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Market Operation

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1st September 2015

Dear Colleague,

Ad-Hoc Invitation to Participate in Auction of Quarterly System Entry Capacity

As a result of National Grid receiving a competent PARCA request in the Northern Triangle area an Ad-Hoc QSEC Auction will be opened. This QSEC provides a further opportunity for shippers to acquire entry capacity before National Grid assesses the impact of the PARCA capacity requirements.

Pursuant to Section B2.2.18 of the Transportation Principal Document (TPD) of the Uniform Network Code (UNC), National Grid Gas plc ("National Grid") in its role as holder of the Gas Transporter Licence in respect of the National Transmission System (NTS) (the "Licence") invites you to take part in an auction for Quarterly System Entry Capacity (QSEC). National Grid will conduct the QSEC auction on Business Days between **28th September and 9th October 2015**.

The auction is for Quarterly NTS Entry Capacity for the transaction period **1st October 2017 to 30th September 2032**. Users can make applications for each calendar quarter within this period.

The provisions of the UNC (including in particular, but not limited to, TPD Section B) shall apply to this invitation, and any bids made and rejected or accepted pursuant to such auction, and any subsequent allocation of QSEC. Words and expressions which are capitalised but not defined in this invitation but which are defined in the UNC shall have the meanings given to them in the UNC.

As specified in TPD Section B2.2.9(a) of the UNC, each bidding window in the QSEC auction will commence at 08:00 and close at 17:00 on each day specified below, subject to the stability measure being reached. A QSEC bid may be withdrawn or amended until but not after 17:00 on each day.

Auction Timing

In accordance with UNC TPD Section B2.2.18(b), National Grid will conduct the QSEC auction between 28th September 2015 and 9th October 2015 on the annual invitation dates listed below.

- **Monday 28th September**
- **Tuesday 29th September**
- **Wednesday 30th September**
- **Thursday 1st October**
- **Friday 2nd October**

- **Monday 5th October**
- **Tuesday 6th October**
- **Wednesday 7th October**
- **Thursday 8th October**
- **Friday 9th October**

In accordance with the provisions of the UNC (and, in particular, TPD Section B2.2.19), National Grid shall close the QSEC auction on the last date listed, or before if the stability measure is reached. The earliest this can occur is after Interim Bid Window 2 (IBW2) from 29th September 2015 onwards.

National Grid reserves the right (as far as allowed under UNC) to amend the auction timings and withdraw and re-issue the auction invitation. Furthermore, although unlikely, National Grid reserves the right to raise UNC Modifications, requesting urgency or otherwise.

Entry Capacity Regime

It is a User's responsibility to understand the NTS Entry Capacity regime, determine a strategy and bid accordingly. For further information on the regime and QSEC auctions please refer to Appendix 3 onwards.

Please refer to the Joint Office website (<http://www.gasgovernance.co.uk/eurodevts>) with regards to any outstanding modifications which may affect capacity during this transaction period.

NTS Entry Capacity Offered

In accordance with its obligation pursuant to UNC TPD Section B2.2, National Grid invites offers in respect of the Unsold NTS Entry Capacity, as shown in Appendix 2.

Information Provision

Information will be published by National Grid after each Interim Bid Window (IBW) on each Business Day the auction remains open, for each Aggregate System Entry Point (ASEP) and each relevant quarter. This can be found on Gemini report screens (Product>Publish Results>MoS Results>screens) and will be available by 8pm (as per UNC TPD Section B.2.14.1), and on the National Grid website as soon as practicable via <http://marketinformation.natgrid.co.uk/Gas/CapacityReports.aspx> by selecting the following criteria:

Auction Type:	Quarterly System Entry Capacity
Report Type:	Bid Window Results
From Month/Year:	Oct-17
To Month/Year:	Sep-32

