Procurement Guidelines Report

For the Period 01 April 2017 – 31 March 2018

CONTENTS

		Page
utive Summary		3
Introduction		4
Purpose of the document		4
Reporting Period		4
Procurement of System Manag	gement Services	5
Definition of System Manageme	nt Services	5
System Management Services F	Procured	5
ce Component Table 1		
Operating Margins (OM) Constrained Storage Shrinkage Entry Capacity Management Exit Capacity Management Gas Balancing OCM Collateralisation Costs	6 11 12 14 19 24 28	
	Introduction Purpose of the document Reporting Period Procurement of System Manageme Definition of System Manageme System Management Services F Ce Component Table 1 Operating Margins (OM) Constrained Storage Shrinkage Entry Capacity Management Exit Capacity Management Gas Balancing	Introduction Purpose of the document Reporting Period Procurement of System Management Services Definition of System Management Services System Management Services Procured Ice Component Table 1 Operating Margins (OM) 6 Constrained Storage 11 Shrinkage 12 Entry Capacity Management 14 Exit Capacity Management 19 Gas Balancing 24

Executive Summary

National Grid has been given discretion with regard to the procurement of System Management Services, subject to an obligation under its Gas Transporter (GT) Licence to operate the system in an efficient, economic and co-ordinated manner, and taking into account its (System Operator) SO incentives.

National Grid confirms that System Management Services during the period covered by this report have been procured in accordance with the principles set out in the prevailing Procurement Guidelines, and therefore National Grid considers that such activities satisfy its relevant Licence obligations.

1. Introduction

1.1 Purpose of the document

This document is the Procurement Guidelines Report ("Report") which National Grid is required to publish in accordance with Special Condition 8a.8 of its GT Licence. This Report provides information in respect of the procurement of System Management Services referred to in the Procurement Guidelines. The Procurement Guidelines set out the kinds of System Management Services which National Grid may be interested in purchasing, together with the mechanisms by which National Grid envisages purchasing such services.

This Report, which has been developed in consultation with the Authority, covers each of the services detailed in Table 1 of the Procurement Guidelines, and identifies contractual and market-related information for each of the services.

Terms used within this report shall have the same meaning given to them in National Grid's GT Licence and the Uniform Network Code, as the case may be.

Further copies of this Report may be obtained from https://www.nationalgrid.com/uk/about-grid/how-we-are-regulated/gas-industry-compliance

Or from:

Steven Fisher National Grid Warwick CV34 6DA

E-mail: incentives@nationalgrid.com

1.2 Reporting Period

This Report has been prepared in accordance with Part B of Special Condition 8a.8. This Condition states that the Report should be produced within one month of the start of the formula year.

The report includes details of System Management Services procured in relation to the gas flow period 1 April 2017 to 31 March 2018 inclusive.

This reporting period covers the last month of the Storage Year 2016/2017 (April 2017) and the majority of Storage Year 2017/2018 (May 2017 to March 2018).

2. Procurement of System Management Services

2.1 Definition of System Management Services

Special Condition 8a.8 Part K of National Grid's GT Licence defines the System Management Services as the "services in relation to the balancing of gas inputs to and gas off takes from the NTS and includes balancing trades and balancing trade derivatives and constraint management services".

Table 1 in the Procurement Guidelines Report summarises the above System Management Services as being required for the following applications:

- 1. Operating Margins Gas
- 2. Constrained Storage
- 3. Shrinkage
- 4. Entry Capacity Management
- 5. Exit Capacity Management
- 6. Gas Balancing
- 7. OCM Collateralisation Costs

2.2 System Management Services Procured

The services National Grid procured in this period are summarised in Table 1.

1. Operating Margins (OM)

The purpose of an OM system management service is to ensure Operational Balancing capability in the event of a supply failure, demand forecast change or plant failure. In addition, a quantity of OM is held in reserve to manage the orderly run-down of the system in an emergency.

Service	Component Description and Details
Component	
Holdings	National Grid (OM) procured this service at the following facilities:
Contracts	 Aldbrough storage facility
(Capacity and	 Hatfield Moor storage facility
Deliverability	Hill Top Farm storage facility
Arrangements)	 Hole House Farm storage facility
,	 Holford storage facility
	Hornsea storage facility
	 Humbly Grove storage facility
	Stublach storage facility
	 Rough storage facility
	 Dragon LNG
	Grain LNG Importation terminal
	 Power Stations
	Bacton BBL

1. Operating Margins (OM)

The purpose of an OM system management service is to ensure Operational Balancing capability in the event of a supply failure, demand forecast change or plant failure. In addition, a quantity of OM is held in reserve to manage the orderly run-down of the system in an emergency.

