

# **Interconnector (UK) Limited**



**Charging Statement  
related to the  
IUK Access Agreement  
and  
IUK Access Code  
Issue 19  
Applicable from 01 July 2019**

1. Introduction .....	3
2. Reserve Prices for Capacity offered via PRISMA for use during the Gas Year 2018-19 .....	4
2.1 Standard Firm Capacity Products offered via PRISMA.....	4
2.1.1 Annual Firm Capacity offered in July 2018 .....	4
2.1.2 Quarterly Firm Capacity for Gas Year 2018-19 .....	4
2.2 Monthly Firm Capacity for Gas Year 2018-19 .....	4
2.3 Daily Firm Capacity for Gas Year 2018-19.....	5
2.4 Within Day Firm Capacity for Gas Year 2018-19.....	5
3. Reserve Prices for Capacity offered via PRISMA for use during the Gas Year 2019-20 and future Gas Years.....	5
3.1 Annual Firm Capacity offered in July 2019 .....	5
3.2 Quarterly Firm Capacity for Gas Year 2019-20 .....	5
3.3 Monthly Firm Capacity for Gas Year 2019-20 .....	6
3.4 Daily Firm Capacity for Gas Year 2019-20.....	6
3.5 Within Day Firm Capacity for Gas Year 2019-20.....	7
4. Prices for Capacity offered via Implicit Allocation for use during the Gas Year 2018-19 and future Gas Years.....	7
4.1 Annual Firm Capacity .....	7
4.2 Seasonal Firm Capacity .....	8
4.3 Quarterly Firm Capacity .....	8
4.4 Monthly Firm Capacity.....	8
4.5 Balance of Month Firm Capacity.....	9
5. Standard Interruptible Capacity Products.....	9
6. Commodity Charges .....	10
6.1 Commodity Charges for the Gas Year 2018-19.....	10
6.2 Commodity Charges for the Gas Year 2019-20.....	10
6.3 Exceptional Commodity Charge during Q1 and Q4 of any calendar year .....	11
7. Initial Registration Fee .....	11
8. Monthly Administration Fee .....	11
9. Maximum Buy-back Price.....	11
10. Forced Buy-back Price .....	12
11. Net OS Revenue Account .....	12
12. Balancing Charges .....	12
Appendix 1 – Indexation .....	13

1	Indexation Factor .....	13
2	Application .....	13
2.1	Contracted Capacity Price .....	13
2.2	Monthly Administration Fee (“MAF”).....	14
2.3	Maximum Buy-back Price premium (“MBPP”) .....	14
	Appendix 2 – Prices of Balance of Month Firm Capacity .....	15

## 1. Introduction

This statement sets out the charges that Interconnector (UK) Limited (“IUK”) will apply from the publication date for transportation services provided under an IUK Access Agreement (the “IAA”) and the IUK Access Code (“IAC”). The statement will be revised and reissued when appropriate. These charges are consistent with the principles outlined in IUK’s Charging Methodology.

Entry and Exit Capacity is made available for sale by means of auctions on the PRISMA platform in accordance with Commission Regulation (EU) 2017/459 (“CAM Code”). In addition, capacity may be made available via an Implicit Allocation Mechanism using an Implicit Allocation Partner according to the rules set out in Annex B-3 of the IAC.

For all capacity offered the factors determining the prices are:

- Competitive forces and the prices of competing and complementary services;
- Operating costs for operating and maintaining the company and its assets;
- Capital expenditures required to maintain the service;
- Projected customer demand for IUK capacity and the forecast volume of both long term and short term sales under a range of market scenarios; and
- A risk premium applied to the yearly standard capacity product reflecting the benefits of certainty regarding the level of the price. The level of the premium has been set to zero.

IUK’s reserve prices for allocation through an auction or prices for allocation through implicit allocation are fixed at the time of allocation. For products to be used in a future year, this fixed price will be subject to annual indexation<sup>1</sup>. Any auction premium will be used by IUK to contribute to maintaining and operating the pipeline.

IUK offers capacity in kWh/h and all capacity related charges are calculated as p/(kWh/h)/h. For capacity products offered on PRISMA, the runtime price is calculated using the number of hours in the relevant runtime. Capacity offered via an Implicit Allocation Mechanism (“IAM”) will be in p/(kWh/h)/h. Capacity charges will be calculated using the relevant p/(kWh/h)/h and the hours in the billing period. Invoiced amounts will be either in Pounds sterling to the nearest penny or Euros to the nearest euro cent.

