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\*calls will be recorded and may be monitored

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Dear Chris,

Notice of Final NTS Exit (Flat) Capacity Charges effective from 1 October 2017

Indicative NTS Exit (Flat) Capacity Charges for the 2017 Annual Application Window for Enduring Annual NTS Exit (Flat) Capacity

This notice is issued in line with National Grid Gas ("National Grid") Transporters Licence in respect of the NTS and our obligations contained in the Uniform Network Code in relation to changes to transportation charges and to the annual application for Enduring Annual NTS Exit (Flat) Capacity. Contained in this notice are:

- i. Final NTS Exit (Flat) Capacity Charges applying from 1 October 2017.
- ii. Updated indicative NTS Exit (Flat) Capacity Charges for Annual NTS Exit (Flat) Capacity for Gas Years 2018/19 and 2019/20.
- iii. Initial Indicative NTS Exit (Flat) Capacity Charges for Gas Year 2020/21 published ahead of the 2017 Annual Application for Enduring Annual NTS Exit (Flat) Capacity which will form shippers' user commitment to NTS Exit Capacity requested in July 2017.
- iv. NTS Exit Capacity charges relating to Interconnection Points (IPs)

The charges have been calculated in accordance with the Gas Transmission Charging Methodology (UNC Section Y). They have been set using National Grid's Transportation Model, based on the expansion constants shown in Table 1; updated information on the target revenue recoverable through Exit charges; the transmission network; and the demands and supplies contained in the Gas Ten Year Statement 2016<sup>1</sup>.

http://www2.nationalgrid.com/UK/Industry-information/Future-of-Energy/Gas-Ten-Year-Statement/

Table 1: Expansion Constant<sup>2</sup>

Gas Year	Expansion Constant (£/GWhkm)
2017/18	2918
2018/19	2994
2019/20	3092
2020/21	3197

#### 1. Final NTS Exit (Flat) Capacity Charges for 1 October 2017

NTS Exit (Flat) Capacity charges are normally updated once a year in October. This section of this notice gives details of NTS Exit (Flat) Capacity charges effective from 1 October 2017.

The Transportation Model for gas year 2017/18 (1 October 2017 to 30 September 2018) has been updated to reflect changes in supply, demand, the network, target revenue (see Table 2), and baseline Exit Capacity. Whilst each of these parameters affects charges, this note summarises the main changes that have driven the charges for 2017/18 compared to 2016/17.

## 1.1 Changes from Current Charges

NTS Exit (Flat) Capacity charges effective from 1 October 2017, for each NTS Offtake, are shown in Appendix 1 to this notice (Column A). Compared to current charges, all Exit Capacity charges have decreased. Exit Capacity charges are set annually from 1 October, with charges set such that they aim to recover the TO allowed revenue within the formula year therefore essentially being set for 12 months to recover 6 months revenue (Oct-Mar). Even though the TO allowed revenue has increased for 2017/18 (£849m) from 2016/17 formula year (£800m) the timing of setting of the Exit Capacity charges means the change in the target revenue for setting October 2017 charges is lower than the difference in the allowed revenues ie Exit target revenue decreased by £74m whilst the overall TO MAR increases by £49m, see Table 2. The change in target revenue has decreased the charges by 0.0029 p/kWh/day subject to minimum rates. Further information on these changes can be found in our Charge Setting Report <sup>3</sup>.

In addition to these non-locational effects, NTS Exit Capacity charges in the South East have decreased due to the supply and demand changes. Forecast peak demands have risen hence supply is increased to match demand within our model. These changes decrease charges in the locality of the South East (near Isle of Grain LNG) as the demands are met by local supplies meaning that less of the NTS is utilised hence decreasing the charge.

On average the Exit Capacity charges have decreased by 0.0026 p/kWh/day.