Service	Component Desc	cription and Details				
Component						
Holdings Contracts (Capacity Arrangements)	For the period 1 April 2017 – 31 March 2018, National Grid (OM) procured Operating Margins as follows:					
	Month	Contract Type	Space (kWh)	Average Unit cost (p/kWh/annum)		
	Apr-17	Capacity Contracts	440,668,520	0.9742		
	May-17 to Mar-18	Capacity Contracts	554,255,068	1.0577		

)

For the period 1 April 2017 – 31 March 2018, National Grid (OM) procured Operating Margins as follows:

Month	Contract Type	OM Deliverability (kWh/d)	Average Price (p/kWh/d/annum)
Apr-17	Delivery Contracts	270,636,080	2.3290
May-17 to Mar-18	Delivery Contracts	350,935,984	1.5093

1. Operating Margins (OM)

The purpose of an OM system management service is to ensure Operational Balancing capability in the event of a supply failure, demand forecast change or plant failure. In addition, a quantity of OM is held in reserve to manage the orderly run-down of the system in an emergency.

Service Component	Component Des	scription and De	etails					
Gas Procurement	National Grid (OM) utilises this service to address an Operating Margins gas deficit at a given storage factor where National Grid holds Operating Margins Capacity Arrangements. National Grid (OM) either issues a tendor Users to meet its requirements or injects gas that has been withdrawn from storage facilities with an Oper Margins gas surplus. Typically, National Grid invites Users to offer to sell gas either in store or at the NBP alth National Grid may contract for the purchase of OM gas (as to all or any part of its requirements). For the period 1 April 2017 – 31 March 2018, National Grid (OM) procured this service as follows:							
					•	•		
					NBP weighted average price	ws:		
	For the period 1 /	April 2017 – 31 M In-store quantity	larch 2018, National (Grid (OM) procured this In-store weighted average price	NBP weighted	ws:		

Gas Disposal

National Grid (OM) utilises this service to address a gas surplus at a given storage facility where National Grid holds or has held Operating Margins Capacity Arrangements. National Grid (OM) either issues a tender to Users to meet its requirements or withdraws gas to inject into storage facilities with an Operating Margins gas deficit. Typically, National Grid invites Users to bid to buy gas either in store or at the NBP.

For the period 1 April 2017 – 31 March 2018, National Grid (OM) procured this service as follows:

Month	In-store quantity (kWh)	NBP quantity (kWh)	In-store weighted average price (p/kWh)	NBP weighted average price (p/kWh)
Apr-17	127,000,000	0	1.3454	N/A
Jun-17	0	60,000,000	N/A	1.0844

1. Operating Margins (OM)

The purpose of an OM system management service is to ensure Operational Balancing capability in the event of a supply failure, demand forecast change or plant failure. In addition, a quantity of OM is held in reserve to manage the orderly run-down of the system in an emergency.

Service	Component Description and Details
Component	
OM Transfer	National Grid (OM) utilises this service to address a gas-in-store surplus or deficit by transferring OM gas
between	between Storage Facilities.
Storage	
Facilities	For the period 1 April 2017 – 31 March 2018, National Grid transferred 47,205,582 kWh of OM Gas between Storage Facilities.
OM Utilisation	National Grid (OM) utilises Operating Margins services to ensure Operational Balancing capability in the event of a supply failure, demand forecast change or plant failure.
	National Grid utilised Gas Operating Margins services on the 1 st March 2018.

Table 1 - Services Procured 2. Constrained Storage The purpose of a Constrained Storage service is to economically meet 1 in 20 capacity obligations at the network extremities. For the period 1 April 2017 – 31 March 2018, no constrained services were procured.

3. Shrinkage

Sarvica

Trades

The NTS Shrinkage Provider manages the risk exposure associated with the shrinkage account. Shrinkage covers gas for own use (running of compressors, vented gas, gas used for preheating) and to cover any gas losses (unidentified theft, meter errors, leakage) and CV shrinkage associated with variations in calorific value of gas. The account is subject to normal cash-out arrangements if the daily gas quantities delivered to the system do not match the Daily Shrinkage Quantities.