The absolute level of the price multipliers caps to be applied relative to the prices for firm Annual Capacity are:

Monthly	3
Daily	6
Within Day	6

Further information on the charges that apply for transportation services under an IAA is set out in Section F of the IAC and IUK’s Charging Methodology. The definitions of terms used in this document can be found in the IAA.

---

<sup>1</sup> See IAC Section F paragraph 5.3. Indexation is based on RPI - “CHAW” Index numbers of consumer prices – “RPI All Items”.

Information about IUK and copies of the IAA, IAC and IUK's Charging Methodology can be found on the IUK website at [www.interconnector.com](http://www.interconnector.com).

## 2. Reserve Prices for Capacity offered via PRISMA for use during the Gas Year 2018-19

### 2.1 Standard Firm Capacity Products offered via PRISMA

#### 2.1.1 Annual Firm Capacity offered in July 2018

The prices that applied are as follows:

		2018-19	2019-20 to 2022-23	2023-24 to 2032-33
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.018767	0.017061	0.015355
	Zeebrugge Exit	0.018767	0.017061	0.015355
BE to UK	Zeebrugge Entry	0.018767	0.017061	0.015355
	Bacton Exit	0.018767	0.017061	0.015355

These prices are subject to indexation in accordance with Section F paragraph 5.3 of the IUK Access Code. See Appendix 1 for an example of how indexation is applied.

#### 2.1.2 Quarterly Firm Capacity for Gas Year 2018-19

The prices to apply are as follows:

		Jul 19 – Sep 19 Q3 2019
		p/(kWh/h)/h
UK to BE	Bacton Entry	0.025591
	Zeebrugge Exit	0.025591
BE to UK	Zeebrugge Entry	0.018767
	Bacton Exit	0.018767

The large price step in an auction is set at 5% of the applicable IUK reserve price published on the PRISMA platform.

### 2.2 Monthly Firm Capacity for Gas Year 2018-19

The prices to apply are as follows:

		Jun 19	Jul 19	Aug 19	Sep 19
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.034121	0.034121	0.034121	0.034121
	Zeebrugge Exit	0.034121	0.034121	0.034121	0.034121
BE to UK	Zeebrugge Entry	0.018767	0.018767	0.018767	0.018767
	Bacton Exit	0.018767	0.018767	0.018767	0.018767

IUK will notify any changes to the monthly firm capacity prices at least two weeks in advance of the relevant monthly auction.

## 2.3 Daily Firm Capacity for Gas Year 2018-19

The prices to apply are as follows:

		May 19	Jun 19	Jul 19	Aug 19	Sep 19
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.068243	0.068243	0.068243	0.068243	0.068243
	Zeebrugge Exit	0.068243	0.068243	0.068243	0.068243	0.068243
BE to UK	Zeebrugge Entry	0.037534	0.037534	0.037534	0.037534	0.037534
	Bacton Exit	0.037534	0.037534	0.037534	0.037534	0.037534

IUK will notify any changes to the daily firm capacity prices at least six hours in advance of the relevant daily auction.

## 2.4 Within Day Firm Capacity for Gas Year 2018-19

The prices to apply are as follows:

		May 19	Jun 19	Jul 19	Aug 19	Sep 19
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.068243	0.068243	0.068243	0.068243	0.068243
	Zeebrugge Exit	0.068243	0.068243	0.068243	0.068243	0.068243
BE to UK	Zeebrugge Entry	0.037534	0.037534	0.037534	0.037534	0.037534
	Bacton Exit	0.037534	0.037534	0.037534	0.037534	0.037534

IUK will notify any changes to the within day firm capacity prices at least one hour in advance of the relevant within-day auction.

## 3. Reserve Prices for Capacity offered via PRISMA for use during the Gas Year 2019-20 and future Gas Years

### 3.1 Annual Firm Capacity offered in July 2019

The prices to apply are as follows:

		2019-20	2020-21 to 2023-24	2024-25 to 2033-34
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.018767	0.017061	0.015355
	Zeebrugge Exit	0.018767	0.017061	0.015355
BE to UK	Zeebrugge Entry	0.018767	0.017061	0.015355
	Bacton Exit	0.018767	0.017061	0.015355

These prices are subject to indexation in accordance with Section F paragraph 5.3 of the IUK Access Code. See Appendix 1 for an example of how indexation is applied.