#### 1.2 TO Exit Commodity Charge

NTS Exit (Flat) Capacity for 2017/18 has not been booked up to the baseline. Therefore, to ensure the correct total revenue recovery from Exit shippers, the TO Exit Commodity charge continues apply from 1 October 2017. For further details on this charge please see our Indicative Notice of Changes to Commodity Charges which has also been published on 27 April

<sup>&</sup>lt;sup>2</sup> Expansion constants for calculating exit capacity prices are fixed once set for each Gas Year

Quarterly Charge setting Report Indicative October 2017 charges will be made available shortly at: http://www2.nationalgrid.com/UK/Industry-information/System-charges/Gas-transmission/Tools-and-Models/

2017. The Final TO Exit Commodity charge will be confirmed at the end of July when additional information from the July 2017 Application Window is available.

### 2. Indicative Exit Capacity Charges for 2018/19 to 2020/21

National Grid's new RIIO-T1 price control took effect from 1 April 2013. Indicative NTS Exit (Flat) Capacity charges for the period 2018/19 to 2020/21 have been prepared based on the allowances in the Licence introduced under RIIO-T1. However, since not all the income streams are known with certainty ahead of time, for example, inflation, incentive performance and cost-pass through adjustments, there is a degree of uncertainty in the allowed revenue and therefore also charges.

### 2.1 NTS Exit Capacity Target Revenues

Indicative NTS Exit (Flat) Capacity charges for the years 2018/19 to 2020/21 for each NTS Offtake are shown in Appendix 1 (see columns B, C and D respectively). Forecast allowed TO Exit revenues are the main effect driving changes to Indicative NTS Exit (Flat) Capacity charges from 2017/18 onwards. Table 2 shows our forecasts for TO Exit target revenues.

NGG	2016/17	2017/18	2018/19	2019/20	2020/21
Transmission Owner (TO)	£m	£m	£m	£m	£m
Revenue to be collected via Exit charges	360.1	395.2	338.6	437.5	428.5
Collection in first half of the year	144.32	216.4	178.8	159.8	277.7
Collection required in second half of the year <sup>4</sup>	215.7	178.8	159.8	277.7	150.8
Annual figure for charge setting <sup>5</sup>	431.54	357.6	319.7	555.3	301.6

**Table 2: TO Exit Target Allowed Revenues** 

The change in charges at most Exit points follow movements of modelled revenue forecasts. The variation between years is mainly due to the timing differences between financial and 'gas' (October to September) years which is used to set NTS Exit Capacity charges and this effect has previously been discussed at the NTS Charging Methodology Forum (NTSCMF)<sup>6</sup>. There are additional uncertainties around future forecasts of supplies and demand which have resulted in some changes to the charges over the 3 years of Indicative charges.

# 2.2 NTS Exit Capacity charges relating to Interconnection Points (IPs)

Under the changes introduced under Capacity Allocation Mechanism (CAM) effective from 1 November 2015, Interconnection Points (IPs) have different capacity auction products, structures and timings. However, the Reserve Prices for the auctions are calculated using the same methodology as the Entry and Exit Capacity charges for non-IPs as described above.

The final and indicative IP Exit prices for Capacity from 1 October 2017 are detailed in Appendix 2 of this document. For further details on these charges please see our Notice of

<sup>&</sup>lt;sup>4</sup> As the Exit Capacity charges are set for a year from 1 October, the revenue collected in the second half of the financial year will be equal to the revenue collected in the first half of the next year.

<sup>&</sup>lt;sup>5</sup> Revenue to be used in the Transportation Model which is equal to two times the forecast revenue required in the second half of the year.

http://www.nationalgrid.com/uk/Gas/Charges/TCMF/2008

NTS Annual Quarterly (Entry and Exit) Interconnection Point (IP) Reserve Prices which has also been published on 27 April 2017<sup>7</sup>.

### **Tools and Supporting Information**

Further information on revenue forecasts can be found in National Grid's Quarterly Charging report available on our website at <a href="http://www2.nationalgrid.com/UK/Industry-information/System-charges/Gas-transmission/Tools-and-Models/">http://www2.nationalgrid.com/UK/Industry-information/System-charges/Gas-transmission/Tools-and-Models/</a>

The Transportation Model used to create the 2017/18 to 2020/21 charges will be sent out to registered users. This allows the customers to familiarise themselves with how potential variations of inputs to the model may affect actual charges. For further information on how to receive the Transportation Model please refer to: <a href="http://www2.nationalgrid.com/UK/Industry-information/System-charges/Gas-transmission/Tools-and-Models/">http://www2.nationalgrid.com/UK/Industry-information/System-charges/Gas-transmission/Tools-and-Models/</a>

If you have any questions about this notice, or require any further explanation of the charges or the charging methodology used to determine these, please contact Karin Elmhirst on 01926 655540.

