

## **Mod0356 Workgroup - 08.02.11**

### **Produce Indicative NTS Exit (Flat) Capacity Prices with demand flows based on National Grid's Modification Proposal 0356 other than all Direct Connect demand "2-shifting" at 55% of Obligation**

Information and indicative NTS Exit 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 is the undiversified NTS forecast 1-in-20 peak day demand.
- For DN offtakes, the modelled demand will be the undiversified NTS forecast 1-in-20 peak day demand for the DN, and will be prorated to the relevant DN offtakes based on the booked NTS Exit (Flat) Capacity.
- For directly connected (DC) offtakes (NTS Power Generation & Industrials) the modelled demand will be at 55% of 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		All DC's @55% Obligation
		As-Is Prevailing Methodology (May 2010)	NG Proposed Methodology	
AM_PAPER	DC	0.0153	0.0177	0.0166
AVONMOUTH_LNG	DC	0.0090	0.0149	0.0232
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	0.0059
BARKING_PG	DC	0.0101	0.0118	0.0107
BARROW_BAINS	DC	0.0059	0.0083	0.0072
BARROW_BS	DC	0.0059	0.0083	0.0072
BARROW_GATEWAY	DC	0.0059	0.0083	0.0072
BARTON_STACEY_(MRS)	DC	0.0205	0.0222	0.0211
BILLINGHAM_ICI	DC	0.0032	0.0070	0.0042
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	0.0235
BRIGG_PG	DC	0.0029	0.0052	0.0042
BRIMSDOWN_PG	DC	0.0106	0.0123	0.0112
BRINE_FIELD_PS	DC	0.0026	0.0063	0.0036
BRUNNER_MOND	DC	0.0171	0.0209	0.0198
CARRINGTON_PS	DC	0.0176	0.0203	0.0193
CAYTHORPE_(MRS)	DC	0.0001	0.0009	0.0001
CENTRAX	DC	0.0216	0.0240	0.0323
CHESHIRE_(MRS)	DC	0.0164	0.0208	0.0198
CONNAHS_QUAY_PS	DC	0.0205	0.0249	0.0238
CORBY_PS	DC	0.0079	0.0102	0.0092
CORYTON_PG	DC	0.0104	0.0115	0.0110
CORYTON_PG_2	DC	0.0104	0.0115	0.0110
COTTAM_PG	DC	0.0019	0.0043	0.0032
DAMHEAD_CREEK	DC	0.0097	0.0096	0.0103
DEESIDE_PS	DC	0.0202	0.0245	0.0235
DIDCOT_A	DC	0.0168	0.0185	0.0174
DIDCOT_PS	DC	0.0168	0.0184	0.0174
DRAKELOW_PS	DC	0.0129	0.0153	0.0142
DYNEVOR_ARMS_LNG	DC	0.0001	0.0001	0.0076
EASINGTON&ROUGH_TERMINAL	DC	0.0001	0.0001	0.0001
ENRON_(BILLINGHAM)	DC	0.0032	0.0070	0.0042
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	0.0019
GRAIN_GAS	DC	0.0097	0.0096	0.0103
GREAT_YARMOUTH	DC	0.0001	0.0001	0.0001
HATFIELD_MOOR_(MRS)	DC	0.0011	0.0035	0.0027
HAYS_CHEMICALS	DC	0.0170	0.0214	0.0204
HOLEHOUSE_FARM_(MRS)	DC	0.0172	0.0216	0.0205
HORNSEA_(MRS)	DC	0.0001	0.0001	0.0001
ICI_RUNCORN	DC	0.0202	0.0246	0.0236

