**Modification 0678 – legal text - note on differences with alternates**

This table and attachments set out legal text for the 0678 Alternates by comparison with 0678.

The table sets out, for each Alternate, different topics covered by the Alternate (where these differ from 0678), and the proposed text, in three columns:

-           TPD Section Y (the methodology)

-           TPD Section B (covering payment of transportation charges), and also any changes in TPD Sections E and G

-           the Transition Document.

The attachments are referred to in relevant places in the table, and contain longer drafting 'modules' which feature in one or more Alternates.

This version of the table is work-in-progress, is not complete, and is subject to revision.  It has been prepared so as to be available in advance of the work group meeting on 4th April.  Any later updated drafting will be flagged to the workgroup at that meeting.

| *0678A – RWE* |
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| **#** | **Commercial Business Rule Topic** | **Legal text impact** |  |
| **Methodology impact (TPD Y)** | **TPD B/E/G impact (where relevant)** | **Transitional Rules impact** |
|  | Reference Price methodology - Postage Stamp model with adjustment to minimise Revenue Recovery | ***Amend Y2.1.3 – delete (b) and (c) and replace with*** (b) for each Entry Point and Exit Point:1. determine Forecast Contracted Capacity; and
2. on the basis of the Forecast Contracted Capacity, determine Capacity Weighting;

(c) on the basis of Capacity Weighting, allocate Allowed Transmission Services Entry Revenue between Entry Points and Allowed Transmission Services Exit Revenue between Exit Points, to determine Entry Point Allowed Revenue for each Entry Point and Exit Point Allowed Revenue for each Exit Point;***Add a new Y2.1.10 and Y2.1.11***2.1.10 At the same time it publishes the information under paragraph 1.7.2 for a Gas Year National Grid NTS will publish a simplified version of its model for determining reserve pricing.2.1.11 It is acknowledged that:(a) the reference price methodology in this paragraph is a 'postage stamp' rather than 'capacity-weighted distance' methodology;(b) upon any consultation under Article 26(1) of the Tariff Regulation, a comparison will be made (as required by Article 26(1)(1)(vi)) against the results of applying the 'capacity-weighted distance' methodology in Article 8 of the Tariff Regulation. ***Delete Y2.4.3 and renumber the subsequent paragraphs*** ***Amend Y2.6.1 and Y2.6.2***1. 1. **NTS Point Allowed Revenue**
		1. The “**Entry Point Allowed Revenue**” (AREn,y, in £) for an Entry Point for a Gas Year is determined as follows:

AREn,y = NATSEnRy \* CAPWEn where, for the Entry Point and Gas Year:NATSEnRy is Net Allowed Transmission Services Entry Revenue; andCAPWEn is the Capacity Weighting determined in accordance with paragraph 2.7.1.* + 1. The “**Exit Point Allowed Revenue**” (AREx,y, in £) for an Exit Point for a Gas Year is determined as follows:

AREx,y = ATSExRy \* CAPWExwhere, for the Entry Point and Gas Year:ATSExRy is Allowed Transmission Services Exit Revenue; andCAPWEx is the Capacity Weighting determined in accordance with paragraph 2.7.2.***Amend Y2.7.1 and 2.7.2**** 1. **Capacity Weighting**
		1. The Capacity Weighting (CAPWEn) for an Entry Point for a Gas Year is determined as follows:

CAPWEn = NCAPEn,y / ∑En NCAPEn,y  Where, for the Entry Point and Gas Year:NCAPEn,y is Net Forecast Contracted Capacity; and where∑En is the sum over all Entry Points.* + 1. The Capacity Weighting (CAPWEx) for an Exit Point for a Gas Year is determined as follows:

CAPWEx = CAPEx,y / ∑Ex CAPEx,y  where for the Exit Point and Gas Year:CAPEx,y is Forecast Contracted Capacity; and where∑Ex is the sum over all Exit Points.**Delete Y2.8 and renumber the subsequent paragraphs** | No impact | No impact |
|  | Forecasted Contracted Capacity (FCC) | ***Add wording to Y2.5.2(a)***2.5.2 National Grid NTS shall: (a) maintain, keep under review, and consult with Users on any material change in, a methodology ("FCC Methodology"), consistent with paragraph 2.5.3, by which allocated amounts of NTS Capacity will be assessed as provided in paragraph 2.5.1(a);***Add a new Y2.5.3***2.5.3 The FCC Methodology shall:1. take account of historic and forecast data relating to each NTS Point including:
2. forecast demand;
3. Registered Capacity for which the Capacity Charge is greater than zero;
4. the quantities of gas delivered or offtaken on past Days; and
5. the quantities of gas forecast to be delivered or offtaken on future Days.
6. reflect National Grid NTS's estimate of how Users will change their approach to procuring NTS Capacity as a result of the application of the Interruptible Discount (as compared with the 100% discount under the prior methodology).
 | No impact | No impact |

