

To the Company Secretary:

National Grid Gas plc
Company Number: 02006000

DIRECTIONS ISSUED BY THE GAS AND ELECTRICITY MARKETS AUTHORITY TO NATIONAL GRID GAS PLC UNDER THE SPECIAL CONDITIONS OF ITS GAS TRANSPORTER LICENCE IN RESPECT OF THE ANNUAL ITERATION PROCESS FOR THE RIIO-GT1 PRICE CONTROL FINANCIAL MODEL

WHEREAS

1. National Grid Gas plc ('the licensee') is the holder of a gas transporter licence ('the licence') granted or treated as granted, with respect to its National Transmission System, under section 7 of the Gas Act 1986 ('the Act').
2. For the purposes of these directions:
 - (a) the expression 'Formula Year t' has the same meaning as in Special Condition 1A (Definitions) for the purposes of the Special Conditions referred to in these directions, and references to Formula Year t-1 are to be construed accordingly; and
 - (b) Formula Year t is the Formula Year that commences on 1 April 2019 and ends on 31 March 2020 ('Formula Year 2019/20').
3. Special Condition 4B (Annual Iteration Process for the GT1 Price Control Financial Model) requires the Gas and Electricity Markets Authority ('the Authority') to:
 - (a) carry out the Annual Iteration Process for the GT1 Price Control Financial Model (as each of those terms are defined in Special Condition 1A); and
 - (b) direct the value of the term MOD and SOMOD for Formula Year t, for the purposes of the formulae that are specified in Special Condition 2A (Restriction of NTS Transportation Owner Revenue) and Special Condition 3A (Restriction of NTS System Operation Revenue);
by 30 November in Formula Year t-1.
4. The following Special Conditions provide for the Authority to direct revised PCFM Variable Values (as that term is defined in Special Condition 1A) for the licensee for the purpose of the Annual Iteration Process for the GT1 Price Control Financial Model that forms part of Special Condition 4A of the licence:
 - (a) Special Condition 5A (Legacy price control adjustments – NTS Transportation Owner) in respect of LAR values (and the component term values TAR, CAR, and SAR) and LRAV values (and the component term values CRAV, and SRAV) and/or Special Condition 6A (Legacy price control adjustments – NTS System Operator) in respect of SOLAR values (and the component term value SOCAR) and SOLRAV (and its component term value SOCRAV);
 - (b) Special Condition 5B (Determination of PCFM Variable Values for Totex Incentive Mechanism Adjustments – NTS Transportation Owner) in respect of ALC, ARC, AOC, ACO, ANC, ALU, ARU, AOU and ACU values and/or Special Condition 6B (Determination of PCFM Variable Values for Totex Incentive Mechanism Adjustments – NTS System Operator) in respect of SOANC and SOACO values;
 - (c) Special Condition 5C (Specified financial adjustments – NTS Transmission Owner) in respect of EDE, APFE, TTE, TGIE and CDE values and/or Special Condition 6C (Specified financial adjustments – NTS System Operator) in respect of SOEDE, SOAPFE, SOTTE, SOTGIE and SOCDE values;
 - (d) Special Condition 5D (The Innovation Roll-out Mechanism) in respect of IRM values;
 - (e) Special Condition 5E (Arrangements for the recovery of uncertain costs) in respect of IAEEPS, IAEPD, IAEQL, IAENF, PTV, IAEIE, and IAEAH values and/or Special Condition 6D (Arrangements for the recovery of SO uncertain costs) in respect of SOIAEEPS and SOIAECA values;
 - (f) Special Condition 5F (Determination of Incremental Obligated Entry Capacity volumes and the appropriate revenue drivers to apply) in respect of EnCIT values; and
 - (g) Special Condition 5G (Determination of Incremental Obligated Exit Capacity volumes and the appropriate revenue drivers to apply) in respect of ExCIT values.
5. Each of the Special Conditions referred to in paragraph 4:
 - (a) sets out the basis on which any revisions to relevant PCFM Variable Values are to be determined; and, where applicable,
 - (b) specifies the price control financial methodology in accordance with which revisions to the relevant PCFM Variable Value(s) are to be determined and the chapter of the GT1 Price Control Financial Handbook containing that methodology.
6. The reason for these directions is to revise PCFM Variable Values which are used in the Annual Iteration Process for the GT1 Price Control Financial Model. The Annual Iteration Process is used to calculate values for the terms MOD and SOMOD that are used in the formulae set out in Special Condition 2A (Restriction of NTS Transportation Owner Revenue) and Special Condition 3A (Restriction of NTS System Operation Revenue) respectively.
7. In accordance with requirements set out in the Special conditions referred to in paragraph 4, on 14 November 2018 the Authority gave notice of the revised PCFM Variable Values that it proposed to direct by 30 November in Formula Year t-1 and specified that any representations concerning the proposed values should be made within fourteen days of receiving the notice.
8. The Authority received no representations.