### 3.2 Quarterly Firm Capacity for Gas Year 2019-20

The prices to apply are as follows:

		Oct 19 – Dec 19 Q4 2019	Jan 20 – Mar 20 Q1 2020	Apr 20 – Jun 20 Q2 2020	Jul 20 – Sep 20 Q3 2020
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.018767	0.018767	0.025591	0.025591
	Zeebrugge Exit	0.018767	0.018767	0.025591	0.025591
BE to UK	Zeebrugge Entry	0.018767	0.025591	0.018767	0.018767
	Bacton Exit	0.018767	0.025591	0.018767	0.018767

The large price step in an auction is set at 5% of the applicable IUK reserve price published on the PRISMA platform.

### 3.3 Monthly Firm Capacity for Gas Year 2019-20

The prices to apply are as follows:

		Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.042652	0.018767	0.018767	0.018767	0.018767	0.018767
	Zeebrugge Exit	0.042652	0.018767	0.018767	0.018767	0.018767	0.018767
BE to UK	Zeebrugge Entry	0.018767	0.018767	0.025591	0.042652	0.042652	0.025591
	Bacton Exit	0.018767	0.018767	0.025591	0.042652	0.042652	0.025591

		Apr 20	May 20	Jun 20	Jul 20	Aug 20	Sep 20
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.042652	0.042652	0.042652	0.042652	0.042652	0.042652
	Zeebrugge Exit	0.042652	0.042652	0.042652	0.042652	0.042652	0.042652
BE to UK	Zeebrugge Entry	0.018767	0.018767	0.018767	0.018767	0.018767	0.018767
	Bacton Exit	0.018767	0.018767	0.018767	0.018767	0.018767	0.018767

IUK will notify any changes to the monthly firm capacity prices at least two weeks in advance of the relevant monthly auction.

### 3.4 Daily Firm Capacity for Gas Year 2019-20

The prices to apply are as follows:

		Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.068243	0.037534	0.037534	0.037534	0.037534	0.037534
	Zeebrugge Exit	0.068243	0.037534	0.037534	0.037534	0.037534	0.037534
BE to UK	Zeebrugge Entry	0.037534	0.037534	0.068243	0.068243	0.068243	0.068243
	Bacton Exit	0.037534	0.037534	0.068243	0.068243	0.068243	0.068243

		Apr 20	May 20	Jun 20	Jul 20	Aug 20	Sep 20
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.068243	0.068243	0.068243	0.068243	0.068243	0.068243
	Zeebrugge Exit	0.068243	0.068243	0.068243	0.068243	0.068243	0.068243
BE to UK	Zeebrugge Entry	0.037534	0.037534	0.037534	0.037534	0.037534	0.037534
	Bacton Exit	0.037534	0.037534	0.037534	0.037534	0.037534	0.037534

IUK will notify any changes to the daily firm capacity prices at least six hours in advance of the relevant daily auction.

### 3.5 Within Day Firm Capacity for Gas Year 2019-20

The prices to apply are as follows:

		Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.068243	0.037534	0.037534	0.037534	0.037534	0.037534
	Zeebrugge Exit	0.068243	0.037534	0.037534	0.037534	0.037534	0.037534
BE to UK	Zeebrugge Entry	0.037534	0.037534	0.068243	0.068243	0.068243	0.068243
	Bacton Exit	0.037534	0.037534	0.068243	0.068243	0.068243	0.068243

		Apr 20	May 20	Jun 20	Jul 20	Aug 20	Sep 20
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.068243	0.068243	0.068243	0.068243	0.068243	0.068243
	Zeebrugge Exit	0.068243	0.068243	0.068243	0.068243	0.068243	0.068243
BE to UK	Zeebrugge Entry	0.037534	0.037534	0.037534	0.037534	0.037534	0.037534
	Bacton Exit	0.037534	0.037534	0.037534	0.037534	0.037534	0.037534

IUK will notify any changes to the within day firm capacity prices at least one hour in advance of the relevant within day auction.

## 4. Prices for Capacity offered via Implicit Allocation for use during the Gas Year 2018-19 and future Gas Years

### 4.1 Annual Firm Capacity

Annual Firm Capacity may be offered for any of the following five Gas Years. The fixed prices to apply are as follows:

		2019-20	2020-21 to 2023-24
		p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.018767	0.017061
	Zeebrugge Exit	0.018767	0.017061
BE to UK	Zeebrugge Entry	0.018767	0.017061
	Bacton Exit	0.018767	0.017061

These prices are subject to indexation in accordance with Section F paragraph 5.3 of the IUK Access Code. See Appendix 1 for an example of how indexation is applied.