| *0678B – Centrica* |
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| **#** | **Commercial Business Rule Topic** | **Legal text impact** |  |
| **Methodology impact (TPD Y)** | **TPD B/E/G impact (where relevant)** | **Transitional Rules impact** |
|  | Reference Price methodology – inclusion of NTS optional charges | ***Add wording to Y2.1.3(d)***(d) for each Entry Point and Exit Point, divideEntry Point Allowed Revenue or Exit Point Allowed Revenue by Forecast Contracted Capacity to determine provisional reference price, and then scale to reflect the revenue shortfall implied by the multipliers and discounts and optional charges referred to below, to determine Reference Price;***Add a new Y2.4.4(iii) (and renumber the subsequent sub-paragraphs)***(iii) on the assumption that Users elect for the NTS Optional Commodity Charge (as provided in paragraph 5) where it is likely to be economic to do so (and on the basis that revenues in respect of the NTS Optional Commodity Charge are Transmission Services Revenue in accordance with paragraph 5.2.2). | No impact  | No impact |
|  | Forecasted Contracted Capacity (FCC) | ***Amend Y2.5.1(a)***2.5.1 For the purposes of this paragraph 2.5, in relation to a NTS Point and a Gas Year:* + - 1. the “**Forecast Contracted Capacity**” is as assessment of the average amount (in kWh/Day) of NTS Capacity allocated to Users (pursuant to all applicable Auctions or Allocation Processes) at that NTS Point for that Gas Year, on the basis in paragraph 2.2.3, determined in accordance with the methodology (“FCC Methodology”) set out in paragraphs 2.5.3 to 3.5.5; and

***Delete Y2.5.2 and renumber the subsequent paragraphs******Amend Y2.5.3 (now renumbered Y2.5.2)***2.5.2 For each Gas Year, National Grid NTS shall:1. by the time required to notify Reserve Prices in respect of the first Auction or Allocation Process relating to the Gas Year to be held in the preceding Gas Year, determine in accordance with the FCC Methodology for all NTS Points Forecast Contracted Capacity and (for Entry Points) Net Forecast Contracted Capacity; and
2. no later than the Charges Publication Date, publish such values for all NTS Points, together with the indicative values for the following four Gas Years, and together with a statement of how the FCC Methodology was applied to determine such values.

***Add new paragraphs Y2.5.3 – 2.5.6 (see attachment #1)*** | No impact | ***Delete paragraph 25.2*** |
|  | NTS Optional Charge | ***Add wording to Y2.1.9***2.1.9 Where the value of any Reserve Price determined under this paragraph 2 or NTS Optional Capacity Charge [Rate] determined under paragraph 5 would (pursuant to rounding under paragraph 1.9) be rounded down to have a value of zero, the Reserve Price or NTS Optional Capacity Charge [Rate] shall be rounded up to the minimum non- zero value under paragraph 1.9. ***Add wording to Y4.7.2(b)***(a) the “**Forecast Aggregate NTS Quantity**” is the sum of:1. the aggregate quantity of gas which National Grid NTS estimates will be delivered by Users to the NTS at all Entry Points in the Gas Year, excluding Excluded Storage Quantities and less Forecast NOCC ADQ; and
2. the aggregate quantity of gas which National Grid NTS estimates will be offtaken by Users from the NTS at all Exit Points in the Gas Year, excluding Excluded Storage Quantities and less Forecast NOCC ADQ; and

***Add new paragraph 4.7.2(d)***4.7.2(d) "**Forecast NOCC ADQ**" is the aggregate quantity which National Grid NTS estimates will be counted in the Gas Year as Applicable Daily Quantity (and for which, pursuant to TPD Section B8, NTS Optional Capacity Charges will be payable in substitution for General Non-Transmission Service Charges) pursuant to NOCC Elections.***Add a new Y5 - see attachment #2*** | ***Add wording to B1 – B3 as shown in attachment #3******Add a new B8 – see attachment #4******Amend TPD G*** Replace the words “NTS Optional Commodity Rate” with “NTS Optional Capacity Charge” in G2.3.2(g), G2.3.9(a), G2.4.2(l)(i) and 2.5.8(b)(ii). Replace the words “NTS Optional Commodity Rate” with “Applicable Daily Rate of the NTS Optional Capacity Charge” in the final row of the table in TPD Annex G-1, paragraph 10.***Amend TPD E***Replace the words "NTS Commodity Charges" with "General Non-Transmission Services Charges" in E1.3.4(c), E6.4.1 and E6.4.2(a)(i) and (b)(i). Replace the words "NTS Commodity Charge" with "General Non-Transmission Services Charge” in E6.2.6. | ***Replace paragraph 25.6 with*** ***the wording at attachment #7*** |
|  | Modification implementation (effective date) | No impact | No impact | ***Amend paragraph 25.1.2(d)***1. the “**Modification Effective Date**” is such Day, being the first Day of a month, not earlier than 1 October 2019 (and subsequent to the Modification Direction Date) as the Authority may direct in its direction to make the Relevant Modification;
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| *0678C – SSE* |
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| **#** | **Commercial Business Rule Topic** | **Legal text impact** |  |
| **Methodology impact (TPD Y)** | **TPD B/E/G impact (where relevant)** | **Transitional Rules impact** |
|  | Reference Price methodology - Postage Stamp model with adjustment to minimise Revenue Recovery | ***Amend Y2.1.3 – delete (b) and (c) and replace with*** (b) for each Entry Point and Exit Point:1. determine Forecast Contracted Capacity; and
2. on the basis of the Forecast Contracted Capacity, determine Capacity Weighting;

(c) on the basis of Capacity Weighting, allocate Allowed Transmission Services Entry Revenue between Entry Points and Allowed Transmission Services Exit Revenue between Exit Points, to determine Entry Point Allowed Revenue for each Entry Point and Exit Point Allowed Revenue for each Exit Point;***Add a new Y2.1.10***2.1.10 At the same time it publishes the information under paragraph 1.7.2 for a Gas Year National Grid NTS will publish a simplified version of its model for determining reserve pricing.***Delete Y2.4.3 and renumber the subsequent paragraphs*** ***Amend Y2.6.1 and Y2.6.2**** 1. **NTS Point Allowed Revenue**
		1. The “**Entry Point Allowed Revenue**” (AREn,y, in £) for an Entry Point for a Gas Year is determined as follows:

AREn,y = NATSEnRy \* CAPWEn where, for the Entry Point and Gas Year:NATSEnRy is Net Allowed Transmission Services Entry Revenue; andCAPWEn is the Capacity Weighting determined in accordance with paragraph 2.7.1.* + 1. The “**Exit Point Allowed Revenue**” (AREx,y, in £) for an Exit Point for a Gas Year is determined as follows:

AREx,y = ATSExRy \* CAPWExwhere, for the Entry Point and Gas Year:ATSExRy is Allowed Transmission Services Exit Revenue; andCAPWEx is the Capacity Weighting determined in accordance with paragraph 2.7.2.***Amend Y2.7.1 and 2.7.2**** 1. **Capacity Weighting**
		1. The Capacity Weighting (CAPWEn) for an Entry Point for a Gas Year is determined as follows:

CAPWEn = NCAPEn,y / ∑En NCAPEn,y  Where, for the Entry Point and Gas Year:NCAPEn,y is Net Forecast Contracted Capacity; and where∑En is the sum over all Entry Points.* + 1. The Capacity Weighting (CAPWEx) for an Exit Point for a Gas Year is determined as follows:

CAPWEx = CAPEx,y / ∑Ex CAPEx,y  where for the Exit Point and Gas Year:CAPEx,y is Forecast Contracted Capacity; and where∑Ex is the sum over all Exit Points.**Delete Y2.8 and renumber the subsequent paragraphs** | No impact | No impact |
|  | Forecasted Contracted Capacity (FCC) | ***Amend Y2.5.1(a)***2.5.1 For the purposes of this paragraph 2.5, in relation to a NTS Point and a Gas Year:* + - 1. the “**Forecast Contracted Capacity**” is as assessment of the average amount (in kWh/Day) of NTS Capacity allocated to Users (pursuant to all applicable Auctions or Allocation Processes) at that NTS Point for that Gas Year, on the basis in paragraph 2.2.3, determined in accordance with the methodology (“FCC Methodology”) set out in paragraphs 2.5.3 to 3.5.5; and

***Delete Y2.5.2 and renumber the subsequent paragraphs******Amend Y2.5.3 (now renumbered Y2.5.2)***2.5.2 For each Gas Year, National Grid NTS shall:1. by the time required to notify Reserve Prices in respect of the first Auction or Allocation Process relating to the Gas Year to be held in the preceding Gas Year, determine in accordance with the FCC Methodology for all NTS Points Forecast Contracted Capacity and (for Entry Points) Net Forecast Contracted Capacity; and
2. no later than the Charges Publication Date, publish such values for all NTS Points, together with the indicative values for the following four Gas Years, and together with a statement of how the FCC Methodology was applied to determine such values.

***Add new paragraphs Y2.5.3 – 2.5.6 (see attachment #1)*** | No impact | ***Delete paragraph 25.2*** |
|  | Storage Connection Points discount | Amend Y2.9.4(a)2.9.4 The “**Specific Point Discount**” is:(a) for Storage Site Points, 80%;(b) for LNG Importation Terminal Points, zero (0). | No impact | No impact |
|  | Exclusion of all Storage Connection Points for revenue recovery, except where the capacity is booked for own use purposes  | ***Amend Y3.1.1(e) and (f)***(e) “**Forecast Aggregate Fully-Adjusted Entry Capacity**” is the aggregate amount of NTS Entry Capacity (of all Capacity Allocation Types) which National Grid NTS estimates will be held at Entry Points, excluding Storage Site Points for the Gas Year, Fully-Adjusted (as provided in TPD Section B2.1.7(d)) each Day, on the basis in paragraph 2.2.3; and(f) “**Forecast Aggregate Fully-Adjusted Exit Capacity**” is the aggregate amount of NTS Exit (Flat) Capacity (of all Capacity Allocation Types) which National Grid NTS estimates will be held at Exit Points, excluding Storage Site Points, but including NTS Exit (Flat) Capacity treated as held by a storage use gas provider in accordance with paragraph 3.1.3, for the Gas Year, Fully-Adjusted (as provided in TPD Section B3.8.6(c)) each Day, on the basis in paragraph 2.2.3.***Insert new Y3.1.3***3.1.3 For the purposes of TPD Section B.3.12.8, Available NTS Exit (Flat) Capacity treated as held by a storage use gas provider will be calculated as the quantity of storage use gas offtaken by the storage use gas provider (as referred to in TPD Section R) divided by 1 Day.  | ***Amend B2.11.7***2.11.7 The Entry Transmission Services Revenue Recovery Charge payable by a User or National Grid NTS in respect of each Day will be determined for each Aggregate System Entry Point, excluding Storage Connection Points as the User's Fully Adjusted Available NTS Entry Capacity multiplied by the Applicable Daily Rate for such charge as determined in accordance with Section 3 of the NTS Transportation Charging Methodology and set out in the Transportation Statement.***Amend B3.12.8***3.12.8 The Exit Transmission Services Revenue Recovery Charge payable by a User or National Grid NTS in respect of each Day will be determined for each NTS System Exit Point as the User’s Fully Adjusted Available NTS Exit (Flat) Capacity, excluding Storage Connection Points, but including NTS Exit (Flat) Capacity treated as held by a storage use gas provider in accordance with TPD section Y3.1.3, multiplied by the Applicable Daily Rate of such charge as determined in accordance with Section 3 of the NTS Transportation Charging Methodology and set out in the Transportation Statement. | No impact |
|  | Revenue recovery within-year revisions limited to once per annum | ***Insert new Y3.3.4***3.3.4 In relation to a Gas Year, National Grid NTS may not revise the Entry Transmission Services Revenue Recovery Charge on more than one occasion, and may not revise the Exit Transmission Services Revenue Recovery Charge on more than one occasion. | No impact | No impact |
|  | Modification implementation (effective date) | No impact | No impact | ***Amend paragraph 25 as shown in attachment #8***  |