Yours sincerely

Jenny Phillips
Gas Charging & Capacity Development Manager

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<sup>&</sup>lt;sup>7</sup> Notice of NTS Annual Quarterly (Entry and Exit) Interconnection Point (IP) Reserve Prices can be found at <a href="http://www.gasgovernance.co.uk/ntscharges/2017">http://www.gasgovernance.co.uk/ntscharges/2017</a>

**Appendix 1: NTS Exit Capacity Charges for July 2017 Application Window** 

	Type of Offtake	Exit Capacity Charge (p/kWh/day) in relevant Gas Year			
			<u> </u>		
Offtake Point		2017/18 (A) Final	2018/19 (B) Indicative	2019/20 (C) Indicative	2020/21 (D) Indicative
Bacton	GDN (EA)	0.0001	0.0001	0.0033	0.0001
Brisley	GDN (EA)	0.0008	0.0001	0.0069	0.0001
Cambridge	GDN (EA)	0.0083	0.0060	0.0148	0.0047
Great Wilbraham	GDN (EA)	0.0071	0.0048	0.0136	0.0035
Matching Green	GDN (EA)	0.0120	0.0098	0.0188	0.0088
Peterborough Eye (Tee)	GDN (EA)	0.0071	0.0048	0.0136	0.0035
Roudham Heath	GDN (EA)	0.0027	0.0003	0.0089	0.0001
Royston	GDN (EA)	0.0093	0.0071	0.0159	0.0059
Whitwell	GDN (EA)	0.0116	0.0094	0.0184	0.0084
West Winch	GDN (EA)	0.0036	0.0012	0.0099	0.0001
Yelverton	GDN (EA)	0.0001	0.0001	0.0062	0.0001
Alrewas (EM)	GDN (EM)	0.0173	0.0152	0.0244	0.0146
Blaby	GDN (EM)	0.0131	0.0109	0.0199	0.0100
Blyborough	GDN (EM)	0.0035	0.0011	0.0098	0.0001
Caldecott	GDN (EM)	0.0103	0.0081	0.0170	0.0070
Thornton Curtis (DN)	GDN (EM)	0.0001	0.0001	0.0034	0.0001
Drointon	GDN (EM)	0.0186	0.0166	0.0258	0.0161
Gosberton	GDN (EM)	0.0048	0.0024	0.0111	0.0009
Kirkstead	GDN (EM)	0.0023	0.0001	0.0086	0.0001
Market Harborough	GDN (EM)	0.0116	0.0095	0.0184	0.0084
Silk Willoughby	GDN (EM)	0.0038	0.0014	0.0101	0.0001
Sutton Bridge	GDN (EM)	0.0057	0.0033	0.0121	0.0019
Tur Langton	GDN (EM)	0.0118	0.0096	0.0186	0.0086
Walesby	GDN (EM)	0.0001	0.0001	0.0055	0.0001
Asselby	GDN (NE)	0.0014	0.0001	0.0075	0.0001
Baldersby	GDN (NE)	0.0031	0.0052	0.0094	0.0001
Burley Bank	GDN (NE)	0.0055	0.0042	0.0119	0.0017