The final allocation will be determined by application of the tests described in National Grid's current Entry Capacity Release Methodology Statement (ECR) and UNC TPD Section B2.6 (other than B2.6.7). The ECR statement is available on the National Grid website

<http://www2.nationalgrid.com/uk/Industry-information/Gas-capacity-methodologies/Entry-Capacity-Release-Methodology-Statement/>

National Grid will inform Users of their QSEC capacity allocation, in accordance with UNC TPD Section B.2.2.18(h), within Gemini no later than 10 Business days after the last annual invitation date and therefore, at the latest by 23rd October 2015. Allocation information will be published by National Grid within Gemini and also on the National Grid website in accordance with the UNC TPD Section B2.14.2 for each ASEP and each relevant period via <http://marketinformation.natgrid.co.uk/Gas/CapacityReports.aspx> by selecting the following criteria:

Auction Type:	Quarterly System Entry Capacity
Report Type:	Allocation Results
From Month/Year:	Oct-17
To Month/Year:	Sep-32

Prices

On 16th January 2015 National Grid issued the Statement of Gas Transmission Transportation Charges in which are detailed the incremental price steps that apply to the QSEC auction. Appendix D of the statement contains the Entry Capacity reserve prices together with the price steps for each level of incremental capacity for use in the QSEC auction, while Appendix E covers the estimated project values.

The statement can be found at <http://www.gasgovernance.co.uk/ntscharges/2015>. Entry Capacity reserve prices and price steps are included in Appendix 1 of this letter.

Other Information

National Grid's views on potential future demand for NTS Entry Capacity and its implications for the Gas National Transmission System are reflected by the supply scenarios described in its current Gas Ten Year Statement - <http://www2.nationalgrid.com/UK/Industry-information/Future-of-Energy/Gas-Ten-Year-Statement/>.

High level information on the key drivers behind the scenarios within the Ten Year Statement may be found in our [UK Future Energy Scenarios document](#).

National Grid's supply forecasts are built from information received from a combination of its Transporting Britain's Energy (TBE) consultation process and commercial sources. It is anticipated that long-term capacity (QSEC) auctions will provide a further source of information.

Please note that this invitation is being sent by e-mail via the Joint Office and by webfax (business hours operational list). The fax delivery notification audit report will be considered as evidence of receipt. An ANS message will also be issued informing users that the invitation has been issued. The invitation will also be posted on the National Grid website via <http://marketinformation.natgrid.co.uk/Gas/CapacityReports.aspx> and by selecting the following criteria:

Auction Type: Quarterly System Entry Capacity
Report Type: Invitation Letter
From/To Month/Year: Oct-17 to Sep-32

National Grid has put this document together with due care and in good faith. In the unlikely event of an error, National Grid reserves its right to correct the error and amend relevant elements of the auction as required.

If you have any queries with regards to entry capacity, the auction mechanism, Gemini or information provision then please do not hesitate to contact a member of our team on +44 (0)1926 65 4057. Alternatively you can e-mail the capacity team regarding any capacity issues at capacityauctions@nationalgrid.com.

The relevant information relating to this QSEC auction can be found in the following Appendices:

- **Appendix 1 Entry Capacity reserve prices and price steps**
- **Appendix 2 Unsold Obligated Capacity, by ASEP, by quarter**
- **Appendix 3 Useful sources relating to Entry Capacity Regime and QSEC auctions**
- **Appendix 4 List of Potential Advisors for bidding strategies/other commercial advice**

