

NTS Capacity Team
Gas Transmission
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Monday 15th February 2021

Dear Colleague,

Annual Invitation to Participate in Auction of Quarterly System Entry Capacity

National Grid¹ invites you to take part in the 2021 annual Quarterly System Entry Capacity (QSEC) auction which will take place on Business Days from the **15th March 2021** to the **26th March 2021**.

The auction is for Quarterly Firm NTS Entry Capacity for the transaction period **1st October 2022** to the **30th September 2037**. Users can make applications for each calendar quarter within this period.

The provisions of the Uniform Network Code (UNC)² shall apply to this invitation, the 2021 auction for QSEC 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.

Please refer to the Joint Office of Gas Transporters website (<http://www.gasgovernance.co.uk/livemods>) with regards to any modification of the UNC which may affect capacity during the transaction period.

Each bidding window in the QSEC auction will commence at 08:00 and close at 17:00 on each day³ 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 A QSEC bid may be withdrawn or amended until but not after 17:00 on each day.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 Dates

National Grid will conduct the annual QSEC auction from the 15th March 2021 to the 26th March 2021 on the annual invitation dates listed below.

- **Monday 15th March**
- **Tuesday 16th March**
- **Wednesday 17th March**
- **Thursday 18th March**
- **Friday 19th March**

- **Monday 22nd March**
- **Tuesday 23rd March**
- **Wednesday 24th March**

¹ Pursuant to Section B 2.2.1(d) of the Uniform Network Code (UNC) Transportation Principal Document (TPD), 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").

² Including in particular, but not limited to, Section B of the UNC TPD.

³ As specified in Section B 2.2.9(a) of the UNC TPD.

- **Thursday 25th March**
- **Friday 26th March**

National Grid shall close the annual QSEC auction on the last date listed, or before if the stability measure is reached.⁴ The earliest this can occur is after Interim Bid Window 2 (IBW2) from 16th March 2021 onwards.

National Grid reserves the right 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.

As stated previously, please refer to the Joint Office of Gas Transporters website with regards to any outstanding modifications which may affect capacity during this transaction period via <http://www.gasgovernance.co.uk/livemods>.

Entry Capacity Retainers

In accordance with UNC TPD Section B2.15 and in particular the NTS Entry Capacity Substitution (ECS) Methodology Statement, National Grid opened the retainer window on 19th and 21st January 2021, for Shippers to participate and take out a retainer at Aggregated System Entry Points (ASEPs), where they wanted to exclude available Entry Capacity from being treated as Substitutable Capacity⁵ without having to buy it.

There were no retainers requested during the retainer windows on the dates above.

NTS Entry Capacity Offered

National Grid invites offers in respect of the Unsold NTS Entry Capacity⁶, as shown in Appendix 2.

Requests for Incremental Obligated Entry Capacity that cannot be met through substitution may be allocated as Non-Obligated Incremental Entry Capacity at the sole discretion of National Grid.

Entry Capacity Substitution

The NTS ECS Methodology Statement can be found via the following link:
<https://www.nationalgrid.com/uk/gas-transmission/capacity/capacity-methodology-statements>

The principle of NTS Entry Capacity Substitution may be applied to meet demand for Incremental Obligated Entry Capacity (IOEC) in the March 2021 QSEC auction. Entry Capacity Substitution means that where IOEC is required, this should first be met by reducing available obligated entry capacity at other ASEPs (the "donor" ASEPs) where capacity is unsold and not otherwise excluded from substitution, before undertaking investment in new infrastructure. The result of this is that, when the substitution obligation is applied, NTS Entry Capacity that is not booked can be moved to other ("recipient") ASEPs and will not be available as unsold obligated capacity at the original (donor) ASEP in future auctions. In addition to this, capacity that has been reserved under the Planning and Advanced Reserve of Capacity Agreement (PARCA) process will be excluded from substitution.

Whilst National Grid may be able to satisfy a request for capacity via the release of non-obligated capacity or via substitution the only way to guarantee release of incremental capacity is via the PARCA process.

⁴ In accordance with the provisions of the UNC and, in particular, TPD Section B2.2.17

⁵ As defined in the NTS ECS Methodology Statement.

⁶ In accordance with its obligation pursuant to UNC TPD Section B2.2.