	Type of Offtake	Exit Capacity	Exit Capacity Charge (p/kWh/day) in relevant Gas Yea				
Offtake Point		2017/18 (A) Final	2018/19 (B) Indicative	2019/20 (C) Indicative	2020/21 (D) Indicative		
Ganstead	GDN (NE)	0.0001	0.0001	0.0030	0.0001		
Pannal	GDN (NE)	0.0060	0.0037	0.0125	0.0023		
Paull	GDN (NE)	0.0001	0.0001	0.0022	0.0001		
Pickering	GDN (NE)	0.0027	0.0003	0.0089	0.0001		
Rawcliffe	GDN (NE)	0.0016	0.0001	0.0078	0.0001		
Towton	GDN (NE)	0.0040	0.0016	0.0103	0.0001		
Bishop Auckland	GDN (NO)	0.0008	0.0045	0.0069	0.0001		
Coldstream	GDN (NO)	0.0001	0.0001	0.0018	0.0001		
Corbridge	GDN (NO)	0.0015	0.0001	0.0076	0.0001		
Cowpen Bewley	GDN (NO)	0.0001	0.0021	0.0044	0.0001		
Elton	GDN (NO)	0.0001	0.0035	0.0059	0.0001		
Guyzance	GDN (NO)	0.0001	0.0001	0.0045	0.0001		
Humbleton	GDN (NO)	0.0001	0.0001	0.0011	0.0001		
Keld	GDN (NO)	0.0095	0.0072	0.0161	0.0060		
Little Burdon	GDN (NO)	0.0003	0.0040	0.0064	0.0001		
Melkinthorpe	GDN (NO)	0.0086	0.0063	0.0151	0.0050		
Saltwick Pressure Controlled	GDN (NO)	0.0001	0.0001	0.0060	0.0001		
Saltwick Volumetric Controlled	GDN (NO)	0.0001	0.0001	0.0060	0.0001		
Thrintoft	GDN (NO)	0.0023	0.0061	0.0085	0.0001		
Towlaw	GDN (NO)	0.0031	0.0069	0.0094	0.0001		
Wetheral	GDN (NO)	0.0056	0.0032	0.0120	0.0018		
Horndon	GDN (NT)	0.0125	0.0104	0.0194	0.0094		
Luxborough Lane	GDN (NT)	0.0128	0.0106	0.0196	0.0097		
Peters Green	GDN (NT)	0.0121	0.0099	0.0189	0.0090		
Peters Green South Mimms	GDN (NT)	0.0121	0.0099	0.0189	0.0090		
Winkfield (NT)	GDN (NT)	0.0224	0.0205	0.0298	0.0202		
Audley (NW)	GDN (NW)	0.0228	0.0209	0.0302	0.0207		
Blackrod	GDN (NW)	0.0194	0.0174	0.0266	0.0169		

Type of Offtake Exit Capacity Charge (p/kWh/day) in relevant Gas Y					nt Gas Year
Offtake Point		2017/18 (A) Final	2018/19 (B) Indicative	2019/20 (C) Indicative	2020/21 (D) Indicative
Ecclestone	GDN (NW)	0.0267	0.0249	0.0343	0.0249
Holmes Chapel	GDN (NW)	0.0243	0.0224	0.0318	0.0223
Lupton	GDN (NW)	0.0125	0.0103	0.0193	0.0094
Malpas	GDN (NW)	0.0251	0.0232	0.0326	0.0231
Mickle Trafford	GDN (NW)	0.0265	0.0247	0.0342	0.0247
Partington	GDN (NW)	0.0228	0.0209	0.0302	0.0206
Samlesbury	GDN (NW)	0.0177	0.0157	0.0248	0.0151
Warburton	GDN (NW)	0.0225	0.0206	0.0299	0.0203
Weston Point	GDN (NW)	0.0276	0.0259	0.0354	0.0260
Aberdeen	GDN (SC)	0.0001	0.0001	0.0001	0.0001
Armadale	GDN (SC)	0.0001	0.0001	0.0001	0.0001
Balgray	GDN (SC)	0.0001	0.0001	0.0001	0.0001
Bathgate	GDN (SC)	0.0001	0.0001	0.0001	0.0001
Burnervie	GDN (SC)	0.0001	0.0001	0.0001	0.0001
Broxburn	GDN (SC)	0.0001	0.0001	0.0007	0.0001
Careston	GDN (SC)	0.0001	0.0001	0.0001	0.0001
Drum	GDN (SC)	0.0001	0.0001	0.0001	0.0001
St Fergus	GDN (SC)	0.0001	0.0001	0.0001	0.0001
Glenmavis	GDN (SC)	0.0001	0.0001	0.0004	0.0001
Hume	GDN (SC)	0.0001	0.0001	0.0030	0.0001
Kinknockie	GDN (SC)	0.0001	0.0001	0.0001	0.0001
Langholm	GDN (SC)	0.0027	0.0003	0.0089	0.0001
Lauderhill	GDN (SC)	0.0001	0.0001	0.0044	0.0001
Lockerbie	GDN (SC)	0.0016	0.0001	0.0077	0.0001
Netherhowcleugh	GDN (SC)	0.0001	0.0001	0.0054	0.0001
Pitcairngreen	GDN (SC)	0.0001	0.0001	0.0001	0.0001
Soutra	GDN (SC)	0.0001	0.0001	0.0051	0.0001
Stranraer	GDN (SC)	0.0003	0.0001	0.0063	0.0001