NTS Exit (Flat) Capacity Prices (p/kWh/day)		2012/13		
Exit Point	DC/DN	As-Is Prevailing Methodology (May 2010)	NG Proposed Methodology	All DC's @55% Obligation
IMMINGHAM_PG	DC	0.0001	0.0001	0.0001
KEADBY_BS	DC	0.0018	0.0041	0.0030
KEADBY_PS	DC	0.0018	0.0041	0.0030
KEMIRAINCE_CHP	DC	0.0199	0.0242	0.0232
KINGS_LYNN_PS	DC	0.0029	0.0046	0.0036
LANGAGE_PG	DC	0.0246	0.0269	0.0352
LITTLE_BARFORD_PS	DC	0.0094	0.0111	0.0100
LONGANNET	DC	0.0075	0.0001	0.0001
MARCHWOOD	DC	0.0216	0.0239	0.0229
MEDWAY_PS	DC	0.0098	0.0097	0.0104
MILFORD_HAVEN_REFINERY	DC	0.0001	0.0001	0.0001
MOFFAT	DC	0.0154	0.0015	0.0004
PARTINGTON_LNG	DC	0.0176	0.0203	0.0192
PEMBROKE_PG	DC	0.0001	0.0001	0.0001
PETERBOROUGH_PS	DC	0.0060	0.0076	0.0066
PETERHEAD_PG	DC	0.0001	0.0001	0.0001
PHILLIPS_SEAL_SANDS	DC	0.0026	0.0063	0.0036
ROCKSAVAGE_PG	DC	0.0202	0.0246	0.0236
ROSECOTE_PS	DC	0.0059	0.0083	0.0072
RYE_HOUSE_PS	DC	0.0111	0.0127	0.0117
SALTEND	DC	0.0001	0.0001	0.0001
SAPPIPAPERMILLCHP	DC	0.0142	0.0165	0.0154
SEABANK_POWER_phase_II	DC	0.0091	0.0149	0.0232
SEABANK_POWER_phase1	DC	0.0108	0.0131	0.0215
SELLAFIELD_PS	DC	0.0099	0.0123	0.0112
SEVERNSIDE_ICI	DC	0.0091	0.0148	0.0231
SHOTTON_PAPER	DC	0.0204	0.0248	0.0237
SPALDING_PG	DC	0.0033	0.0057	0.0046
SPALDING_PG_2	DC	0.0033	0.0057	0.0046
ST_FERGUS_BS	DC	0.0001	0.0001	0.0001
STALLINGBOROUGH	DC	0.0001	0.0001	0.0001
STAYTHORPE	DC	0.0049	0.0072	0.0061
STUBLACH	DC	0.0164	0.0208	0.0198
SUTTON_BRIDGE_PS	DC	0.0043	0.0060	0.0049
TEESSIDE_BASF	DC	0.0026	0.0064	0.0036
TEESSIDE_HYDROGEN	DC	0.0026	0.0064	0.0036
THORNTON_CURTIS_(KILLINGHOLME)	DC	0.0001	0.0001	0.0001
WEST_BURTON_PS	DC	0.0019	0.0042	0.0032
WYRE_PS	DC	0.0131	0.0154	0.0143
ZENECA	DC	0.0032	0.0070	0.0042
BACTON_OT	EA	0.0001	0.0001	0.0001
BRISLEY	EA	0.0003	0.0020	0.0009
CAMBRIDGE	EA	0.0066	0.0082	0.0072
EYE	EA	0.0056	0.0073	0.0062
GREAT_WILBRAHAM	EA	0.0056	0.0073	0.0062
MATCHING_GREEN	EA	0.0097	0.0114	0.0103
ROUDHAM_HEATH	EA	0.0019	0.0036	0.0025
ROYSTON	EA	0.0075	0.0091	0.0081
WEST_WINCH	EA	0.0027	0.0043	0.0033
WHITWELL	EA	0.0094	0.0110	0.0100
YELVERTON	EA	0.0001	0.0015	0.0004
ALREWAS_EM	EM	0.0134	0.0158	0.0147
BLABY	EM	0.0099	0.0123	0.0112