## 4.2 Seasonal Firm Capacity

Capacity may be offered for any two consecutive Quarters in the next three years. The fixed prices to apply are as follows:

		Oct 19 - Mar 20 Winter	Jan 20 - June 20 H1 2020	Apr 20 – Sep 20 Summer	Jul 20– Dec 20 H2 2020
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.018767	0.021326	0.023885	0.021326
	Zeebrugge Exit	0.018767	0.021326	0.023885	0.021326
BE to UK	Zeebrugge Entry	0.023885	0.021326	0.018767	0.021326
	Bacton Exit	0.023885	0.021326	0.018767	0.021326

		Oct 20 - Mar 21 Winter	Jan 21 - June 21 H1 2021	Apr 21 – Sep 21 Summer	Jul 21 – Dec 21 H2 2021
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.018767	0.021326	0.023885	0.021326
	Zeebrugge Exit	0.018767	0.021326	0.023885	0.021326
BE to UK	Zeebrugge Entry	0.023885	0.021326	0.018767	0.021326
	Bacton Exit	0.023885	0.021326	0.018767	0.021326

		Oct 21 – Mar 22 Winter	Jan 22 - Jun 22 H1 2022
		p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.018767	0.021326
	Zeebrugge Exit	0.018767	0.021326
BE to UK	Zeebrugge Entry	0.023885	0.021326
	Bacton Exit	0.023885	0.021326

These prices are subject to indexation in accordance with Section F paragraph 5.3 of the IUK Access Code. See Appendix 1 for an example of how indexation is applied.

## 4.3 Quarterly Firm Capacity

Capacity may be offered for any of the following four Quarters. The prices to apply are as follows:

		Oct 19 – Dec 19 Q4 2019	Jan 20 – Mar 20 Q1 2020	Apr 20 – Jun 20 Q2 2020	Jul 20 – Sep 20 Q3 2020
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.018767	0.018767	0.025591	0.025591
	Zeebrugge Exit	0.018767	0.018767	0.025591	0.025591
BE to UK	Zeebrugge Entry	0.018767	0.025591	0.018767	0.018767
	Bacton Exit	0.018767	0.025591	0.018767	0.018767

IUK has the right to change the quarterly firm capacity prices at least a week in advance of the relevant Implicit Allocation offering.

## 4.4 Monthly Firm Capacity

Capacity may be offered for any of the following three months. The prices to apply are as follows:

		Aug 19	Sep 19	Oct 19	Nov 19	Dec 19
		p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
UK to BE	Bacton Entry	0.034121	0.034121	0.042652	0.018767	0.018767
	Zeebrugge Exit	0.034121	0.034121	0.042652	0.018767	0.018767
BE to UK	Zeebrugge Entry	0.018767	0.018767	0.018767	0.018767	0.025591
	Bacton Exit	0.018767	0.018767	0.018767	0.018767	0.025591

IUK has the right to change the monthly firm capacity prices at least a day in advance of the relevant Implicit Allocation offering.

#### 4.5 Balance of Month Firm Capacity

Capacity may be offered two days in advance of the capacity start date for all remaining Gas Days within the current Month. The pricing will be based on a sliding scale between the relevant Monthly price and the relevant Daily price based on the number of days remaining in the month.

See Appendix 2 for the prices to be applied for the next three months.

Whilst IUK has the right to change the Balance of Month firm capacity prices at least a day in advance of the relevant Implicit Allocation offering, prices are fixed at the time of allocation.

## 5. Standard Interruptible Capacity Products

IUK will offer daily interruptible capacity if the corresponding daily standard firm capacity product was sold at an auction premium, was sold out, or was not offered. The daily interruptible capacity reserve prices will be at a 10% discount to the prevailing daily standard firm product reserve prices.

IUK may offer annual, quarterly, monthly and within day interruptible capacity if the corresponding standard firm capacity product was sold at an auction premium, was sold out, or was not offered. If offered, the interruptible capacity reserve prices will be at a 10% discount to the corresponding standard firm product of the same period.

The interruptible capacity discount has been set to 10% to the corresponding standard firm capacity product to signal that this capacity may be interrupted<sup>2</sup>.

<sup>2</sup> In last 10 years there have been very few interruptions to firm capacity rights as shown in the table below:

Year	Hours Lost	Hours in Year
2008/09	0	8,760
2009/10	0	8,760
2010/11	0	8,760
2011/12	0	8,784
2012/13	9	8,760
2013/14	0	8,760
2014/15	0	8,760
2015/16	20	8,784
2016/17	15	8,760
2017/18	11	8,759
<b>Total (10 years)</b>	55	87,647

Whilst this suggests a very low discount relative to standard firm products, in a situation when the corresponding standard firm capacity has all been sold out, given IUK is a single asset without access to a wider system, IUK's capacity is limited by its interconnection point technical capacity. There will therefore be a higher risk of interruption than suggested by looking at just historical hours lost. IUK has hence rounded the discount to 10%.