| *0678D – ENI* |  |
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| **#** | **Commercial Business Rule Topic** | **Legal text impact** |  |
| **Methodology impact (TPD Y)** | **TPD B/E/G impact (where relevant)** | **Transitional Rules impact** |
|  | Reference Price methodology – inclusion of NTS optional charges | ***Add wording to Y2.1.3(d)***(d) for each Entry Point and Exit Point, divideEntry Point Allowed Revenue or Exit Point Allowed Revenue by Forecast Contracted Capacity to determine provisional reference price, and then scale to reflect the revenue shortfall implied by the multipliers and discounts and optional charges referred to below, to determine Reference Price;***Add a new Y2.4.4(iii) (and renumber the subsequent sub-paragraphs)***(iii) on the assumption that Users elect for the NTS Optional Commodity Charge (as provided in paragraph 5) where it is likely to be economic to do so (and on the basis that revenues in respect of the NTS Optional Commodity Charge are Transmission Services Revenue in accordance with paragraph 5.2.2). | No impact  | No impact |
|  | NTS Optional Charge: | ***Add wording to Y2.1.9***2.1.9 Where the value of any Reserve Price determined under this paragraph 2 or NTS Optional Capacity Charge [Rate] determined under paragraph 5 would (pursuant to rounding under paragraph 1.9) be rounded down to have a value of zero, the Reserve Price or NTS Optional Capacity Charge [Rate] shall be rounded up to the minimum non- zero value under paragraph 1.9.***Add wording to Y4.7.2(b)***(a) the “**Forecast Aggregate NTS Quantity**” is the sum of:1. the aggregate quantity of gas which National Grid NTS estimates will be delivered by Users to the NTS at all Entry Points in the Gas Year, excluding Excluded Storage Quantities and less Forecast NOCC ADQ; and
2. the aggregate quantity of gas which National Grid NTS estimates will be offtaken by Users from the NTS at all Exit Points in the Gas Year, excluding Excluded Storage Quantities and less Forecast NOCC ADQ; and

***Add new paragraph 4.7.2(d)***4.7.2(d) "**Forecast NOCC ADQ**" is the aggregate quantity which National Grid NTS estimates will be counted in the Gas Year as Applicable Daily Quantity (and for which, pursuant to TPD Section B8, NTS Optional Capacity Charges will be payable in substitution for General Non-Transmission Service Charges) pursuant to NOCC Elections.***Add a new Y5 - see attachment #5*** | ***Add wording to B1 – B3 as shown in attachment #3*** ***Add a new B8 – see attachment #4******Amend TPD G*** Replace the words “NTS Optional Commodity Rate” with “NTS Optional Capacity Charge” in G2.3.2(g), G2.3.9(a), G2.4.2(l)(i) and 2.5.8(b)(ii). Replace the words “NTS Optional Commodity Rate” with “Applicable Daily Rate of the NTS Optional Capacity Charge” in the final row of the table in TPD Annex G-1, paragraph 10.***Amend TPD E***Replace the words "NTS Commodity Charges" with "General Non-Transmission Services Charges" in E1.3.4(c), E6.4.1 and E6.4.2(a)(i) and (b)(i). Replace the words "NTS Commodity Charge" with "General Non-Transmission Services Charge” in E6.2.6. | ***Replace paragraph 25.6 with*** ***the wording at attachment #7*** |

| *0678E – Gateway LNG Company* |  |
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| **#** | **Commercial Business Rule Topic** | **Legal text impact** |  |
| **Methodology impact (TPD Y)** | **TPD B/E/G impact (where relevant)** | **Transitional Rules impact** |
|  | Storage Connection Points discount | ***Amend Y2.9.4(a)***2.9.4 The “**Specific Point Discount**” is:(a) for Storage Site Points, 80%;(b) for LNG Importation Terminal Points, zero (0). | No impact | No impact |
|  | Exclusion of all Storage Connection Points for revenue recovery  | ***Amend Y3.1.1(e) and (f)***(e) “**Forecast Aggregate Fully-Adjusted Entry Capacity**” is the aggregate amount of NTS Entry Capacity (of all Capacity Allocation Types) which National Grid NTS estimates will be held at Entry Points, excluding Storage Site Points for the Gas Year, Fully-Adjusted (as provided in TPD Section B2.1.7(d)) each Day, , on the basis in paragraph 2.2.3; and(f) “**Forecast Aggregate Fully-Adjusted Exit Capacity**” is the aggregate amount of NTS Exit (Flat) Capacity (of all Capacity Allocation Types) which National Grid NTS estimates will be held at Exit Points, excluding Storage Site Points for the Gas Year, Fully-Adjusted (as provided in TPD Section B3.8.6(c)) each Day, on the basis in paragraph 2.2.3.***Delete Y2.2.4 (and cross-references)*** | ***Amend B2.11.7***2.11.7 The Entry Transmission Services Revenue Recovery Charge payable by a User or National Grid NTS in respect of each Day will be determined for each Aggregate System Entry Point, excluding Storage Connection Points as the User's Fully Adjusted Available NTS Entry Capacity, multiplied by the Applicable Daily Rate for such charge as determined in accordance with Section 3 of the NTS Transportation Charging Methodology and set out in the Transportation Statement.***Amend B3.12.8***3.12.8 The Exit Transmission Services Revenue Recovery Charge payable by a User or National Grid NTS in respect of each Day will be determined for each NTS System Exit Point, excluding Storage Connection Points, as the User’s Fully Adjusted Available NTS Exit (Flat) Capacity multiplied by the Applicable Daily Rate of such charge as determined in accordance with Section 3 of the NTS Transportation Charging Methodology and set out in the Transportation Statement. | No impact |