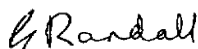
NOW the Authority pursuant to the provisions of the Special Conditions referred to in paragraphs 3 and 4, **HEREBY DIRECTS** that:

- the PCFM Variable Values and component term values referred to in paragraph 4 are to be revised as shown in Schedule 1 to these directions; and
- the terms MOD and SOMOD for the licensee for Formula Year 2019/20 are to take the values -£111.6m and £28.8m.

Schedule 2 to these directions shows the complete PCFM Variable Values Table (as that term is defined in Special Condition 1A) including the values revised under these directions (in bold font) and the values that have not been revised under these directions.

This constitutes notice of the reasons for the Authority's decision pursuant to section 38A of the Act.

Geoffrey Randall



Deputy Director, Network Price Controls

Duly authorised on behalf of the Gas and Electricity Markets Authority
30 November 2018

SCHEDULE 1 TO THE AUTHORITY'S DIRECTIONS - REVISIONS TO VARIABLE VALUES (shown to 1 d.p., except CDE shown to 2 d.p.)

NGGT TO				Regulatory Year Ending									
PCFM Variable Value				Special Condition	Price Base / Units	31 March 2014	31 March 2015	31 March 2016	31 March 2017	31 March 2018	31 March 2019	31 March 2020	31 March 2021
CDE	Allowed percentage cost of debt	5C	Annual Real %	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	1.91%	1.58%	1.58%	
ALC	Actual load related capex expenditure	5B	£m 09/10 Prices	3.0	No Revision	No Revision	No Revision	No Revision	2.1	No Revision	No Revision	No Revision	
ARC	Actual asset replacement capex expenditure	5B	£m 09/10 Prices	48.2	46.0	62.0	78.6	99.3	No Revision	No Revision	No Revision	No Revision	
AOC	Actual other capex expenditure	5B	£m 09/10 Prices	25.7	No Revision	23.5	12.2	35.2	No Revision	No Revision	No Revision	No Revision	
ACO	Actual controllable opex	5B	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	84.6	No Revision	No Revision	No Revision	No Revision	
ANC	Actual non-operational capex	5B	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	14.3	No Revision	No Revision	No Revision	No Revision	
ALU	Actual load related capex (uncertain)	5B	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	
ARU	Actual asset replacement capex expenditure (uncertain)	5B	£m 09/10 Prices	No Revision	3.8	2.4	No Revision	42.8	No Revision	No Revision	No Revision	No Revision	
AOU	Actual other capex expenditure (uncertain)	5B	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	17.8	No Revision	No Revision	No Revision	No Revision	
ACU	Actual controllable opex (uncertain)	5B	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	8.3	No Revision	No Revision	No Revision	No Revision	
IAEPPS	Uncertain costs - Enhanced Physical Site Security	5E	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	
IAEPD	Uncertain costs – Pipeline Diversion Costs	5E	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	
IAEQL	Uncertain costs (Quarry & Loss Costs), uncertainty rate	5E	£m 09/10 Prices	3.5	2.0	2.1	2.9	3.7	2.6	1.5	0.9		
IRM	Innovation Roll out mechanism	5D	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	
ENCI	Incremental Obligated entry capacity, uncertainty rate	5F	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	
EXCI	Incremental Obligated exit capacity, uncertainty rate	5G	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	
IAENF	Uncertain costs – Network Flexibility Costs	5E	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	
PTV	Uncertain costs - PARCA Termination Value	5E	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	-0.1	No Revision	No Revision	No Revision	No Revision	
IAEIE	Uncertain costs – Industrial Emissions	5E	£m 09/10 Prices	No Revision	-2.3	-16.6	-50.5	-67.9	-67.9	-47.5	-34.7		
IAEAH	Uncertain costs – One Off Asset Health Costs	5E	£m 09/10 Prices	0.1	3.7	2.0	22.0	40.0	38.6	4.4	0.6		
TGIE	Tax liability – gearing/interest costs	5C	£m Nominal	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	
TTE	Tax liability – tax trigger events	5C	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	-0.5	-0.5	No Revision		
APFE	Pension Scheme Administration and Pension Protection Fund levy	5C	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	
EDE	Pension Scheme Established Deficit	5C	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	
LAR	Legacy price control adjustments to allowed revenue	5A	£m 09/10 prices	6.6									
LRAV	Legacy price control adjustments to RAV	5A	£m 09/10 prices	26.5									