Yours faithfully,

Bradley Charles
Market Operation
National Grid

Appendix 1

Entry Capacity reserve prices and price steps

Pence/kWh/day

	Bacton UKCS	Barrow	Cheshire	Canonbie	Easington & Rough	Fleetwood	Garton	Isle of Grain	Milford Haven	St Fergus	Teesside	Theddlethorpe
P0	0.0089	0.0006	0.0001	0.0025	0.0122	0.0008	0.0122	0.0001	0.0216	0.0451	0.0082	0.0118
P1	0.0095	0.0012	0.0002	0.0026	0.0123	0.0009	0.0123	0.0002	0.0217	0.0469	0.0083	0.0120
P2	0.0096	0.0013	0.0015	0.0027	0.0124	0.0010	0.0124	0.0012	0.0218	0.0470	0.0093	0.0121
P3	0.0097	0.0014	0.0016	0.0028	0.0125	0.0011	0.0125	0.0013	0.0219	0.0471	0.0094	0.0122
P4	0.0099	0.0015	0.0020	0.0029	0.0126	0.0012	0.0126	0.0014	0.0220	0.0473	0.0095	0.0125
P5	0.0108	0.0016	0.0021	0.0030	0.0127	0.0013	0.0135	0.0015	0.0221	0.0481	0.0097	0.0126
P6	0.0109	0.0017	0.0044	0.0031	0.0136	0.0019	0.0136	0.0016	0.0222	0.0487	0.0098	0.0127
P7	0.0110	0.0018	0.0045	0.0035	0.0137	0.0020	0.0137	0.0017	0.0229	0.0488	0.0099	0.0128
P8	0.0111	0.0019	0.0051	0.0036	0.0138	0.0026	0.0138	0.0021	0.0230	0.0494	0.0103	0.0133
P9	0.0112	0.0020	0.0052	0.0037	0.0139	0.0027	0.0139	0.0024	0.0231	0.0495	0.0106	0.0134
P10	0.0122	0.0021	0.0053	0.0038	0.0140	0.0028	0.0140	0.0095	0.0232	0.0518	0.0107	0.0135
P11	0.0124	0.0022	0.0054	0.0039	0.0141	0.0029	0.0141	0.0096	0.0233	0.0520	0.0108	0.0136
P12	0.0134	0.0023	0.0055	0.0040	0.0150	0.0074	0.0142	0.0097	0.0234	0.0521	0.0117	0.0137
P13	0.0135	0.0024	0.0056	0.0041	0.0151	0.0075	0.0143	0.0098	0.0235	0.0522	0.0120	0.0138
P14	0.0142	0.0025	0.0057	0.0042	0.0152	0.0077	0.0144	0.0099	0.0236	0.0523	0.0121	0.0139
P15	0.0148	0.0026	0.0058	0.0043	0.0157	0.0078	0.0145	0.0100	0.0238	0.0524	0.0122	0.0140
P16	0.0153	0.0027	0.0059	0.0044	0.0158	0.0079	0.0146	0.0101	0.0243	0.0525	0.0123	0.0141
P17	0.0178	0.0038	0.0082	0.0045	0.0165	0.0080	0.0147	0.0102	0.0244	0.0526	0.0124	0.0142
P18	0.0181	0.0039	0.0083	0.0046	0.0166	0.0081	0.0148	0.0103	0.0245	0.0527	0.0130	0.0143
P19	0.0199	0.0040	0.0084	0.0047	0.0167	0.0082	0.0149	0.0104	0.0250	0.0528	0.0131	0.0144
P20	0.0200	0.0041	0.0086	0.0048	0.0168	0.0083	0.0150	0.0110	0.0251	0.0529	0.0132	0.0145
Obligated Level (GWh/d)	485.6	340.0	542.7	0	1407.15	650	420	699.68	950	1670.7	445.09	610.7

Pence/kWh/day

Hole House Farm		Hornsea		Partington		Avonmouth		Barton Stacey	
P0	0.0001	P0	0.0125	P0	0.0001	P0	0.0001	P0	0.0001
P1	0.0002	P1	0.0127	P1	0.0002	P1	0.0002	P1	0.0090
P2	0.0003	P2	0.0128	P2	0.0017	P2	0.0003	P2	0.0091
P3	0.0007	P3	0.0130	P3	0.0020	P3	0.0004	P3	0.0098
P4	0.0008	P4	0.0131	P4	0.0029	P4	0.0005	P4	0.0105
P5	0.0009	P5	0.0132	P5	0.0030	P5	0.0006	P5	0.0108
P6	0.0010	P6	0.0133	P6	0.0031	P6	0.0011	P6	0.0109
P7	0.0011	P7	0.0134	P7	0.0032				
P8	0.0012	P8	0.0135	P8	0.0033				
P9	0.0013								
P10	0.0024								
Obligated Level (GWh/d)	296.6		233.1		215		179.3		172.6