| *067F – Storengy* |  |
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| **#** | **Commercial Business Rule Topic** | **Legal text impact** |  |
| **Methodology impact (TPD Y)** | **TPD B/E/G impact (where relevant)** | **Transitional Rules impact** |
|  | Storage Connection Points discount | ***Amend Y2.9.4(a)***2.9.4 The “**Specific Point Discount**” is:(a) for Storage Site Points, 80%;(b) for LNG Importation Terminal Points, zero (0). | No impact | No impact |
|  | Exclusion of all Storage Connection Points for revenue recovery  | ***Amend Y3.1.1(e) and (f)***(e) “**Forecast Aggregate Fully-Adjusted Entry Capacity**” is the aggregate amount of NTS Entry Capacity (of all Capacity Allocation Types) which National Grid NTS estimates will be held at Entry Points, excluding Storage Site Points for the Gas Year, Fully-Adjusted (as provided in TPD Section B2.1.7(d)) each Day, , on the basis in paragraph 2.2.3; and(f) “**Forecast Aggregate Fully-Adjusted Exit Capacity**” is the aggregate amount of NTS Exit (Flat) Capacity (of all Capacity Allocation Types) which National Grid NTS estimates will be held at Exit Points, excluding Storage Site Points for the Gas Year, Fully-Adjusted (as provided in TPD Section B3.8.6(c)) each Day, on the basis in paragraph 2.2.3.***Delete Y2.2.4 (and cross-references)*** | ***Amend B2.11.7***2.11.7 The Entry Transmission Services Revenue Recovery Charge payable by a User or National Grid NTS in respect of each Day will be determined for each Aggregate System Entry Point, excluding Storage Connection Points as the User's Fully Adjusted Available NTS Entry Capacity, multiplied by the Applicable Daily Rate for such charge as determined in accordance with Section 3 of the NTS Transportation Charging Methodology and set out in the Transportation Statement.***Amend B3.12.8***3.12.8 The Exit Transmission Services Revenue Recovery Charge payable by a User or National Grid NTS in respect of each Day will be determined for each NTS System Exit Point, excluding Storage Connection Points, as the User’s Fully Adjusted Available NTS Exit (Flat) Capacity multiplied by the Applicable Daily Rate of such charge as determined in accordance with Section 3 of the NTS Transportation Charging Methodology and set out in the Transportation Statement. | No impact |
|  | Publication of Reserve Prices and Step Prices, and capacity surrender | ***Add a new Y2.1.10 (see attachment #9))*** | ***Add a new B2.18 (see attachment #9)*** | No impact  |

| *0678G – Vitol SA Geneva* |
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| **#** | **Commercial Business Rule Topic** | **Legal text impact** |  |
| **Methodology impact (TPD Y)** | **TPD B/E/G impact (where relevant)** | **Transitional Rules impact** |
|  | Reference Price methodology – inclusion of NTS optional charges | ***Add wording to Y2.1.3(d)***(d) for each Entry Point and Exit Point, divideEntry Point Allowed Revenue or Exit Point Allowed Revenue by Forecast Contracted Capacity to determine provisional reference price, and then scale to reflect the revenue shortfall implied by the multipliers and discounts and optional charges referred to below, to determine Reference Price;***Add a new Y2.4.4(iii) (and renumber the subsequent sub-paragraphs)***(iii) on the assumption that Users elect for the NTS Optional Commodity Charge (as provided in paragraph 5) where it is likely to be economic to do so (and on the basis that revenues in respect of the NTS Optional Commodity Charge are Transmission Services Revenue in accordance with paragraph 5.2.2). | No impact  | No impact |
|  | Exclusion of all Storage Connection Points for revenue recovery, for existing contracts only  | ***Amend Y3.1.1(e)*** (e) “**Forecast Aggregate Fully-Adjusted Entry Capacity**” is the aggregate amount of NTS Entry Capacity (of all Capacity Allocation Types) which National Grid NTS estimates will be held at Entry Points for the Gas Year, Fully-Adjusted (as provided in TPD Section B2.1.7(d)) each Day, Excluding Existing Available Holding for Storage Site Points, on the basis in paragraph 2.2.3; and | ***Amend B2.11.7***2.11.7 The Entry Transmission Services Revenue Recovery Charge payable by a User or National Grid NTS in respect of each Day will be determined for each Aggregate System Entry Point, as the User's Fully Adjusted Available NTS Entry Capacity, excluding Existing Available Holding for Storage Connection Points multiplied by the Applicable Daily Rate for such charge as determined in accordance with Section 3 of the NTS Transportation Charging Methodology and set out in the Transportation Statement. | No impact |
|  | NTS Optional Charge: | ***Add wording to Y2.1.9***2.1.9 Where the value of any Reserve Price determined under this paragraph 2 or NTS Optional Capacity Charge [Rate] determined under paragraph 5 would (pursuant to rounding under paragraph 1.9) be rounded down to have a value of zero, the Reserve Price or NTS Optional Capacity Charge [Rate] shall be rounded up to the minimum non- zero value under paragraph 1.9.***Add wording to Y4.7.2(b)***(a) the “**Forecast Aggregate NTS Quantity**” is the sum of:1. the aggregate quantity of gas which National Grid NTS estimates will be delivered by Users to the NTS at all Entry Points in the Gas Year, excluding Excluded Storage Quantities and less Forecast NOCC ADQ; and
2. the aggregate quantity of gas which National Grid NTS estimates will be offtaken by Users from the NTS at all Exit Points in the Gas Year, excluding Excluded Storage Quantities and less Forecast NOCC ADQ; and