	Type of Offtake	Exit Capacity Charge (p/kWh/day) in relevant Gas Year				
Offtake Point		2017/18 (A) Final	2018/19 (B) Indicative	2019/20 (C) Indicative	2020/21 (D) Indicative	
Farningham	GDN (SE)	0.0133	0.0112	0.0195	0.0103	
Farningham B	GDN (SE)	0.0133	0.0112	0.0195	0.0103	
Shorne	GDN (SE)	0.0121	0.0100	0.0182	0.0090	
Tatsfield	GDN (SE)	0.0154	0.0133	0.0217	0.0125	
Winkfield (SE)	GDN (SE)	0.0224	0.0205	0.0298	0.0202	
Braishfield A	GDN (SO)	0.0266	0.0248	0.0343	0.0249	
Braishfield B	GDN (SO)	0.0266	0.0248	0.0343	0.0249	
Crawley Down	GDN (SO)	0.0251	0.0233	0.0327	0.0232	
Hardwick	GDN (SO)	0.0162	0.0141	0.0232	0.0134	
Ipsden	GDN (SO)	0.0200	0.0181	0.0273	0.0176	
lpsden 2	GDN (SO)	0.0200	0.0181	0.0273	0.0176	
Mappowder	GDN (SO)	0.0324	0.0308	0.0404	0.0312	
Winkfield (SO)	GDN (SO)	0.0224	0.0205	0.0298	0.0202	
Aylesbeare	GDN (SW)	0.0355	0.0339	0.0432	0.0345	
Cirencester	GDN (SW)	0.0228	0.0209	0.0298	0.0207	
Coffinswell	GDN (SW)	0.0386	0.0371	0.0465	0.0380	
Easton Grey	GDN (SW)	0.0235	0.0216	0.0305	0.0214	
Evesham	GDN (SW)	0.0186	0.0166	0.0258	0.0161	
Fiddington	GDN (SW)	0.0178	0.0158	0.0245	0.0152	
Ilchester	GDN (SW)	0.0304	0.0287	0.0378	0.0290	
Kenn	GDN (SW)	0.0367	0.0352	0.0445	0.0359	
Littleton Drew	GDN (SW)	0.0244	0.0225	0.0315	0.0224	
Lyneham (Choakford)	GDN (SW)	0.0419	0.0405	0.0500	0.0416	
Pucklechurch	GDN (SW)	0.0254	0.0236	0.0325	0.0235	
Ross (SW)	GDN (SW)	0.0144	0.0123	0.0209	0.0115	
Seabank (DN)	GDN (SW)	0.0277	0.0259	0.0349	0.0260	
Alrewas (WM)	GDN (WM)	0.0173	0.0152	0.0244	0.0146	
Aspley	GDN (WM)	0.0208	0.0189	0.0282	0.0185	