Pence/kWh/day

	Burton Point	Caythorpe	Dynevour Arms	Glenmavis	Hatfield Moor	Wytch Farm
P0	0.0001	0.0128	0.0078	0.0131	0.0036	0.0001
P1	0.0031	0.0129	0.0079	0.0169	0.0037	0.0002
P2	0.0032	0.0130	0.0080	0.0170	0.0038	0.0003
P3	0.0033	0.0131	0.0081	0.0171	0.0039	0.0004
P4	0.0034	0.0132	0.0083	0.0172	0.0040	0.0005
P5	0.0035	0.0133	0.0084	0.0173	0.0041	0.0006
Obligated Level (GWh/d)	73.5	90	49	99	25.3	3.3

Appendix 2
Entry Capacity Unsold Obligated Quantity Offered (kWh/day)

		01/10/2017	to	30/09/2018	
ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	162,015,000	-	382,599,622	382,599,622
Burton Point	BP	32,512,167	34,496,423	35,747,911	36,870,664
Barrow	BR	221,963,170	160,790,000	252,954,832	255,787,304
Barton Stacey	BS	65,340,000	65,340,000	65,340,000	65,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	-	-	-	-
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	222,435,379	-	1,006,935,852	1,014,335,852
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	-	-	-	-
Hole House Farm	HH	-	-	-	-
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	17,500,000	9,810,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	500,000	22,500,000	22,500,000
Isle of Grain	IG	13,580,000	13,580,000	125,280,000	125,280,000
Milford Haven	MH	-	-	147,000,000	147,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,048,526,386	1,058,296,512	1,458,473,167	1,472,873,167
Teesside	TE	249,433,927	276,289,004	290,730,407	291,491,007
Theddlethorpe	TH	525,701,330	533,830,000	535,530,000	536,430,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

		01/10/2018	to	30/09/2019	
ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	92,184,622	-	387,267,169	387,267,169
Burton Point	BP	50,293,022	50,880,318	51,511,117	52,163,667
Barrow	BR	234,930,935	168,390,000	262,274,669	257,027,588
Barton Stacey	BS	65,340,000	65,340,000	65,340,000	65,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	-	-	-	-
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	245,326,499	-	1,016,928,822	1,019,328,822
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	-	-	-	-
Hole House Farm	HH	-	-	-	-
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	75,600,000	9,810,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	500,000	22,500,000	22,500,000
Isle of Grain	IG	13,580,000	13,580,000	125,280,000	125,280,000
Milford Haven	MH	-	-	147,000,000	147,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,278,481,044	1,285,425,442	1,481,304,636	1,481,304,636
Teesside	TE	276,539,110	295,467,713	308,742,343	310,183,627
Theddlethorpe	TH	537,530,000	538,830,000	539,430,000	539,930,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2019

to

30/09/2020

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	100,542,169	-	392,316,439	392,316,439
Burton Point	BP	53,011,983	53,708,037	54,208,325	57,601,588
Barrow	BR	248,076,802	219,651,899	290,794,614	285,414,059
Barton Stacey	BS	65,340,000	65,340,000	65,340,000	65,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	-	-	-	-
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	255,536,273	-	1,065,984,927	1,067,284,927
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	-	-	-	-
Hole House Farm	HH	-	-	-	-
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	9,810,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	500,000	22,500,000	22,500,000
Isle of Grain	IG	13,580,000	13,580,000	125,280,000	125,280,000
Milford Haven	MH	-	-	47,000,000	47,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,380,361,633	1,384,855,872	1,481,855,872	1,481,855,872
Teesside	TE	309,789,059	321,718,168	320,653,662	323,928,301
Theddlethorpe	TH	540,430,000	540,830,000	541,330,000	541,730,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2020