***Add new paragraph 4.7.2(d)***4.7.2(d) "**Forecast NOCC ADQ**" is the aggregate quantity which National Grid NTS estimates will be counted in the Gas Year as Applicable Daily Quantity (and for which, pursuant to TPD Section B8, NTS Optional Capacity Charges will be payable in substitution for General Non-Transmission Service Charges) pursuant to NOCC Elections.***Add a new Y5 - see attachment #5*** | ***Add wording to B1 – B3 as shown in attachment #3*** ***Add a new B8 – see attachment #4******Amend TPD G*** Replace the words “NTS Optional Commodity Rate” with “NTS Optional Capacity Charge” in G2.3.2(g), G2.3.9(a), G2.4.2(l)(i) and 2.5.8(b)(ii). Replace the words “NTS Optional Commodity Rate” with “Applicable Daily Rate of the NTS Optional Capacity Charge” in the final row of the table in TPD Annex G-1, paragraph 10.***Amend TPD E***Replace the words "NTS Commodity Charges" with "General Non-Transmission Services Charges" in E1.3.4(c), E6.4.1 and E6.4.2(a)(i) and (b)(i). Replace the words "NTS Commodity Charge" with "General Non-Transmission Services Charge” in E6.2.6. | ***Replace paragraph 25.6 with*** ***the wording at attachment #7*** |

| *0678H – EP UK Investments* |
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| **#** | **Commercial Business Rule Topic** | **Legal text impact** |  |
| **Methodology impact (TPD Y)** | **TPD B/E/G impact (where relevant)** | **Transitional Rules impact** |
|  | Reference Price methodology - Postage Stamp model with adjustment to minimise Revenue Recovery | ***Amend Y2.1.3 – delete (b) and (c) and replace with*** (b) for each Entry Point and Exit Point:1. determine Forecast Contracted Capacity; and
2. on the basis of the Forecast Contracted Capacity, determine Capacity Weighting;

(c) on the basis of Capacity Weighting, allocate Allowed Transmission Services Entry Revenue between Entry Points and Allowed Transmission Services Exit Revenue between Exit Points, to determine Entry Point Allowed Revenue for each Entry Point and Exit Point Allowed Revenue for each Exit Point;***Add a new Y2.1.10***2.1.10 At the same time it publishes the information under paragraph 1.7.2 for a Gas Year National Grid NTS will publish a simplified version of its model for determining reserve pricing.***Delete Y2.4.3 and renumber the subsequent paragraphs*** ***Amend Y2.6.1 and Y2.6.2**** 1. **NTS Point Allowed Revenue**
		1. The “**Entry Point Allowed Revenue**” (AREn,y, in £) for an Entry Point for a Gas Year is determined as follows:

AREn,y = NATSEnRy \* CAPWEn where, for the Entry Point and Gas Year:NATSEnRy is Net Allowed Transmission Services Entry Revenue; andCAPWEn is the Capacity Weighting determined in accordance with paragraph 2.7.1.* + 1. The “**Exit Point Allowed Revenue**” (AREx,y, in £) for an Exit Point for a Gas Year is determined as follows:

AREx,y = ATSExRy \* CAPWExwhere, for the Entry Point and Gas Year:ATSExRy is Allowed Transmission Services Exit Revenue; andCAPWEx is the Capacity Weighting determined in accordance with paragraph 2.7.2.***Amend Y2.7.1 and 2.7.2**** 1. **Capacity Weighting**
		1. The Capacity Weighting (CAPWEn) for an Entry Point for a Gas Year is determined as follows:

CAPWEn = NCAPEn,y / ∑En NCAPEn,y  Where, for the Entry Point and Gas Year:NCAPEn,y is Net Forecast Contracted Capacity; and where∑En is the sum over all Entry Points.* + 1. The Capacity Weighting (CAPWEx) for an Exit Point for a Gas Year is determined as follows:

CAPWEx = CAPEx,y / ∑Ex CAPEx,y  where for the Exit Point and Gas Year:CAPEx,y is Forecast Contracted Capacity; and where∑Ex is the sum over all Exit Points.**Delete Y2.8 and renumber the subsequent paragraphs** | No impact | No impact |
|  | Exclusion of all Storage Connection Points for revenue recovery, for existing contracts only  | ***Amend Y3.1.1(e)*** (e) “**Forecast Aggregate Fully-Adjusted Entry Capacity**” is the aggregate amount of NTS Entry Capacity (of all Capacity Allocation Types) which National Grid NTS estimates will be held at Entry Points for the Gas Year, Fully-Adjusted (as provided in TPD Section B2.1.7(d)) each Day, Excluding Existing Available Holding for Storage Site Points, on the basis in paragraph 2.2.3; and | ***Amend B2.11.7***2.11.7 The Entry Transmission Services Revenue Recovery Charge payable by a User or National Grid NTS in respect of each Day will be determined for each Aggregate System Entry Point, as the User's Fully Adjusted Available NTS Entry Capacity, excluding Existing Available Holding for Storage Connection Points multiplied by the Applicable Daily Rate for such charge as determined in accordance with Section 3 of the NTS Transportation Charging Methodology and set out in the Transportation Statement. | No impact |
|  | NTS Optional Charge: | ***Add wording to Y2.1.9***2.1.9 Where the value of any Reserve Price determined under this paragraph 2 or NTS Optional Capacity Charge [Rate] determined under paragraph 5 would (pursuant to rounding under paragraph 1.9) be rounded down to have a value of zero, the Reserve Price or NTS Optional Capacity Charge [Rate] shall be rounded up to the minimum non- zero value under paragraph 1.9.***Add wording to Y4.7.2(b)***(a) the “**Forecast Aggregate NTS Quantity**” is the sum of:1. the aggregate quantity of gas which National Grid NTS estimates will be delivered by Users to the NTS at all Entry Points in the Gas Year, excluding Excluded Storage Quantities and less Forecast NOCC ADQ; and
2. the aggregate quantity of gas which National Grid NTS estimates will be offtaken by Users from the NTS at all Exit Points in the Gas Year, excluding Excluded Storage Quantities and less Forecast NOCC ADQ; and