	Type of Offtake	Exit Capacity	Exit Capacity Charge (p/kWh/day) in relevant Gas Year				
Offtake Point		2017/18 (A) Final	2018/19 (B) Indicative	2019/20 (C) Indicative	2020/21 (D) Indicative		
Audley (WM)	GDN (WM)	0.0228	0.0209	0.0302	0.0207		
Austrey	GDN (WM)	0.0165	0.0144	0.0236	0.0138		
Leamington	GDN (WM)	0.0155	0.0134	0.0225	0.0127		
Lower Quinton	GDN (WM)	0.0177	0.0157	0.0248	0.0151		
Milwich	GDN (WM)	0.0194	0.0174	0.0266	0.0169		
Ross (WM)	GDN (WM)	0.0144	0.0123	0.0209	0.0115		
Rugby	GDN (WM)	0.0142	0.0121	0.0212	0.0113		
Shustoke	GDN (WM)	0.0179	0.0159	0.0251	0.0153		
Stratford-upon-Avon	GDN (WM)	0.0172	0.0151	0.0242	0.0145		
Maelor	GDN (WN)	0.0260	0.0242	0.0336	0.0242		
Dowlais	GDN (WS)	0.0095	0.0073	0.0157	0.0061		
Dyffryn Clydach	GDN (WS)	0.0067	0.0044	0.0127	0.0030		
Gilwern	GDN (WS)	0.0109	0.0087	0.0171	0.0076		
Air Products	DC	0.0001	0.0016	0.0039	0.0001		
Ferny Knoll (AM Paper)	DC	0.0196	0.0176	0.0268	0.0171		
Apache	DC	0.0001	0.0001	0.0001	0.0001		
Tonna (Baglan Bay)	DC	0.0068	0.0044	0.0128	0.0031		
Barking (Horndon)	DC	0.0125	0.0104	0.0194	0.0094		
Barrow (Black Start)	DC	0.0083	0.0060	0.0149	0.0048		
Billingham ICI (Terra Billingham)	DC	0.0001	0.0024	0.0047	0.0001		
Bishop Auckland (test facility)	DC	0.0008	0.0045	0.0069	0.0001		
Blackness (BP Grangemouth)	DC	0.0001	0.0001	0.0001	0.0001		
Kinneil CHP	DC	0.0001	0.0001	0.0001	0.0001		
Saltend BPHP (BP Saltend HP)	DC	0.0001	0.0001	0.0025	0.0001		
Shotwick (Bridgewater Paper)	DC	0.0275	0.0257	0.0352	0.0258		
Blyborough (Brigg)	DC	0.0047	0.0023	0.0110	0.0008		
Epping Green (Enfield Energy, aka Brimsdown)	DC	0.0131	0.0110	0.0200	0.0101		
Brine Field (Teesside) Power Station	DC	0.0001	0.0016	0.0039	0.0001		

	Type of Offtake	Exit Capacity	Charge (p/kWh	n/day) in releva	nt Gas Year
Offtake Point		2017/18 (A) Final	2018/19 (B) Indicative	2019/20 (C) Indicative	2020/21 (D) Indicative
Pickmere (Winnington Power, aka Brunner Mond)	DC	0.0234	0.0216	0.0309	0.0214
Carrington (Partington) Power Station	DC	0.0228	0.0209	0.0302	0.0206
Centrax Industrial	DC	0.0384	0.0369	0.0463	0.0377
Cockenzie Power Station	DC	0.0001	0.0001	0.0001	0.0001
Burton Point (Connahs Quay)	DC	0.0279	0.0262	0.0357	0.0263
Caldecott (Corby Power Station)	DC	0.0107	0.0077	0.0165	0.0065
Stanford Le Hope (Coryton)	DC	0.0129	0.0107	0.0190	0.0098
Coryton 2 (Thames Haven) Power Station	DC	0.0129	0.0107	0.0190	0.0098
Blyborough (Cottam)	DC	0.0035	0.0011	0.0098	0.0001
Middle Stoke (Damhead Creek, aka Kingsnorth Power Station)	DC	0.0105	0.0083	0.0165	0.0072
Deeside	DC	0.0280	0.0261	0.0356	0.0263
Didcot PS	DC	0.0204	0.0184	0.0276	0.0180
Drakelow Power Station	DC	0.0167	0.0146	0.0238	0.0140
Enron Billingham	DC	0.0001	0.0024	0.0047	0.0001
Fordoun CNG Station	DC	0.0001	0.0001	0.0001	0.0001
Glasgoforest	DC	0.0001	0.0001	0.0001	0.0001
Goole (Guardian Glass)	DC	0.0020	0.0001	0.0082	0.0001
Grain Power Station	DC	0.0105	0.0083	0.0165	0.0072
Bacton (Great Yarmouth)	DC	0.0001	0.0001	0.0033	0.0001
Hatfield Power Station	DC	0.0016	0.0001	0.0078	0.0001
Hollingsgreen (Hays Chemicals)	DC	0.0241	0.0223	0.0316	0.0221
Weston Point (Castner Kelner, aka ICI Runcorn)	DC	0.0276	0.0259	0.0354	0.0260
Thornton Curtis (Humber Refinery, aka Immingham)	DC	0.0001	0.0001	0.0034	0.0001
Eastoft (Keadby Blackstart)	DC	0.0034	0.0010	0.0096	0.0001
Eastoft (Keadby)	DC	0.0034	0.0010	0.0096	0.0001
Shellstar (aka Kemira, not Kemira CHP)	DC	0.0272	0.0254	0.0349	0.0255
Saddle Bow (Kings Lynn)	DC	0.0035	0.0011	0.0098	0.0001
Langage Power Station	DC	0.0419	0.0405	0.0500	0.0416

