOTT	EM	0.0076	0.0099	0.0097
DROINTON_OT	EM	0.0145	0.0169	0.0166
GOSBERTON	EM	0.0030	0.0053	0.0051
KIRKSTEAD	EM	0.0010	0.0033	0.0031
MARKET_HARBOROUGH	EM	0.0087	0.0110	0.0108
SILK_WILLOUGHBY	EM	0.0022	0.0045	0.0043
SUTTON_BRIDGE	EM	0.0044	0.0061	0.0065
THORNTON_CURTIS_LDZ	EM	0.0001	0.0001	0.0001
TUR_LANGTON	EM	0.0089	0.0112	0.0110
WALESBY	EM	0.0001	0.0009	0.0006
ASSELBY	NE	0.0001	0.0025	0.0022
BALDESBY	NE	0.0052	0.0076	0.0073
BURLEY_BANK	NE	0.0045	0.0068	0.0066
GANSTEAD	NE	0.0001	0.0001	0.0001
PANNAL	NE	0.0040	0.0064	0.0061
PAULL	NE	0.0001	0.0001	0.0001
PICKERING	NE	0.0001	0.0036	0.0012
RAWCLIFFE	NE	0.0003	0.0026	0.0024
TOWTON	NE	0.0023	0.0046	0.0044
BISHOP_AUCKLAND	NO	0.0050	0.0071	0.0068
BISHOP_AUCKLAND_TEST_FACILITY	NO	0.0050	0.0071	0.0068
COLDSTREAM	NO	0.0118	0.0001	0.0001
CORBRIDGE	NO	0.0094	0.0026	0.0023
COWPEN_BEWLEY	NO	0.0030	0.0068	0.0049
ELTON	NO	0.0034	0.0079	0.0055
GUYZANCE	NO	0.0120	0.0001	0.0001
HUMBLETON	NO	0.0113	0.0001	0.0001
KELD	NO	0.0120	0.0092	0.0089
LITTLE_BURDON	NO	0.0039	0.0083	0.0060
MELKINTHORPE	NO	0.0127	0.0085	0.0082
SALTWICK_PC	NO	0.0152	0.0013	0.0011
SALTWICK_VC	NO	0.0152	0.0013	0.0011
THRINTOFT	NO	0.0055	0.0095	0.0076
TOW_LAW	NO	0.0069	0.0090	0.0088
WETHERAL	NO	0.0135	0.0059	0.0057
HORNDON	NT	0.0101	0.0118	0.0122
LUXBOROUGH_LANE	NT	0.0104	0.0120	0.0125
PETERS_GREEN	NT	0.0098	0.0115	0.0119
PETERS_GREEN_SOUTH_MIMMS	NT	0.0098	0.0115	0.0119
WINKFIELD_NT	NT	0.0185	0.0202	0.0206
AUDLEY_NW	NW	0.0180	0.0204	0.0201
BLACKROD	NW	0.0152	0.0175	0.0173
ECCLESTON	NW	0.0200	0.0236	0.0234
HOLMES_CHAPEL	NW	0.0193	0.0216	0.0214
LUPTON	NW	0.0094	0.0118	0.0115
MALPAS	NW	0.0199	0.0223	0.0220
MICKLE_TRAFFORD	NW	0.0193	0.0237	0.0229
PARTINGTON	NW	0.0176	0.0203	0.0197
SAMLESBURY	NW	0.0138	0.0161	0.0159
WARBURTON	NW	0.0178	0.0201	0.0199
WESTON_POINT	NW	0.0202	0.0246	0.0238
ABERDEEN	SC	0.0001	0.0001	0.0001

NTS Exit (Flat) Capacity Prices (p/kWh/day)				
Exit Point	DC/DN	2012/13		Moffat as Balancer
		As-Is Prevaling Methodology (May 2010)	NG Proposed Methodology	
ARMADALE	SC	0.0099	0.0001	0.0001
BALGRAY	SC	0.0016	0.0001	0.0001
BATHGATE	SC	0.0095	0.0001	0.0001