***Add new paragraph 4.7.2(d)***4.7.2(d) "**Forecast NOCC ADQ**" is the aggregate quantity which National Grid NTS estimates will be counted in the Gas Year as Applicable Daily Quantity (and for which, pursuant to TPD Section B8, NTS Optional Capacity Charges will be payable in substitution for General Non-Transmission Service Charges) pursuant to NOCC Elections.***Add a new Y5 - see attachment #5*** | ***Add wording to B1 – B3 as shown in attachment #3*** ***Add a new B8 – see attachment #4******Amend TPD G*** Replace the words “NTS Optional Commodity Rate” with “NTS Optional Capacity Charge” in G2.3.2(g), G2.3.9(a), G2.4.2(l)(i) and 2.5.8(b)(ii). Replace the words “NTS Optional Commodity Rate” with “Applicable Daily Rate of the NTS Optional Capacity Charge” in the final row of the table in TPD Annex G-1, paragraph 10.***Amend TPD E***Replace the words "NTS Commodity Charges" with "General Non-Transmission Services Charges" in E1.3.4(c), E6.4.1 and E6.4.2(a)(i) and (b)(i). Replace the words "NTS Commodity Charge" with "General Non-Transmission Services Charge” in E6.2.6. | ***Replace paragraph 25.6 with*** ***the wording at attachment #7*** |

| *0678I – Gazprom* |  |
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| **#** | **Commercial Business Rule Topic** | **Legal text impact** |  |
| **Methodology impact (TPD Y)** | **TPD B/E/G impact (where relevant)** | **Transitional Rules impact** |
|  | Reference Price methodology – inclusion of NTS optional charges | ***Add wording to Y2.1.3(d)***(d) for each Entry Point and Exit Point, divideEntry Point Allowed Revenue or Exit Point Allowed Revenue by Forecast Contracted Capacity to determine provisional reference price [and optional charges], and then scale to reflect the revenue shortfall implied by the multipliers and discounts referred to below, to determine Reference Price; | No impact  | No impact |
|  | National Grid Forecast (excluding Existing Contract capacity). Methodology not in UNC. Includes eligible sites for Wheeling Charge. Methodology change limit (once every 4 years) | ***Add a new 2.5.2(c)***2.5.2 National Grid NTS shall:(c) not change the FCC Methodology with effect from a Gas Year earlier than the fourth Gas Year after the Gas Year for which the FCC Methodology was most recently changed or (in the case of the first FCC Methodology) was first effective. | No impact | ***Add a new paragraph 25.3.4***25.3.4 For the purposes of Section  2.5.2(c):1. the first Gas Year for which the FCC Methodology is effective is the Gas Year starting on the Modification Effective Date:
2. notwithstanding that Section, National Grid NTS may change the FCC Methodology (subject to and in accordance with the further provisions of Section 2.5.2) with effect from the Gas Year following the first Gas Year.
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|  | Ireland Security Discount | ***Add a new Y2.12***2.12       **Moffat Discount**Where a User holds Registered NTS Exit (Flat) Capacity at the NTS Exit Point at Moffat, for an amount of such NTS Exit (Flat) Capacity determined each Day in accordance with TPD Section B3.12.5, a discount of 95% shall be applied to the Applicable Daily Rate of the Capacity Charge; and accordingly the "**Discounted Applicable Daily Rate**" is 5% of the Applicable Daily Rate. | ***Add a new B3.12.5***B3.12.5 In relation to the NTS Exit Point at Moffat, for each Day, a User shall pay NTS Exit (Flat) Capacity Charges:(a)        at the Discounted Applicable Daily Rate (as provided in Section 2.12 of the NTS Transportation Charging Methodology) in respect of an amount of the User's Registered NTS Exit (Flat) Capacity determined as follows: [/];(b)        at the Applicable Daily Rate in respect of the balance on the Day of the User's Registered NTS Exit (Flat) Capacity. | No impact |
|  | Revenue recovery within-year revisions limited to once per annum | ***Insert new Y3.3.4***3.3.4 In relation to a Gas Year, National Grid NTS may not revise the Entry Transmission Services Revenue Recovery Charge on more than one occasion, and may not revise the Exit Transmission Services Revenue Recovery Charge on more than one occasion. | No impact | No impact |
|  | Wheeling charge | ***Add a new Y5 - see attachment #10*** ***[Add wording to Y2.1.9***2.1.9 Where the value of any Reserve Price determined under this paragraph 2 or NTS Optional Wheeling Charge [Rate] determined under paragraph 5 would (pursuant to rounding under paragraph 1.9) be rounded down to have a value of zero, the Reserve Price or NTS Optional Wheeling Charge [Rate] shall be rounded up to the minimum non- zero value under paragraph 1.9.] | ***Amends to B1-B3 but adapted to Gazprom terminology to follow******Add a new B8 – see attachment #11*** |  |
|  | Modification implementation (effective date) | No impact | No impact | ***Amend paragraph 25 as shown in attachment #8*** |