NGGT TO		Financial Handbook	Price Base	
Incremental Legacy Adjustments used to calculate LAR				
SAR	Logged up and security costs adjustments	Chapter 11	£m 09/10 Prices	12.6
TAR	Gearing levels and corporate debt interest cost adjustments	Chapter 11	£m 09/10 Prices	0.0
CAR	Capex Rolling Incentive adjustments	Chapter 11	£m 09/10 Prices	-6.0
Incremental Legacy Adjustments used to calculate LRAV				
SRAV	Logged up and security costs adjustments	Chapter 11	£m 09/10 Prices	0.9
CRAV	Capex Rolling Incentive adjustments	Chapter 11	£m 09/10 Prices	25.6

SCHEDULE 1 TO THE AUTHORITY'S DIRECTIONS - REVISIONS TO VARIABLE VALUES (shown to 1 d.p., except CDE shown to 2 d.p.)

NGGT SO				Regulatory Year Ending									
PCFM Variable Value				Special Condition	Price Base / Units	31 March 2014	31 March 2015	31 March 2016	31 March 2017	31 March 2018	31 March 2019	31 March 2020	31 March 2021
SOCDE	Allowed percentage cost of debt	6C	Annual Real %	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	1.91%	1.58%	1.58%	
SOANC	Actual non-operational capex	6B	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	20.8	No Revision	No Revision	No Revision		
SOACO	Actual controllable opex	6B	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	47.1	No Revision	No Revision	No Revision		
SOIAEEPS	Uncertain costs - Enhanced Physical Site Security	6D	£m 09/10 Prices	No Revision	No Revision	2.3	3.1	7.5	13.7	11.8	9.9		
SOIAECA	Uncertain costs – Central Agency Costs	6D	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision		
SOTGIE	Tax liability - gearing/interest costs	6C	£m Nominal	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision		
SOTTE	Tax liability - tax trigger events	6C	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision		
SOAPFE	Pension scheme administration and Pension Protection Fund Levy	6C	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision		
SOEDE	Pension Scheme Established Deficit	6C	£m 09/10 Prices	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision	No Revision		
SOLAR	Legacy price control adjustments to allowed revenue	6A	£m 09/10 Prices	No Revision									
SOLRAV	Legacy price control adjustments to RAV	6A	£m 09/10 Prices	No Revision									