## 6. Commodity Charges

### 6.1 Commodity Charges for the Gas Year 2018-19

In accordance with Section F paragraph 9.3 of the IAC, IUK will invoice each IAA Shipper with a Monthly Commodity Charge which covers the cost of flowing gas taking into account shrinkage.

The commodity unit costs are calculated using the following formulae:

Commodity Unit Cost (Bacton) in p/kWh =  $0.0001024 * MA\ NBP$

Commodity Unit Cost (Zeebrugge) in p/kWh =  $0.0002252 * MA\ NBP + 0.0002423 * MA\ ENDEX * Fx$

Where:

- (i) MA NBP is the mean of the NBP bid and offer prices for the front month as published in ICIS Heren NBP Price Assessment in p/therm;
- (ii) MA ENDEX is the front month price taken from ICE ENDEX Belgian Power Baseload Futures in €/MWh;
- (iii) Fx is the 'ECB reference exchange rate, UK pound sterling/Euro, 2:15 (C.E.T)' as published for the relevant day by the European Central Bank at <http://sdw.ecb.europa.eu/>.

The commodity unit costs for the following month will be calculated and fixed two weeks before the monthly auction, using the most recently available data, and published on IUK's website [here](#).

IUK reserves the right to change the formulae parameters with a 28 day notice throughout the gas year in case of a significant over/under run between the actual costs vs. invoiced charges. Any changes to the formulae parameters will not affect commodity unit costs which have already been fixed and published on IUK's website.

### 6.2 Commodity Charges for the Gas Year 2019-20

In accordance with Section F paragraph 9.3 of the IAC, IUK will invoice each IAA Shipper with a Monthly Commodity Charge which covers the cost of flowing gas taking into account shrinkage.

The commodity unit costs are calculated using the following formulae:

Commodity Unit Cost (Bacton) in p/kWh =  $0.0001515 * ICE\ (M+1)\ NBP\ (p/th)$

Commodity Unit Cost (Zeebrugge) in p/kWh =  $0.0136486 + [ 0.0002525 * ICE\ (M+1)\ NBP\ (p/th) ]$

Where:

- (i) ICE (M+1) NBP means the monthly Natural Gas Index price listed for the ICE UK Natural Gas Futures Contract at the National Balancing Point.

The commodity unit costs for the following month will be calculated and fixed on the first trading day of the month preceding the month for which the commodity charge applies, and published on IUK's website [here](#).

### 6.3 Exceptional Commodity Charge during Q1 and Q4 of any calendar year <sup>3</sup>

For holders of Interruptible Capacity during Q1 and Q4 of any calendar year, the Commodity Charges will be supplemented by an exceptional charge in the event that IUK's electricity supplier for its Zeebrugge terminal calls for a demand response.

Specifically, upon receipt of such demand response notification for the next calendar day, IUK will notify the market via its website and via an Urgent Market Message (UMM), indicating the hours during which the demand response applies.

Such demand response hours are:

- (a) 3 consecutive hours;
- (b) with a possibility for a second activation of 3 consecutive hours on days for which:
  - (i) a brown-out has been announced for the Belgian market, or
  - (ii) the BELPEX day-ahead market has cleared above 2,000EUR/MWh for at least two non-consecutive hours).

For electricity consumed during the demand response hours IUK will incur costs at the negative imbalance tariff as published by the Belgian electricity transmission grid operator, Elia (<http://www.elia.be/en/grid-data/balancing/imbalance-prices>). IUK will allocate these costs as an exceptional charge to the holders of Interruptible Capacity pro-rated to the sum of their Entry Allocations at the Zeebrugge Entry Point on the affected Gas Day.

## 7. Initial Registration Fee

The Initial Registration Fee charged by IUK for any new IAA Shippers signing an IAA during the Gas Year 2018-19 is set to zero.

## 8. Monthly Administration Fee

The Monthly Administration Fee payable by each IAA Shipper under an IAA during the Gas Year 2018-19 is £516. The fee for future Gas Years will be calculated as set out in Appendix 1.