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 20:00⁷, and on the National Grid website as soon as practicable via <http://mip-prd-web.azurewebsites.net/EntryCapacityAuctions/Index> by selecting the following criteria:

Auction Type: Quarterly System Entry Capacity
Report Type: Bid Window Results
From Month/Year: Oct-22
To Month/Year: Sept-37

National Grid will inform Users of their QSEC capacity allocation, in accordance with UNC TPD Section B.2.6.7, within Gemini no later than two calendar months after the last annual invitation date and therefore, at the latest by 26th May 2021. 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://mip-prd-web.azurewebsites.net/EntryCapacityAuctions/Index> by selecting the following criteria:

Auction Type: Quarterly System Entry Capacity
Report Type: Allocation Results
From Month/Year: Oct-22
To Month/Year: Sept-37

Reserve/Incremental Prices

In addition to UNC678A (“Amendments to Gas Transmission Charging Regime”) implemented 1st October 2020, in December 2020, Ofgem approved UNC727 for implementation from 1st October 2021 which will increase the storage discount applied from 50% to 80%.

More information about these modifications can be accessed via: <https://www.gasgovernance.co.uk/closedmods>

Additional modifications may also impact the payable prices and other aspects of the charging regime for the Gas Year starting 1st October 2021. Market participants should keep up to date and engage with live UNC changes and be aware of those with Ofgem for decision via the Joint Office of Gas Transporters (<http://www.gasgovernance.co.uk/livemods> and <http://gasgovernance.co.uk/index.php/withofgem>).

Please note that the charges included in this notice are calculated based on current methodology, and are in line with the UNC at the time of writing.

Entry Capacity reserve prices are included in Appendix 1 of this letter. For the purposes of capacity step prices used in the QSEC Auction, these will be an additional 5% of the applicable Reserve Price or 0.00001 p/kWh/d, whichever is the greatest. The number of steps applicable for each Entry Point is as per Appendix D of the Transportation Statement (see link in Appendix 1).

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 which can be found via: <https://www.nationalgridgas.com/insight-and-innovation/gas-ten-year-statement-gtys>

High level information on the key drivers behind the Future Energy Scenarios (FES) within the Ten Year Statement can be found via: <https://www.nationalgrid.com/uk/gas-transmission/insight-and-innovation/future-energy-scenarios-fes>

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

⁷ In accordance with UNC TPD Section B.2.14.1

Please note that this invitation is being sent by e-mail via the Energy Networks Association. An Active Notification System (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://mip-prd-web.azurewebsites.net/EntryCapacityAuctions/Index>

and by selecting the following criteria:

Auction Type: Quarterly System Entry Capacity
Report Type: Invitation Letter
From/To Month/Year: Oct-22 to Sept-37

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, amend and re-issue the letter as required.

If you have any queries with regards to entry capacity, the auction mechanism, the Gemini system, or information provision then please do not hesitate to contact a member of the NTS Capacity Team on +44 (0)1926 654057. Alternatively, you can e-mail us regarding any capacity issues at capacityauctions@nationalgrid.com.

The relevant information relating to this auction (QSEC 2021) can be found in the following Appendices:

- **Appendix 1** **Entry Capacity reserve prices (p/kWh/day)**
- **Appendix 2** **Entry Capacity Unsold Obligated Quantity Offered (kWh/day)**
- **Appendix 3** **Useful sources relating to the Entry Capacity Regime and QSEC auctions**
- **Appendix 4** **Potential Advisors for bidding strategies/other commercial advice**

Yours faithfully,

NTS Capacity Team
Gas Transmission
nationalgrid

Appendix 1

Entry Capacity reserve prices (p/kWh/day)

Please refer to Appendix D of the [Notice of Indicative Gas Transmission Transportation Charges](#) for the number of steps and the step size for each level of incremental Capacity applicable in the QSEC auction.

Entry Point	Type of Entry Point	NTS Entry (Firm) Capacity Auction Reserve Price (p/kWh/day)
Bacton	Beach Terminal	0.0594
Barrow	Beach Terminal	0.0594
Easington	Beach Terminal	0.0594
Isle of Grain	LNG Importation Terminal	0.0594
Milford Haven	LNG Importation Terminal	0.0594
St Fergus	Beach Terminal	0.0594
Teesside	Beach Terminal	0.0594
Theddlethorpe	Beach Terminal	0.0594
Burton Point	Onshore Field	0.0594
Canonbie	Onshore Field	0.0594
Hatfield Moor (onshore)	Onshore Field	0.0594
Wytch Farm	Onshore Field	0.0594
Barton Stacey	Storage Site	0.0119
Caythorpe	Storage Site	0.0119
Cheshire	Storage Site	0.0119
Dynevor Arms	Storage Site	0.0119
Fleetwood	Storage Site	0.0119
Garton	Storage Site	0.0119
Glenmavis	Storage Site	0.0119
Hatfield Moor (storage)	Storage Site	0.0119
Hole House Farm	Storage Site	0.0119
Hornsea	Storage Site	0.0119
Partington	Storage Site	0.0119
Avonmouth	Storage Site	0.0119
Murrow	Biomethane Plant	0.0594