BROXBURN	SC	0.0110	0.0001	0.0001
CARESTON	SC	0.0001	0.0001	0.0001
DRUM	SC	0.0067	0.0001	0.0001
GLENMAVIS	SC	0.0107	0.0001	0.0001
HUME	SC	0.0128	0.0001	0.0001
KINKNOCKIE	SC	0.0001	0.0001	0.0001
LANGHOLM	SC	0.0134	0.0035	0.0033
LAUDERHILL	SC	0.0144	0.0001	0.0003
LOCKERBIE	SC	0.0144	0.0026	0.0024
MOSSIDE	SC	0.0001	0.0001	0.0001
NETHER_HOWCLEUGH	SC	0.0147	0.0008	0.0005
PITCAIRNGREEN	SC	0.0039	0.0001	0.0001
SOUTRA	SC	0.0145	0.0006	0.0004
ST_FERGUS_OT	SC	0.0001	0.0001	0.0001
STRANRAER	SC	0.0154	0.0015	0.0013
FARNINGHAM	SE	0.0120	0.0119	0.0141
FARNINGHAM_B	SE	0.0120	0.0119	0.0141
SHORNE	SE	0.0110	0.0109	0.0131
TATSFIELD	SE	0.0137	0.0136	0.0158
WINKFIELD_SE	SE	0.0185	0.0202	0.0206
BRAISHFIELD_A	SO	0.0220	0.0237	0.0241
BRAISHFIELD_B	SO	0.0220	0.0237	0.0241
CRAWLEY_DOWN	SO	0.0202	0.0225	0.0223
HARDWICK	SO	0.0133	0.0149	0.0154
IPSDEN	SO	0.0165	0.0181	0.0186
IPSDEN_2	SO	0.0165	0.0181	0.0186
MAPPOWDER	SO	0.0170	0.0194	0.0191
WINKFIELD_SO	SO	0.0185	0.0202	0.0206
AYLESBEARE	SW	0.0192	0.0215	0.0213
CHOAKFORD	SW	0.0246	0.0269	0.0267
CIRENCESTER	SW	0.0086	0.0109	0.0107
COFFINSWELL	SW	0.0218	0.0242	0.0239
EASTON_GREY	SW	0.0091	0.0115	0.0112
EVESHAM	SW	0.0056	0.0080	0.0077
FIDDINGTON	SW	0.0044	0.0067	0.0065
ILCHESTER	SW	0.0149	0.0173	0.0170
KENN_SOUTH	SW	0.0203	0.0226	0.0224
LITTLETON_DREW	SW	0.0099	0.0123	0.0120
PUCKLECHURCH	SW	0.0108	0.0131	0.0129
ROSS_SW	SW	0.0016	0.0039	0.0037
SEABANK_LDZ	SW	0.0092	0.0150	0.0113
ALREWAS_WM	WM	0.0134	0.0158	0.0155
ASPLEY	WM	0.0164	0.0187	0.0185
AUDLEY_WM	WM	0.0180	0.0204	0.0201
AUSTREY	WM	0.0122	0.0145	0.0143
LEAMINGTON_SPA	WM	0.0082	0.0105	0.0103
LOWER_QUINTON	WM	0.0067	0.0091	0.0088
MILWICH	WM	0.0152	0.0175	0.0172
ROSS_WM	WM	0.0016	0.0039	0.0037
RUGBY	WM	0.0093	0.0116	0.0114

NTS Exit (Flat) Capacity Prices (p/kWh/day)				
Exit Point	DC/DN	2012/13		
		As-Is Prevailing Methodology (May 2010)	NG Proposed Methodology	Moffat as Balancer
SHUSTOKE	WM	0.0134	0.0157	0.0155
STRATFORD_UPON_AVON	WM	0.0068	0.0092	0.0089
MAELOR	WN	0.0207	0.0231	0.0228
DOWLAIS	WS	0.0001	0.0001	0.0001
DYFFRYN_CLYDACH	WS	0.0001	0.0001	0.0001
GILWERN	WS	0.0001	0.0010	0.0007