SCHEDULE 2 TO THE AUTHORITY'S DIRECTIONS - VARIABLE VALUE TABLE

Variable Name	Special Condition	Price Base / Units	Term	Regulatory Year Ending							
				31 March 2014	31 March 2015	31 March 2016	31 March 2017	31 March 2018	31 March 2019	31 March 2020	31 March 2021
Allowed percentage cost of debt	5C	Annual Real %	CDE	2.92%	2.72%	2.55%	2.38%	2.22%	1.91%	1.58%	1.58%
Actual load related capex expenditure	5B	£m 09/10 Prices	ALC	3.0	1.2	1.1	1.4	2.1	-	-	-
Actual asset replacement capex expenditure	5B	£m 09/10 Prices	ARC	48.2	46.0	62.0	78.6	99.3	-	-	-
Actual other capex expenditure	5B	£m 09/10 Prices	AOC	25.7	28.4	23.5	12.2	35.2	-	-	-
Actual controllable opex	5B	£m 09/10 Prices	ACO	65.8	69.6	69.8	78.8	84.6	-	-	-
Actual non-operational capex	5B	£m 09/10 Prices	ANC	10.5	10.0	11.1	18.0	14.3	-	-	-
Actual load related capex (uncertain)	5B	£m 09/10 Prices	ALU	-	-	-	-	-	-	-	-
Actual asset replacement capex expenditure (uncertain)	5B	£m 09/10 Prices	ARU	-	3.8	2.4	25.0	42.8	-	-	-
Actual other capex expenditure (uncertain)	5B	£m 09/10 Prices	AOU	30.6	19.9	12.1	3.2	17.8	-	-	-
Actual controllable opex (uncertain)	5B	£m 09/10 Prices	ACU	5.1	3.6	5.1	6.4	8.3	-	-	-
Uncertain costs - Enhanced Physical Site Security	5E	£m 09/10 Prices	IAEEPS	26.9	18.2	10.8	12.7	32.0	32.7	20.5	6.4
Uncertain costs – Pipeline Diversion Costs	5E	£m 09/10 Prices	IAEPD	-	-	-	-	-	-	-	-
Uncertain costs (Quarry & Loss Costs), uncertainty rate	5E	£m 09/10 Prices	IAEQL	3.5	2.0	2.1	2.9	3.7	2.6	1.5	0.9
Innovation Roll out mechanism	5D	£m 09/10 Prices	IRM	-	-	-	-	-	-	-	-
Incremental Obligated entry capacity, uncertainty rate	5F	£m 09/10 Prices	ENCI	-	-	-	-	-	-	-	-
Incremental Obligated exit capacity, uncertainty rate	5G	£m 09/10 Prices	EXCI	-	-	-	-	-	-	-	-
Uncertain costs – Network Flexibility Costs	5E	£m 09/10 Prices	IAENF	-	-	-	-	-	-	-	-
Uncertain costs - PARCA Termination Value	5E	£m 09/10 Prices	PTV	-	-	-	(0.0)	(0.1)	-	-	-
Uncertain costs – Industrial Emissions	5E	£m 09/10 Prices	IAEIE	-	(2.3)	(16.6)	(50.5)	(67.9)	(67.9)	(47.5)	(34.7)
Uncertain costs – One Off Asset Health Costs	5E	£m 09/10 Prices	IAEAH	0.1	3.7	2.0	22.0	40.0	38.6	4.4	0.6
Tax liability – gearing/interest costs	5C	£m Nominal	TGIE	-	-	-	-	-	-	-	-
Tax liability – tax trigger events	5C	£m 09/10 Prices	TTE	-	-	-	-	(0.4)	(0.5)	(0.5)	-
Pension Scheme Administration and Pension Protection Fund levy	5C	£m 09/10 Prices	APFE	2.7	2.6	2.6	2.7	2.6	1.5	1.5	1.5
Pension Scheme Established Deficit	5C	£m 09/10 Prices	EDE	26.4	26.4	49.4	49.4	49.4	25.7	25.7	25.7
Legacy price control adjustments to allowed revenue	5A	£m 09/10 prices	LAR	6.6							
Legacy price control adjustments to RAV	5A	£m 09/10 prices	LRAV	26.5							

SCHEDULE 2 TO THE AUTHORITY'S DIRECTIONS - VARIABLE VALUE TABLE

Variable Name	Special Condition	Price Base / Units	Term	Regulatory Year Ending								
				31 March 2014	31 March 2015	31 March 2016	31 March 2017	31 March 2018	31 March 2019	31 March 2020	31 March 2021	
Allowed percentage cost of debt	6C	Annual Real %	SOCDE	2.92%	2.72%	2.55%	2.38%	2.22%	1.91%	1.58%	1.58%	
Actual non-operational capex	6B	£m 09/10 Prices	SOANC	17.7	27.3	35.8	26.8	20.8	-	-	-	
Actual controllable opex	6B	£m 09/10 Prices	SOACO	41.7	46.5	47.6	48.0	47.1	-	-	-	
Uncertain costs - Enhanced Physical Site Security	6D	£m 09/10 Prices	SOIAEEPS	12.6	-	2.3	3.1	7.5	13.7	11.8	9.9	
Uncertain costs – Central Agency Costs	6D	£m 09/10 Prices	SOIAECA	13.5	12.5	18.3	23.9	16.0	17.7	17.6	15.3	
Tax liability - gearing/interest costs	6C	£m Nominal	SOTGIE	-	-	-	-	-	-	-	-	
Tax liability - tax trigger events	6C	£m 09/10 Prices	SOTTE	-	-	-	-	-	-	-	-	
Pension scheme administration and Pension Protection Fund Levy	6C	£m 09/10 Prices	SOAPFE	-	-	-	-	-	0.1	0.1	0.1	
Pension Scheme Established Deficit	6C	£m 09/10 Prices	SOEDE	0.2	0.2	0.8	0.8	0.8	1.4	1.4	1.4	
Legacy price control adjustments to allowed revenue	6A	£m 09/10 Prices	SOLAR	0.3								
Legacy price control adjustments to RAV	6A	£m 09/10 Prices	SOLRAV	(3.0)								