Appendix 2

Entry Capacity Unsold Obligated Quantity Offered (kWh/day)

		01/10/2022	to	30/09/2023	
ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sept
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	295,855,854	246,460,209	305,031,889	304,451,602
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Bacton UKCS	BU	107,563,546	-	421,161,022	406,061,022
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	-	-	-	-
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	247,141,420	-	1,227,682,457	1,227,682,457
Fleetwood	FL	170,550,000	170,650,000	295,000,000	295,000,000
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	209,790,000	4,000,000	209,790,000	209,790,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	-	-	47,112,000	47,112,000
Milford Haven	MH	-	-	855,000,000	855,000,000
Murrow	MU	-	-	-	-
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250
St Fergus	SF	1,468,817,225	1,469,182,409	1,492,897,931	1,492,897,931
Teesside	TE	291,837,513	331,782,945	332,822,399	333,001,046
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 Sept
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000
Barrow	BR	304,487,938	246,506,280	305,058,529	304,497,009
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000
Bacton UKCS	BU	115,577,689	-	114,827,469	405,310,892
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	-	-	-	-
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	384,226,854	253,265,441	1,230,726,854	1,231,226,854
Fleetwood	FL	135,950,000	135,950,000	295,000,000	295,000,000
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	209,790,000	209,790,000	209,790,000	209,790,000
Hatfield Moor (Storage)	HT	22,500,000	500,000	22,500,000	22,500,000
Isle of Grain	IG	-	-	107,112,000	107,112,000
Milford Haven	MH	500,000	-	855,000,000	855,000,000
Murrow	MU	-	-	-	-
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250
St Fergus	SF	1,474,228,504	1,479,460,573	1,499,381,442	1,499,381,442
Teesside	TE	333,414,512	343,659,908	345,408,824	345,756,403
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 Sept		
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000		
Burton Point	BP	66,150,000	66,150,000	66,150,000	66,150,000		
Barrow	BR	304,532,612	306,009,000	306,009,000	306,009,000		
Barton Stacey	BS	155,340,000	155,340,000	155,340,000	155,340,000		
Bacton UKCS	BU	114,827,469	-	422,432,501	407,332,501		
Canonbie	CB	-	-	-	-		
Cheshire	CH	-	-	-	-		
Caythorpe	CT	-	-	81,000,000	81,000,000		
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000		
Easington	EA	444,794,388	391,194,388	1,233,912,829	1,234,312,829		
Fleetwood	FL	85,710,000	-	295,000,000	295,000,000		
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	209,790,000	209,790,000	209,790,000	209,790,000		
Hatfield Moor (Storage)	HT	22,500,000	500,000	22,500,000	22,500,000		
Isle of Grain	IG	137,112,000	137,112,000	107,112,000	207,112,000		
Milford Haven	MH	95,000,000	-	855,000,000	855,000,000		
Murrow	MU	-	-	-	-		
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250		
St Fergus	SF	1,496,665,095	1,497,154,843	1,499,871,190	1,499,871,190		
Teesside	TE	346,255,252	353,732,445	354,496,567	354,663,710		
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 Sept		
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000		
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		
Bacton UKCS	BU	131,456,667	131,456,667	437,040,000	437,040,000		
Canonbie	CB	-	-	-	-		
Cheshire	CH	-	-	-	-		
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000		
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000		
Easington	EA	507,658,239	506,769,351	1,236,953,795	1,236,953,795		
Fleetwood	FL	85,710,000	-	295,000,000	295,000,000		
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	209,790,000	209,790,000	209,790,000	209,790,000		
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000		
Isle of Grain	IG	207,112,000	207,112,000	207,112,000	207,112,000		
Milford Haven	MH	95,000,000	-	855,000,000	855,000,000		
Murrow	MU	-	-	-	-		
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250		
St Fergus	SF	1,499,871,190	1,500,877,882	1,500,877,882	1,500,877,882		
Teesside	TE	354,989,020	361,740,844	362,372,468	362,537,400		
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 Sept
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
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
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	631,835,000	630,946,111	1,245,835,000	1,245,835,000
Fleetwood	FL	85,710,000	-	295,000,000	295,000,000
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	148,500,000	148,500,000	148,500,000	148,500,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	207,112,000	207,112,000	207,112,000	207,112,000
Milford Haven	MH	95,000,000	-	855,000,000	855,000,000