to

30/09/2021

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	130,341,439	-	428,198,850	428,198,850
Burton Point	BP	57,775,602	57,993,118	59,124,206	61,147,113
Barrow	BR	288,552,884	11,706,235	296,267,465	292,081,507
Barton Stacey	BS	65,340,000	65,340,000	83,340,000	83,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	-	-	-	-
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	279,008,643	-	1,113,532,449	1,114,032,449
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	-	-	-	-
Hole House Farm	HH	-	-	-	-
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	9,810,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	500,000	22,500,000	22,500,000
Isle of Grain	IG	13,580,000	13,580,000	125,280,000	125,280,000
Milford Haven	MH	-	-	600,000,000	600,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,404,907,464	1,413,513,896	1,490,413,896	1,490,413,896
Teesside	TE	324,035,005	356,944,973	356,621,575	357,308,760
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2021

to

30/09/2022

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	153,533,850	-	429,957,847	429,957,847
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	293,164,746	15,750,070	298,566,557	295,016,680
Barton Stacey	BS	83,340,000	83,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	-	-	-	-
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	306,763,899	37,227,324	1,258,476,564	1,258,976,564
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	-	-	-	-
Hole House Farm	HH	-	-	-	-
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	9,810,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	500,000	22,500,000	22,500,000
Isle of Grain	IG	13,580,000	13,580,000	125,280,000	125,280,000
Milford Haven	MH	150,000,000	150,000,000	600,000,000	600,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,457,793,332	1,460,693,332	1,494,030,000	1,494,030,000
Teesside	TE	358,440,115	368,583,916	369,037,385	370,181,616
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2022

to

30/09/2023

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	154,932,847	-	436,756,257	436,756,257
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	295,855,854	26,270,209	305,031,889	304,451,602
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	-	-	-	-
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	298,933,787	32,076,443	1,262,197,457	1,262,197,457
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	-	-	238,000,000	238,000,000
Hole House Farm	HH	-	-	-	-
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	9,810,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	13,580,000	13,580,000	125,280,000	125,280,000
Milford Haven	MH	150,000,000	150,000,000	950,000,000	950,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,468,817,225	1,469,182,409	1,492,897,931	1,492,897,931
Teesside	TE	370,009,900	397,741,583	397,831,035	397,911,991
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2023

to

30/09/2024

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	161,731,257	-	437,040,000	437,040,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	304,487,938	26,316,280	305,058,529	304,497,009
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	-	-	-	-
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	418,741,854	287,780,441	1,265,241,854	1,265,741,854
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	238,000,000	238,000,000	378,000,000	378,000,000
Hole House Farm	HH	-	-	-	-
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	215,600,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	500,000	22,500,000	22,500,000
Isle of Grain	IG	13,580,000	13,580,000	185,280,000	185,280,000
Milford Haven	MH	180,500,000	150,000,000	950,000,000	950,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,474,228,504	1,479,460,573	1,499,381,442	1,499,381,442
Teesside	TE	397,988,649	398,063,545	399,358,131	399,467,972
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2024

to

30/09/2025

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	179,701,397	-	437,040,000	437,040,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	304,532,612	27,819,000	306,009,000	306,009,000
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	-	-	90,000,000	90,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	479,309,388	425,709,388	1,268,427,829	1,268,827,829
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	378,000,000	378,000,000	378,000,000	378,000,000
Hole House Farm	HH	-	-	-	-
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	215,600,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	500,000	22,500,000	22,500,000
Isle of Grain	IG	185,280,000	185,280,000	185,280,000	255,280,000
Milford Haven	MH	300,000,000	150,000,000	950,000,000	950,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,496,665,095	1,497,154,843	1,499,871,190	1,499,871,190
Teesside	TE	399,546,002	399,735,341	399,782,956	399,807,143
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2025