## 9. Maximum Buy-back Price

When IUK implements the Buy-back procedure as set out in the IAC Section C paragraph 3.1, it will accept offers from shippers subject to paying no more than the Maximum Buy-back Price. This is the aggregate price that IUK will pay for offered Entry Capacity and Exit Capacity and will be calculated as the weighted average price paid for that day's Entry Capacity and Exit Capacity plus a premium of 0.035233 p/(kWh/h)/h for Gas Year 2018-19. The premium for future Gas Years will be calculated as set out in Appendix 1.

---

<sup>3</sup> This will apply from 1 December 2018

## 10. Forced Buy-back Price

When IUK implements the Forced Buy-back procedure set out in the IAC Section C paragraph 3.2, it will pay an IAA Shipper for the reduction in Entry Capacity and Exit Capacity at the Forced Buy-back Price. This price shall be the price paid by the IAA Shipper for such capacity plus a premium equal to 5% of the weighted average price paid for all Entry Capacity and Exit Capacity for that day.

## 11. Net OS Revenue Account

IUK will keep track of the revenue from IAA Capacity sales that originated from oversubscription on a cumulative basis over the Gas Year, minus any payments made for Buy-back during that time. The net amount will be allowed to go negative up to a limit, the “**Maximum Deficit**”, of £100,000. At this level, if further Buy-back is required, IUK will implement the Forced Buy-back procedure.

At the end of the Gas Year, if the balance in the Net OS Revenue Account is positive, then 75% of this amount (the “**Net Revenue Share**”) will be distributed to all shippers based on their allocated flow over the year. If the balance in the Net OS Revenue Account is negative, the amount to be distributed shall be zero.

## 12. Balancing Charges

An IAA Shipper has an obligation to be in balance on an hourly basis such that its Intended Inputs equal its Intended Outputs. Intended Inputs and Intended Outputs take into account the IAA Shipper’s Confirmed Nomination Quantities for Entry and Exit and additionally any Acquiring or Disposing Trade Notifications.

Any differences that occur between allocated Inputs and Outputs (such differences only arise during exceptional circumstances), are allowed to accumulate from one day to the next without any penalty or recompense within an allowed cumulative tolerance (“**Allowed Tolerance**”) for each IAA Shipper of  $\pm 560,000$  kWh.

On any Gas Day on which the IAA Shipper’s accumulated imbalance exceeds the Allowed Tolerance, a Balancing Charge shall apply as detailed in the IAC Section E and Section F.

## Appendix 1 – Indexation

### 1 Indexation Factor

The following prices and fees are indexed using an Indexation Factor defined below:

- (a) The Contracted Capacity Price for Capacity Products that cover multiple Gas Years, in accordance with Section F paragraphs 5.1 to 5.3 of the IUK Access Code;
- (b) Monthly Administration Fee;
- (c) Maximum Buy-back Price premium.

“**Indexation Factor**” means for Gas Year Y the ratio of  $RPI_Y/RPI_{Y-1}$  where:

- (i) RPI means the “CHAW” Index numbers of consumer prices – “RPI All Items” as published by the Office for National Statistics in the monthly Consumer Price Inflation Reference Tables (or any successor to such Index published by such Office or any other department of HM Government) at [www.ons.gov.uk](http://www.ons.gov.uk);
- (ii)  $RPI_Y$  = the average value of the RPI for the twelve month period ending on 30 June immediately prior to the commencement of Gas Year Y;
- (iii)  $RPI_{Y-1}$  = average RPI for twelve months ending 30 June prior to the commencement of Gas Year Y-1;

The values of RPI are follows:

Base 1987=100														
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Avg	RPI <sub>Y</sub>
<b>2014-15</b>	256	257	257.6	257.7	257.1	257.5	255.4	256.7	257.1	258	258.5	258.9	<b>257.2917</b>	RPI <sub>15</sub>
<b>2015-16</b>	258.6	259.8	259.6	259.5	259.8	260.6	258.8	260	261.1	261.4	262.1	263.1	<b>260.3667</b>	RPI <sub>16</sub>
<b>2016-17</b>	263.4	264.4	264.9	264.8	265.5	267.1	265.5	268.4	269.3	270.6	271.7	272.3	<b>267.325</b>	RPI <sub>17</sub>
<b>2017-18</b>	272.9	274.7	275.1	275.3	275.8	278.1	276	278.1	278.3	279.7	280.7	281.5	<b>277.1833</b>	RPI <sub>18</sub>

The indexation factors are therefore as follows:

IF <sub>16</sub>	IF <sub>17</sub>	IF <sub>18</sub>
1.011951	1.026725	1.036878

### 2 Application

#### 2.1 Contracted Capacity Price

Example : calculation of the indexed Contracted Capacity Price in Gas Year 2018-19

Suppose Annual Capacity (Entry or Exit) was allocated in the auction in March 2016 with a Contracted Capacity Price (CCP<sub>16</sub>) of 0.018767 p/(kWh/h)/h, i.e. no IUK Auction Premium, with the Capacity Period starting on 1 October 2018:

The payable price for Gas Year 2018-19 is calculated as follows -

Gas Year		Calculation method	Payable Price p/(kWh/h)/h	
2016-17	CCP <sub>16</sub>	No indexation	0.018767	No capacity held
2017-18	CCP <sub>17</sub>	CCP <sub>17</sub> = CCP <sub>16</sub> × IF <sub>17</sub>	0.019269	No capacity held
2018-19	<b>CCP<sub>18</sub></b>	CCP <sub>18</sub> = CCP <sub>17</sub> × IF <sub>18</sub>	<b>0.019980</b>	Price applied to Contracted Capacity

## 2.2 Monthly Administration Fee (“MAF”)

The fee will be calculated as:

$$MAF_Y = MAF_{Y-1} * \text{Indexation Factor}$$

## 2.3 Maximum Buy-back Price premium (“MBPP”)

The premium will be calculated as:

$$MBBP_Y = MBBP_{Y-1} * \text{Indexation Factor (expressed in p/(kWh/h)/h)}$$

## Appendix 2 – Prices of Balance of Month Firm Capacity

The prices to apply for the next three months are as follows:

### July 2019

Booking Date	Capacity Start Date	Product Duration (days)	UK to BE		BE to UK	
			Bacton Entry	Zeebrugge Exit	Zeebrugge Entry	Bacton Exit
			p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
30/06/2019	Not Offered					
01/07/2019	03/07/2019	29	0.037534	0.037534	0.020643	0.020643
02/07/2019	04/07/2019	28	0.037534	0.037534	0.020643	0.020643
03/07/2019	05/07/2019	27	0.037534	0.037534	0.020643	0.020643
04/07/2019	06/07/2019	26	0.037534	0.037534	0.020643	0.020643
05/07/2019	08/07/2019	24	0.038535	0.038535	0.021194	0.021194
06/07/2019	Not Offered					
07/07/2019	Not Offered					
08/07/2019	10/07/2019	22	0.040536	0.040536	0.022295	0.022295
09/07/2019	11/07/2019	21	0.041809	0.041809	0.022995	0.022995
10/07/2019	12/07/2019	20	0.043233	0.043233	0.023778	0.023778
11/07/2019	13/07/2019	19	0.044785	0.044785	0.024632	0.024632
12/07/2019	15/07/2019	17	0.048180	0.048180	0.026499	0.026499
13/07/2019	Not Offered					
14/07/2019	Not Offered					
15/07/2019	17/07/2019	15	0.051810	0.051810	0.028496	0.028496
16/07/2019	18/07/2019	14	0.053655	0.053655	0.029510	0.029510
17/07/2019	19/07/2019	13	0.055489	0.055489	0.030519	0.030519
18/07/2019	20/07/2019	12	0.057289	0.057289	0.031509	0.031509
19/07/2019	22/07/2019	10	0.060695	0.060695	0.033382	0.033382
20/07/2019	Not Offered					
21/07/2019	Not Offered					
22/07/2019	24/07/2019	8	0.063687	0.063687	0.035028	0.035028
23/07/2019	25/07/2019	7	0.064971	0.064971	0.035734	0.035734
24/07/2019	26/07/2019	6	0.066082	0.066082	0.036345	0.036345
25/07/2019	27/07/2019	5	0.066997	0.066997	0.036848	0.036848
26/07/2019	29/07/2019	3	0.068243	0.068243	0.037534	0.037534
27/07/2019	Not Offered					
28/07/2019	Not Offered					
29/07/2019	31/07/2019	1	0.068243	0.068243	0.037534	0.037534
30/07/2019	Not Offered					
31/07/2019	Not Offered					