Murrow	MU	-	-	-	-
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000
Teesside	TE	362,797,271	370,913,323	371,400,865	371,703,842
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 Sept
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
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
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	784,435,000	784,435,000	1,266,435,000	1,266,435,000
Fleetwood	FL	85,710,000	85,710,000	295,000,000	295,000,000
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	148,500,000	148,500,000	148,500,000	148,500,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	207,112,000	207,112,000	207,112,000	207,112,000
Milford Haven	MH	745,000,000	-	855,000,000	855,000,000
Murrow	MU	-	-	-	-
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000
Teesside	TE	372,942,474	378,556,559	378,556,559	378,556,559
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 Sept		
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000		
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		
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000		
Canonbie	CB	-	-	-	-		
Cheshire	CH	-	-	-	-		
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000		
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000		
Easington	EA	1,266,435,000	1,266,435,000	1,266,435,000	1,266,435,000		
Fleetwood	FL	85,710,000	85,710,000	295,000,000	295,000,000		
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	148,500,000	148,500,000	148,500,000	148,500,000		
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000		
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000		
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000		
Isle of Grain	IG	279,712,000	279,712,000	279,712,000	279,712,000		
Milford Haven	MH	745,000,000	-	855,000,000	855,000,000		
Murrow	MU	-	-	-	-		
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250		
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000		
Teesside	TE	378,556,559	380,378,599	380,378,599	380,378,599		
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 Sept		
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000		
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		
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000		
Canonbie	CB	-	-	-	-		
Cheshire	CH	-	-	-	-		
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000		
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000		
Easington	EA	1,266,435,000	1,266,435,000	1,266,435,000	1,266,435,000		
Fleetwood	FL	85,710,000	85,710,000	295,000,000	295,000,000		
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	266,940,000	266,940,000	266,940,000	266,940,000		
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000		
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000		
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000		
Isle of Grain	IG	629,712,000	629,712,000	629,712,000	629,712,000		
Milford Haven	MH	855,000,000	205,000,000	855,000,000	855,000,000		
Murrow	MU	-	-	-	-		
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250		
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000		
Teesside	TE	380,378,599	384,531,852	384,531,852	384,531,852		
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 Sept
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
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
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	1,266,435,000	1,266,435,000	1,266,435,000	1,266,435,000
Fleetwood	FL	85,710,000	85,710,000	295,000,000	295,000,000
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	266,940,000	266,940,000	266,940,000	266,940,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	629,712,000	629,712,000	629,712,000	629,712,000
Milford Haven	MH	855,000,000	855,000,000	855,000,000	855,000,000
Murrow	MU	-	-	-	-
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250
St Fergus	SF	1,503,630,000	1,503,630,000	1,503,630,000	1,503,630,000
Teesside	TE	384,531,852	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 Sept
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
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
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Canonbie	CB	-	-	-	-
Cheshire	CH	-	-	-	-
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	1,266,435,000	1,266,435,000	1,266,435,000	1,266,435,000
Fleetwood	FL	85,710,000	85,710,000	295,000,000	295,000,000
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	266,400,000	266,400,000	266,400,000	266,400,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	629,712,000	629,712,000	629,712,000	629,712,000
Milford Haven	MH	855,000,000	855,000,000	855,000,000	855,000,000
Murrow	MU	-	-	-	-
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250
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