to

30/09/2026

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	161,731,258	161,731,258	437,040,000	437,040,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	306,009,000	27,819,000	306,009,000	306,009,000
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	90,000,000	90,000,000	90,000,000	90,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	542,173,239	541,284,351	1,271,468,795	1,271,468,795
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	378,000,000	378,000,000	378,000,000	378,000,000
Hole House Farm	HH	-	-	-	-
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	215,600,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	255,280,000	255,280,000	255,280,000	255,280,000
Milford Haven	MH	300,000,000	150,000,000	950,000,000	950,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,499,871,190	1,500,877,882	1,500,877,882	1,500,877,882
Teesside	TE	399,859,650	400,581,000	400,581,000	400,581,000
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2026

to

30/09/2027

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	306,009,000	306,009,000	306,009,000	306,009,000
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	90,000,000	90,000,000	90,000,000	90,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	666,350,000	665,461,111	1,280,350,000	1,280,350,000
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	378,000,000	378,000,000	378,000,000	378,000,000
Hole House Farm	HH	165,000,000	165,000,000	165,000,000	165,000,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	215,600,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	255,280,000	255,280,000	255,280,000	255,280,000
Milford Haven	MH	300,000,000	150,000,000	950,000,000	950,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000
Teesside	TE	400,581,000	400,581,000	400,581,000	400,581,000
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2027

to

30/09/2028

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	306,009,000	306,009,000	306,009,000	306,009,000
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	90,000,000	90,000,000	90,000,000	90,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	818,950,000	818,950,000	1,300,950,000	1,300,950,000
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	378,000,000	378,000,000	378,000,000	378,000,000
Hole House Farm	HH	165,000,000	165,000,000	165,000,000	165,000,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	215,600,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	255,280,000	255,280,000	255,280,000	255,280,000
Milford Haven	MH	950,000,000	150,000,000	950,000,000	950,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000
Teesside	TE	400,581,000	400,581,000	400,581,000	400,581,000
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2028

to

30/09/2029

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	306,009,000	306,009,000	306,009,000	306,009,000
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	90,000,000	90,000,000	90,000,000	90,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	1,300,950,000	1,300,950,000	1,300,950,000	1,300,950,000
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	378,000,000	378,000,000	378,000,000	378,000,000
Hole House Farm	HH	165,000,000	165,000,000	165,000,000	165,000,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	215,600,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	327,880,000	327,880,000	327,880,000	327,880,000
Milford Haven	MH	950,000,000	150,000,000	950,000,000	950,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000
Teesside	TE	400,581,000	400,581,000	400,581,000	400,581,000
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2029

to

30/09/2030

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	306,009,000	306,009,000	306,009,000	306,009,000
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	90,000,000	90,000,000	90,000,000	90,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	1,300,950,000	1,300,950,000	1,300,950,000	1,300,950,000
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	378,000,000	378,000,000	378,000,000	378,000,000
Hole House Farm	HH	283,440,000	283,440,000	283,440,000	283,440,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	215,600,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	677,880,000	677,880,000	677,880,000	677,880,000
Milford Haven	MH	950,000,000	300,000,000	950,000,000	950,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000
Teesside	TE	400,581,000	400,581,000	400,581,000	400,581,000
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2030

to

30/09/2031

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	306,009,000	306,009,000	306,009,000	306,009,000
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	90,000,000	90,000,000	90,000,000	90,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	1,300,950,000	1,300,950,000	1,300,950,000	1,300,950,000
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	378,000,000	378,000,000	378,000,000	378,000,000
Hole House Farm	HH	283,440,000	283,440,000	283,440,000	283,440,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	215,600,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	677,880,000	677,880,000	677,880,000	677,880,000
Milford Haven	MH	950,000,000	950,000,000	950,000,000	950,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000
Teesside	TE	400,581,000	400,581,000	400,581,000	400,581,000
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wytch Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