NTS Exit (Flat) Capacity Prices (p/kWh/day)				
Exit Point	DC/DN	2012/13		
		As-Is Prevailing Methodology (May 2010)	NG Proposed Methodology	All DC's @55% Obligation
BLYBOROUGH	EM	0.0019	0.0043	0.0032
CALDECOTT	EM	0.0076	0.0099	0.0088
DROINTON_OT	EM	0.0145	0.0169	0.0158
GOSBERTON	EM	0.0030	0.0053	0.0043
KIRKSTEAD	EM	0.0010	0.0033	0.0022
MARKET_HARBOROUGH	EM	0.0087	0.0110	0.0099
SILK_WILLOUGHBY	EM	0.0022	0.0045	0.0035
SUTTON_BRIDGE	EM	0.0044	0.0061	0.0050
THORNTON_CURTIS_LDZ	EM	0.0001	0.0001	0.0001
TUR_LANGTON	EM	0.0089	0.0112	0.0101
WALESBY	EM	0.0001	0.0009	0.0001
ASSELBY	NE	0.0001	0.0025	0.0014
BALDESBY	NE	0.0052	0.0076	0.0065
BURLEY_BANK	NE	0.0045	0.0068	0.0057
GANSTEAD	NE	0.0001	0.0001	0.0001
PANNAL	NE	0.0040	0.0064	0.0053
PAULL	NE	0.0001	0.0001	0.0001
PICKERING	NE	0.0001	0.0036	0.0025
RAWCLIFFE	NE	0.0003	0.0026	0.0016
TOWTON	NE	0.0023	0.0046	0.0036
BISHOP_AUCKLAND	NO	0.0050	0.0071	0.0060
BISHOP_AUCKLAND_TEST_FACILITY	NO	0.0050	0.0071	0.0060
COLDSTREAM	NO	0.0118	0.0001	0.0001
CORBRIDGE	NO	0.0094	0.0026	0.0015
COWPEN_BEWLEY	NO	0.0030	0.0068	0.0040
ELTON	NO	0.0034	0.0079	0.0052
GUYZANCE	NO	0.0120	0.0001	0.0001
HUMBLETON	NO	0.0113	0.0001	0.0001
KELD	NO	0.0120	0.0092	0.0081
LITTLE_BURDON	NO	0.0039	0.0083	0.0056
MELKINTHORPE	NO	0.0127	0.0085	0.0074
SALTWICK_PC	NO	0.0152	0.0013	0.0002
SALTWICK_VC	NO	0.0152	0.0013	0.0002
THRINTOFT	NO	0.0055	0.0095	0.0073
TOW_LAW	NO	0.0069	0.0090	0.0079
WETHERAL	NO	0.0135	0.0059	0.0049
HORNDON	NT	0.0101	0.0118	0.0107
LUXBOROUGH_LANE	NT	0.0104	0.0120	0.0110
PETERS_GREEN	NT	0.0098	0.0115	0.0104
PETERS_GREEN_SOUTH_MIMMS	NT	0.0098	0.0115	0.0104
WINKFIELD_NT	NT	0.0185	0.0202	0.0191
AUDLEY_NW	NW	0.0180	0.0204	0.0193
BLACKROD	NW	0.0152	0.0175	0.0165
ECCLESTON	NW	0.0200	0.0236	0.0226
HOLMES_CHAPEL	NW	0.0193	0.0216	0.0205
LUPTON	NW	0.0094	0.0118	0.0107
MALPAS	NW	0.0199	0.0223	0.0212
MICKLE_TRAFFORD	NW	0.0193	0.0237	0.0226
PARTINGTON	NW	0.0176	0.0203	0.0193
SAMLESBURY	NW	0.0138	0.0161	0.0150
WARBURTON	NW	0.0178	0.0201	0.0190
WESTON_POINT	NW	0.0202	0.0246	0.0236
ABERDEEN	SC	0.0001	0.0001	0.0001