		01/10/2032		to		30/09/2033	
ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sept		
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000		
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		
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000		
Canonbie	CB	-	-	-	-		
Cheshire	CH	-	-	-	-		
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000		
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000		
Easington	EA	1,266,435,000	1,266,435,000	1,266,435,000	1,266,435,000		
Fleetwood	FL	85,710,000	85,710,000	295,000,000	295,000,000		
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	266,940,000	266,940,000	266,940,000	266,940,000		
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000		
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000		
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000		
Isle of Grain	IG	629,676,000	629,676,000	629,676,000	629,676,000		
Milford Haven	MH	855,000,000	855,000,000	855,000,000	855,000,000		
Murrow	MU	-	-	-	-		
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250		
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		

		01/10/2033		to		30/09/2034	
ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sept		
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000		
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		
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000		
Canonbie	CB	-	-	-	-		
Cheshire	CH	25,440,750	25,440,750	25,440,750	25,440,750		
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000		
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000		
Easington	EA	1,266,435,000	1,266,435,000	1,266,435,000	1,266,435,000		
Fleetwood	FL	85,710,000	85,710,000	295,000,000	295,000,000		
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	266,940,000	266,940,000	266,940,000	266,940,000		
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000		
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000		
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000		
Isle of Grain	IG	629,676,000	629,676,000	629,676,000	629,676,000		
Milford Haven	MH	855,000,000	855,000,000	855,000,000	855,000,000		
Murrow	MU	-	-	-	-		
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250		
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		

		01/10/2034	to	30/09/2035	
ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sept
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
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
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Canonbie	CB	-	-	-	-
Cheshire	CH	500,640,750	500,640,750	500,640,750	500,640,750
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	1,266,435,000	1,266,435,000	1,266,435,000	1,266,435,000
Fleetwood	FL	315,000,000	315,000,000	315,000,000	315,000,000
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	266,940,000	266,940,000	266,940,000	266,940,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	629,676,000	629,676,000	629,676,000	629,676,000
Milford Haven	MH	855,000,000	855,000,000	855,000,000	855,000,000
Murrow	MU	-	-	-	-
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250
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

		01/10/2035	to	30/09/2036	
ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sept
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
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
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Canonbie	CB	-	-	-	-
Cheshire	CH	500,640,750	500,640,750	500,640,750	500,640,750
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	1,266,435,000	1,266,435,000	1,266,435,000	1,266,435,000
Fleetwood	FL	315,000,000	315,000,000	315,000,000	315,000,000
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	266,940,000	266,940,000	266,940,000	266,940,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	629,676,000	629,676,000	629,676,000	629,676,000
Milford Haven	MH	855,000,000	855,000,000	855,000,000	855,000,000
Murrow	MU	-	-	-	-
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250
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

		01/10/2036	to	30/09/2037	
ASEP		Oct to Dec	Jan to Mar	Apr to Jun	Jul to Sept
Avonmouth	AV	161,370,000	161,370,000	161,370,000	161,370,000
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
Bacton UKCS	BU	437,040,000	437,040,000	437,040,000	437,040,000
Canonbie	CB	-	-	-	-
Cheshire	CH	500,640,750	500,640,750	500,640,750	500,640,750
Caythorpe	CT	81,000,000	81,000,000	81,000,000	81,000,000
Dynevor Arms	DA	44,100,000	44,100,000	44,100,000	44,100,000
Easington	EA	1,266,435,000	1,266,435,000	1,266,435,000	1,266,435,000
Fleetwood	FL	315,000,000	315,000,000	315,000,000	315,000,000
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	266,940,000	266,940,000	266,940,000	266,940,000
Hatfield Moor (Onshore)	HM	270,000	270,000	270,000	270,000
Hornsea	HS	209,790,000	209,790,000	209,790,000	209,790,000
Hatfield Moor (Storage)	HT	22,500,000	22,500,000	22,500,000	22,500,000
Isle of Grain	IG	629,676,000	629,676,000	629,676,000	629,676,000
Milford Haven	MH	855,000,000	855,000,000	855,000,000	855,000,000
Murrow	MU	-	-	-	-
Partington	PR	181,289,250	181,289,250	181,289,250	181,289,250
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

Appendix 3

Useful Sources Relating to the Entry Capacity Regime and QSEC Auctions

- National Grid website for further capacity and QSEC information
<https://www.nationalgrid.com/uk/gas-transmission/capacity/entry-capacity>
- Joint Office of Gas Transporters 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 Release (ECR) Statement and Entry Capacity Substitution (ECS) Methodology Statement
<https://www.nationalgrid.com/uk/gas-transmission/capacity/capacity-methodology-statements>
- Ten Year Statement
<https://www.nationalgrid.com/uk/publications/gas-ten-year-statement-gtys>
- UK Future Energy Scenarios Document (UKFES)
<https://www.nationalgrid.com/uk/gas-transmission/insight-and-innovation/future-energy-scenarios-fes>

Appendix 4

Potential Advisors for bidding strategies/other commercial advice

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
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/
3. TPA Solutions
Brian Withington MBE +44 (0)7831241211 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 NTS Capacity Team at National Grid.