| *0678J – South Hook Gas Company* |
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| **#** | **Commercial Business Rule Topic** | **Legal text impact** |  |
| **Methodology impact (TPD Y)** | **TPD B/E/G impact (where relevant)** | **Transitional Rules impact** |
|  | Reference Price methodology - Postage Stamp model with adjustment to minimise Revenue Recovery | ***Amend Y2.1.3 – delete (b) and (c) and replace with*** (b) for each Entry Point and Exit Point:1. determine Forecast Contracted Capacity; and
2. on the basis of the Forecast Contracted Capacity, determine Capacity Weighting;

(c) on the basis of Capacity Weighting, allocate Allowed Transmission Services Entry Revenue between Entry Points and Allowed Transmission Services Exit Revenue between Exit Points, to determine Entry Point Allowed Revenue for each Entry Point and Exit Point Allowed Revenue for each Exit Point;***Add a new Y2.1.10***2.1.10 At the same time it publishes the information under paragraph 1.7.2 for a Gas Year National Grid NTS will publish a simplified version of its model for determining reserve pricing.***Delete Y2.4.3 and renumber the subsequent paragraphs*** ***Amend Y2.6.1 and Y2.6.2**** 1. **NTS Point Allowed Revenue**
		1. The “**Entry Point Allowed Revenue**” (AREn,y, in £) for an Entry Point for a Gas Year is determined as follows:

AREn,y = NATSEnRy \* CAPWEn where, for the Entry Point and Gas Year:NATSEnRy is Net Allowed Transmission Services Entry Revenue; andCAPWEn is the Capacity Weighting determined in accordance with paragraph 2.7.1.* + 1. The “**Exit Point Allowed Revenue**” (AREx,y, in £) for an Exit Point for a Gas Year is determined as follows:

AREx,y = ATSExRy \* CAPWExwhere, for the Entry Point and Gas Year:ATSExRy is Allowed Transmission Services Exit Revenue; andCAPWEx is the Capacity Weighting determined in accordance with paragraph 2.7.2.***Amend Y2.7.1 and 2.7.2**** 1. **Capacity Weighting**
		1. The Capacity Weighting (CAPWEn) for an Entry Point for a Gas Year is determined as follows:

CAPWEn = NCAPEn,y / ∑En NCAPEn,y  Where, for the Entry Point and Gas Year:NCAPEn,y is Net Forecast Contracted Capacity; and where∑En is the sum over all Entry Points.* + 1. The Capacity Weighting (CAPWEx) for an Exit Point for a Gas Year is determined as follows:

CAPWEx = CAPEx,y / ∑Ex CAPEx,y  where for the Exit Point and Gas Year:CAPEx,y is Forecast Contracted Capacity; and where∑Ex is the sum over all Exit Points.**Delete Y2.8 and renumber the subsequent paragraphs** | No impact | No impact |
|  | NTS Optional Charge: | ***Add wording to Y2.1.9***2.1.9 Where the value of any Reserve Price determined under this paragraph 2 or NTS Optional Capacity Charge [Rate] determined under paragraph 5 would (pursuant to rounding under paragraph 1.9) be rounded down to have a value of zero, the Reserve Price or NTS Optional Capacity Charge [Rate] shall be rounded up to the minimum non- zero value under paragraph 1.9.***Add wording to Y4.7.2(b)***(a) the “**Forecast Aggregate NTS Quantity**” is the sum of:1. the aggregate quantity of gas which National Grid NTS estimates will be delivered by Users to the NTS at all Entry Points in the Gas Year, excluding Excluded Storage Quantities and less Forecast NOCC ADQ; and
2. the aggregate quantity of gas which National Grid NTS estimates will be offtaken by Users from the NTS at all Exit Points in the Gas Year, excluding Excluded Storage Quantities and less Forecast NOCC ADQ; and

***Add new paragraph 4.7.2(d)***4.7.2(d) "**Forecast NOCC ADQ**" is the aggregate quantity which National Grid NTS estimates will be counted in the Gas Year as Applicable Daily Quantity (and for which, pursuant to TPD Section B8, NTS Optional Capacity Charges will be payable in substitution for General Non-Transmission Service Charges) pursuant to NOCC Elections.***Add a new Y5 - see attachment #5*** | ***Add wording to B1 – B3 as shown in attachment #3*** ***Add a new B8 – see attachment #4******Amend TPD G*** Replace the words “NTS Optional Commodity Rate” with “NTS Optional Capacity Charge” in G2.3.2(g), G2.3.9(a), G2.4.2(l)(i) and 2.5.8(b)(ii). Replace the words “NTS Optional Commodity Rate” with “Applicable Daily Rate of the NTS Optional Capacity Charge” in the final row of the table in TPD Annex G-1, paragraph 10.***Amend TPD E***Replace the words "NTS Commodity Charges" with "General Non-Transmission Services Charges" in E1.3.4(c), E6.4.1 and E6.4.2(a)(i) and (b)(i). Replace the words "NTS Commodity Charge" with "General Non-Transmission Services Charge” in E6.2.6. | ***Replace paragraph 25.6 with*** ***the wording at attachment #7*** |