01/10/2031

to

30/09/2032

ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sep
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	306,009,000	306,009,000	306,009,000	306,009,000
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Canonbie	CB	-	-	-	-
Cheshire	CH	257,310,000	257,310,000	257,310,000	257,310,000
Caythorpe	CT	90,000,000	90,000,000	90,000,000	90,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	1,300,950,000	1,300,950,000	1,300,950,000	1,300,950,000
Fleetwood	FL	650,000,000	650,000,000	650,000,000	650,000,000
Glenmavis	GM	89,100,000	89,100,000	89,100,000	89,100,000
Garton	GR	378,000,000	378,000,000	378,000,000	378,000,000
Hole House Farm	HH	283,440,000	283,440,000	283,440,000	283,440,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	215,600,000	215,600,000	215,600,000	215,600,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	677,880,000	677,880,000	677,880,000	677,880,000
Milford Haven	MH	950,000,000	950,000,000	950,000,000	950,000,000
Partington	PR	193,500,000	193,500,000	193,500,000	193,500,000
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000
Teesside	TE	400,581,000	400,581,000	400,581,000	400,581,000
Theddlethorpe	TH	549,630,000	549,630,000	549,630,000	549,630,000
Wyth Farm	WF	2,970,000	2,970,000	2,970,000	2,970,000

Appendix 3

Useful Sources Relating to the Entry Capacity Regime and QSEC Auctions

- National Grid website for QSEC presentation material
<http://www2.nationalgrid.com/UK/Industry-information/Gas-transmission-system-operations/Capacity/Entry-capacity/>
- Joint Office website for UNC documentation and for Transmission Workstream meeting minutes
www.gasgovernance.co.uk
- Ofgem website for NTS Licence and NTS Licence amendments
www.ofgem.gov.uk
- Entry Capacity Substitution (ECS) Methodology Statement
<http://www2.nationalgrid.com/uk/Industry-information/System-charges/Gas-transmission/Charging-Statements/>
- Ten Year Statement
<http://www2.nationalgrid.com/UK/Industry-information/Future-of-Energy/Gas-Ten-Year-Statement/>
- UK Future Energy Scenarios Document (UKFES)
<http://www2.nationalgrid.com/uk/industry-information/future-of-energy/>

Appendix 4

Potential Advisors

We have asked potential advisors to contact us if they wish to have their details included in the QSEC invitation letter.

Below is a list of those advisors that have responded, listed in alphabetical order.

Please note that National Grid has not vetted any requests and that inclusion in the list does not imply they are recommended by National Grid or meet any relevant professional standard. Users should satisfy themselves of the expertise of any potential advisor before engaging them.

The list is as follows;

1. Calvert Consultancy Ltd in association with WatersWye Associates

Elaine Calvert	+44(0)7879 431479	elaine@calvertconsultancy.co.uk
Nick Wye	+44(0)1789 266811	nick@waterswye.co.uk

2. Pöyry Management Consulting

Andrew Morris	+44 (0)1865 812 212	andrew.morris@poyry.com
Angus Paxton	+44 (0)1865 812 263	angus.paxton@poyry.com
John Williams	+44 (0)1865 812 262	john.williams@poyry.com
Websites:		www.poyry.com/ www.illexenergy.com

3. TPA Solutions

Brian Withington MBE	+44 (0)1564 778523	brian@tpasolutions.co.uk
Sue Ellwood	+44 (0)1564 784725	sue@tpasolutions.co.uk
Website:		www.tpasolutions.co.uk

Potential advisors wishing to be included in future lists should contact the Capacity Auctions team at National Grid.