	Type of Offtake	Exit Capacity Charge (p/kWh/day) in relevant Gas Year			
		2017/18 (A)	2018/19 (B)	2019/20 (C)	2020/21 (D)
Offtake Point St. Neots (Little Barford)	DC	<b>Final</b> 0.0117	Indicative 0.0095	Indicative 0.0184	Indicative 0.0085
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Gowkhall (Longannet)	DC	0.0001	0.0001	0.0001	0.0001
Marchwood Power Station  Medway (aka Isle of Grain Power	DC	0.0269	0.0252	0.0346	0.0252
Station, NOT Grain Power)	DC	0.0106	0.0084	0.0166	0.0073
Upper Neeston (Milford Haven Refinery)	DC	0.0001	0.0001	0.0018	0.0001
Palm Paper	DC	0.0035	0.0011	0.0098	0.0001
Blackbridge (Pembroke PS)	DC	0.0001	0.0001	0.0025	0.0001
Peterborough (Peterborough Power Station)	DC	0.0075	0.0052	0.0141	0.0039
St. Fergus (Peterhead)	DC	0.0001	0.0001	0.0001	0.0001
Phillips Petroleum, Teeside	DC	0.0001	0.0016	0.0039	0.0001
Weston Point (Rocksavage)	DC	0.0276	0.0259	0.0354	0.0260
Roosecote (Roosecote Power Station)	DC	0.0083	0.0060	0.0149	0.0048
Ryehouse	DC	0.0136	0.0115	0.0205	0.0095
Rosehill (Saltend Power Station)	DC	0.0001	0.0001	0.0023	0.0001
Sandy Lane (Blackburn CHP, aka Sappi Paper Mill)	DC	0.0182	0.0161	0.0253	0.0156
Seabank (Seabank Power Station phase II)	DC	0.0275	0.0258	0.0348	0.0258
Abson (Seabank Power Station phase I)	DC	0.0254	0.0236	0.0325	0.0235
Seal Sands TGPP	DC	0.0001	0.0016	0.0039	0.0001
Sellafield Power Station	DC	0.0131	0.0110	0.0200	0.0101
Terra Nitrogen (aka ICI, Terra Severnside)	DC	0.0274	0.0256	0.0346	0.0257
Harwarden (Shotton, aka Shotton Paper)	DC	0.0278	0.0261	0.0356	0.0262
Wragg Marsh (Spalding)	DC	0.0052	0.0028	0.0116	0.0014
Spalding 2 (South Holland) Power Station	DC	0.0052	0.0028	0.0116	0.0014
St. Fergus (Shell Blackstart)	DC	0.0001	0.0001	0.0001	0.0001
St. Fergus Segal	DC	0.0001	0.0001	0.0001	0.0001
Stallingborough (phase 1 and 2)	DC	0.0001	0.0001	0.0045	0.0001
Staythorpe PH1 and PH2	DC	0.0070	0.0047	0.0135	0.0033
Sutton Bridge Power Station	DC	0.0055	0.0032	0.0119	0.0017