## August 2019

Booking Date	Capacity Start Date	Product Duration (days)	UK to BE		BE to UK	
			Bacton Entry	Zeebrugge Exit	Zeebrugge Entry	Bacton Exit
			p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
31/07/2019	02/08/2019	30	0.037534	0.037534	0.020643	0.020643
01/08/2019	03/08/2019	29	0.037534	0.037534	0.020643	0.020643
02/08/2019	05/08/2019	27	0.037534	0.037534	0.020643	0.020643
03/08/2019	Not Offered					
04/08/2019	Not Offered					
05/08/2019	07/08/2019	25	0.037534	0.037534	0.020643	0.020643
06/08/2019	08/08/2019	24	0.038535	0.038535	0.021194	0.021194
07/08/2019	09/08/2019	23	0.039437	0.039437	0.021690	0.021690
08/08/2019	10/08/2019	22	0.040536	0.040536	0.022295	0.022295
09/08/2019	12/08/2019	20	0.043233	0.043233	0.023778	0.023778
10/08/2019	Not Offered					
11/08/2019	Not Offered					
12/08/2019	14/08/2019	18	0.046442	0.046442	0.025543	0.025543
13/08/2019	15/08/2019	17	0.048180	0.048180	0.026499	0.026499
14/08/2019	16/08/2019	16	0.049977	0.049977	0.027488	0.027488
15/08/2019	17/08/2019	15	0.051810	0.051810	0.028496	0.028496
16/08/2019	19/08/2019	13	0.055489	0.055489	0.030519	0.030519
17/08/2019	Not Offered					
18/08/2019	Not Offered					
19/08/2019	21/08/2019	11	0.059032	0.059032	0.032468	0.032468
20/08/2019	22/08/2019	10	0.060695	0.060695	0.033382	0.033382
21/08/2019	23/08/2019	9	0.062254	0.062254	0.034240	0.034240
22/08/2019	24/08/2019	8	0.063687	0.063687	0.035028	0.035028
23/08/2019	27/08/2019	5	0.066997	0.066997	0.036848	0.036848
24/08/2019	Not Offered					
25/08/2019	Not Offered					
26/08/2019	Not Offered					
27/08/2019	29/08/2019	3	0.068243	0.068243	0.037534	0.037534
28/08/2019	30/08/2019	2	0.068243	0.068243	0.037534	0.037534
29/08/2019	31/08/2019	1	0.068243	0.068243	0.037534	0.037534
30/08/2019	Not Offered					
31/08/2019	Not Offered					

## September 2019

Booking Date	Capacity Start Date	Product Duration (days)	UK to BE		BE to UK	
			Bacton Entry	Zeebrugge Exit	Zeebrugge Entry	Bacton Exit
			p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h	p/(kWh/h)/h
31/08/2019	Not Offered					
01/09/2019	Not Offered					
02/09/2019	04/09/2019	27	0.037534	0.037534	0.020643	0.020643
03/09/2019	05/09/2019	26	0.037534	0.037534	0.020643	0.020643
04/09/2019	06/09/2019	25	0.037534	0.037534	0.020643	0.020643
05/09/2019	07/09/2019	24	0.037534	0.037534	0.020643	0.020643
06/09/2019	09/09/2019	22	0.039590	0.039590	0.021775	0.021775
07/09/2019	Not Offered					
08/09/2019	Not Offered					
09/09/2019	11/09/2019	20	0.042137	0.042137	0.023175	0.023175
10/09/2019	12/09/2019	19	0.043659	0.043659	0.024012	0.024012
11/09/2019	13/09/2019	18	0.045313	0.045313	0.024922	0.024922
12/09/2019	14/09/2019	17	0.047072	0.047072	0.025889	0.025889
13/09/2019	16/09/2019	15	0.050801	0.050801	0.027941	0.027941
14/09/2019	Not Offered					
15/09/2019	Not Offered					
16/09/2019	18/09/2019	13	0.054638	0.054638	0.030051	0.030051
17/09/2019	19/09/2019	12	0.056532	0.056532	0.031093	0.031093
18/09/2019	20/09/2019	11	0.058375	0.058375	0.032106	0.032106
19/09/2019	21/09/2019	10	0.060140	0.060140	0.033077	0.033077
20/09/2019	23/09/2019	8	0.063333	0.063333	0.034833	0.034833
21/09/2019	Not Offered					
22/09/2019	Not Offered					
23/09/2019	25/09/2019	6	0.065904	0.065904	0.036247	0.036247
24/09/2019	26/09/2019	5	0.066891	0.066891	0.036790	0.036790
25/09/2019	27/09/2019	4	0.067644	0.067644	0.037204	0.037204
26/09/2019	28/09/2019	3	0.068243	0.068243	0.037534	0.037534
27/09/2019	30/09/2019	1	0.068243	0.068243	0.037534	0.037534
28/09/2019	Not Offered					
29/09/2019	Not Offered					
30/09/2019	Not Offered					