NTS Exit (Flat) Capacity Prices (p/kWh/day)				
Exit Point	DC/DN	2012/13		
		As-Is Prevailing Methodology (May 2010)	NG Proposed Methodology	All DC's @55% Obligation
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	0.0025
LAUDERHILL	SC	0.0144	0.0001	0.0001
LOCKERBIE	SC	0.0144	0.0026	0.0016
MOSSIDE	SC	0.0001	0.0001	0.0001
NETHER_HOWCLEUGH	SC	0.0147	0.0008	0.0001
PITCAIRNGREEN	SC	0.0039	0.0001	0.0001
SOUTRA	SC	0.0145	0.0006	0.0001
ST_FERGUS_OT	SC	0.0001	0.0001	0.0001
STRANRAER	SC	0.0154	0.0015	0.0004
FARNINGHAM	SE	0.0120	0.0119	0.0126
FARNINGHAM_B	SE	0.0120	0.0119	0.0126
SHORNE	SE	0.0110	0.0109	0.0116
TATSFIELD	SE	0.0137	0.0136	0.0143
WINKFIELD_SE	SE	0.0185	0.0202	0.0191
BRAISHFIELD_A	SO	0.0220	0.0237	0.0226
BRAISHFIELD_B	SO	0.0220	0.0237	0.0226
CRAWLEY_DOWN	SO	0.0202	0.0225	0.0214
HARDWICK	SO	0.0133	0.0149	0.0139
IPSDEN	SO	0.0165	0.0181	0.0171
IPSDEN_2	SO	0.0165	0.0181	0.0171
MAPPOWDER	SO	0.0170	0.0194	0.0275
WINKFIELD_SO	SO	0.0185	0.0202	0.0191
AYLESBEARE	SW	0.0192	0.0215	0.0299
CHOAKFORD	SW	0.0246	0.0269	0.0352
CIRENCESTER	SW	0.0086	0.0109	0.0193
COFFINSWELL	SW	0.0218	0.0242	0.0325
EASTON_GREY	SW	0.0091	0.0115	0.0198
EVESHAM	SW	0.0056	0.0080	0.0157
FIDDINGTON	SW	0.0044	0.0067	0.0150
ILCHESTER	SW	0.0149	0.0173	0.0256
KENN_SOUTH	SW	0.0203	0.0226	0.0309
LITTLETON_DREW	SW	0.0099	0.0123	0.0206
PUCKLECHURCH	SW	0.0108	0.0131	0.0215
ROSS_SW	SW	0.0016	0.0039	0.0123
SEABANK_LDZ	SW	0.0092	0.0150	0.0234
ALREWAS_WM	WM	0.0134	0.0158	0.0147
ASPLEY	WM	0.0164	0.0187	0.0177
AUDLEY_WM	WM	0.0180	0.0204	0.0193
AUSTREY	WM	0.0122	0.0145	0.0140
LEAMINGTON_SPA	WM	0.0082	0.0105	0.0131
LOWER_QUINTON	WM	0.0067	0.0091	0.0150
MILWICH	WM	0.0152	0.0175	0.0164
ROSS_WM	WM	0.0016	0.0039	0.0123
RUGBY	WM	0.0093	0.0116	0.0121

NTS Exit (Flat) Capacity Prices (p/kWh/day)		2012/13		
Exit Point	DC/DN	As-Is	NG Proposed	All DC's
		Prevailing Methodology (May 2010)	Methodology	@55% Obligation
SHUSTOKE	WM	0.0134	0.0157	0.0151
STRATFORD_UPON_AVON	WM	0.0068	0.0092	0.0145
MAELOR	WN	0.0207	0.0231	0.0220
DOWLAI	WS	0.0001	0.0001	0.0082
DYFFRYN_CLYDACH	WS	0.0001	0.0001	0.0058
GILWERN	WS	0.0001	0.0010	0.0093