	Type of Offtake	Exit Capacity Charge (p/kWh/day) in relevant Gas Year				
Offtake Point		2017/18 (A) Final	2018/19 (B) Indicative	2019/20 (C) Indicative	2020/21 (D) Indicative	
Teesside (BASF, aka BASF Teesside)	DC	0.0001	0.0016	0.0039	0.0001	
Teesside Hydrogen	DC	0.0001	0.0016	0.0039	0.0001	
Thornton Curtis (Killingholme)	DC	0.0001	0.0001	0.0034	0.0001	
Tilbury Power Station	DC	0.0124	0.0103	0.0185	0.0093	
Trafford PS	DC	0.0228	0.0209	0.0302	0.0206	
West Burton PS	DC	0.0036	0.0012	0.0099	0.0001	
Willington Power Station	DC	0.0184	0.0164	0.0256	0.0159	
Wyre Power Station	DC	0.0169	0.0148	0.0239	0.0142	
Zeneca (ICI Avecia, aka 'Zenica')	DC	0.0001	0.0024	0.0047	0.0001	
Avonmouth Max Refill	STORAGE SITE	0.0275	0.0257	0.0347	0.0258	
Bacton (Baird)	STORAGE SITE	0.0001	0.0001	0.0033	0.0001	
Deborah Storage (Bacton)	STORAGE SITE	0.0001	0.0001	0.0033	0.0001	
Barrow (Bains)	STORAGE SITE	0.0083	0.0060	0.0149	0.0048	
Barrow (Gateway)	STORAGE SITE	0.0083	0.0060	0.0149	0.0048	
Barton Stacey Max Refill (Humbly Grove)	STORAGE SITE	0.0248	0.0230	0.0324	0.0229	
Caythorpe	STORAGE SITE	0.0001	0.0001	0.0055	0.0001	
Cheshire (Holford)	STORAGE SITE	0.0234	0.0215	0.0309	0.0213	
Dynevor Max Refill	STORAGE SITE	0.0089	0.0066	0.0150	0.0054	
Rough Max Refill	STORAGE SITE	0.0001	0.0001	0.0002	0.0001	
Garton Max Refill (Aldbrough)	STORAGE SITE	0.0001	0.0001	0.0017	0.0001	
Glenmavis Max Refill	STORAGE SITE	0.0001	0.0001	0.0004	0.0001	
Hatfield Moor Max Refill	STORAGE SITE	0.0025	0.0001	0.0087	0.0001	
Hole House Max Refill	STORAGE SITE	0.0240	0.0222	0.0315	0.0220	
Hornsea Max Refill	STORAGE SITE	0.0001	0.0001	0.0040	0.0001	
Partington Max Refill	STORAGE SITE	0.0228	0.0209	0.0302	0.0206	
Stublach (Cheshire)	STORAGE SITE	0.0234	0.0215	0.0309	0.0213	
Saltfleetby Storage (Theddlethorpe)	STORAGE SITE	0.0001	0.0001	0.0040	0.0001	
Hill Top Farm (Hole House Farm)	STORAGE SITE	0.0240	0.0222	0.0315	0.0220	

# Appendix 2 NTS Exit Capacity charges relating to Interconnection Points (IPs)

In accordance with CAM, effective 1 November 2015, the following prices are applicable for the Exit Annual Yearly IP Capacity Auctions, Exit Rolling Monthly IP Capacity Auctions, Exit Rolling Day Ahead IP Capacity Auctions and Within Day IP Capacity Auctions.

	Type of Offtake	IP Exit Capacity Charge (p/kWh/day) in relevant Gas Year			
Offtake Point		2017/18 (A) Final	2018/19 (B) Indicative	2019/20 (C) Indicative	2020/21 (D) Indicative
Bacton IUK	INTERCONNECTOR	0.0001	0.0001	0.0033	0.0001
Bacton BBL	INTERCONNECTOR	0.0001	0.0001	0.0033	0.0001
Moffat (Irish Interconnector)	INTERCONNECTOR	0.0003	0.0001	0.0063	0.0001

For the Ascending Clock Auctions, the NTS Large Price Step shall be the greater of 5% of the reserve price or 0.0001p/kWh/day. A Small Price Step will be one fifth of the Large Price Step.