National Grid manages this service by trading gas at the beach or at the NBP, following the approval of Network Code Modification Proposals 0579 (Feb 2003) and 0599 (April 2004).

Component Description and Details

Sel vice	Component Description and Details
Component	
NBP	For 1 April 2017 – 31 March 2018, National Grid procured NTS shrinkage via NBP trades as follows:

Month	Total Quantity Purchased (kWh)	Purchase Cost (£)	Weighted Average Purchase Price (p/kWh)	Total Quantity Sold (kWh)	Sell Revenue (£)	Weighted Average Se Price (p/kWl
Apr-17	358,689,597	5,033,454	1.4033	5,245,971	73,142	1.3942
May-17	235,365,320	3,378,505	1.4354	69,106,142	897,763	1.2991
Jun-17	200,050,265	2,895,592	1.4474	78,316,924	928,131	1.1851
Jul-17	342,687,920	4,606,118	1.3441	134,079,983	1,678,595	1.2519
Aug-17	241,490,504	3,305,495	1.3688	293,071	3,850	1.3137
Sep-17	287,854,336	4,034,930	1.4017	1,318,820	20,723	1.5713
Oct-17	313,058,442	4,855,081	1.5509	3,077,246	49,100	1.5956
Nov-17	237,387,510	3,710,850	1.5632	56,738,546	990,550	1.7458
Dec-17	387,176,098	6,594,118	1.7031	586,142	13,900	2.3714
Jan-18	159,518,545	2,809,302	1.7611	0	0	0
Feb-18	193,866,467	3,579,421	1.8463	1,699,812	32,745	1.9264
Mar-18	506,162,924	9,485,345	1.8740	0	0	0

3. Shrinkage

The NTS Shrinkage Provider manages the risk exposure associated with the shrinkage account. Shrinkage covers gas for own use (running of compressors, vented gas, gas used for preheating) and to cover any gas losses (unidentified theft, meter errors, leakage) and CV shrinkage associated with variations in calorific value of gas. The account is subject to normal cash-out arrangements if the daily gas quantities delivered to the system do not match the Daily Shrinkage Quantities.

National Grid manages this service by trading gas at the beach or at the NBP, following the approval of Network Code Modification Proposals 0579 (Feb 2003) and 0599 (April 2004).

Service	Component Description and Details
Component	
Imbalance	From 1 April 2017 – 31 March 2018, National Grid's imbalance cash-out for the NTS shrinkage account was as follows:
Cash-out	

Month	Total Quantity Purchased (kWh)	Purchase Cost (£)	Weighted Average Purchase Price (p/kWh)	Total Quantity Sold (kWh)	Sell Revenue (£)	Weighted Average Sell Price (p/kWh)
Apr-17	4,441,969	61,982	1.3954	3,713,123	47,568	1.2811
May-17	6,085,080	84,875	1.3948	4,893,334	61,807	1.2631
Jun-17	2,992,493	37,648	1.2581	3,460,817	40,885	1.1814
Jul-17	5,007,343	64,511	1.2883	6,490,807	79,040	1.2177
Aug-17	5,555,189	84,907	1.5284	2,567,877	35,164	1.3694
Sep-17	11,812,722	191,215	1.6187	2,530,690	38,289	1.5130
Oct-17	7,386,053	114,895	1.5556	2,550,136	38,530	1.5109
Nov-17	1,479,843	28,763	1.9436	4,212,134	71,777	1.7040
Dec-17	10,218,934	202,924	1.9858	1,547,633	29,372	1.8979
Jan-18	3,856,619	67,172	1.7417	1,042,774	16,938	1.6243
Feb-18	3,219,126	68,472	2.1270	3,429,082	59,484	1.7347
Mar-18	18,583,522	419,664	2.2583	439,895	12,161	2.7646

4. Entry Capacity Management

The purpose of an entry capacity management service is to enable National Grid to efficiently manage firm NTS entry capacity rights. Entry capacity holdings may need to be reduced to either efficiently manage capacity risk exposure or to reduce holdings, and thereby manage flows onto the system. National Grid may buyback firm NTS entry capacity from Users via the Gemini entry capacity system or it may enter into Capacity Management Agreements (CMAs). National Grid may develop further services or enter into contracts that will enable it to better manage both its operational and commercial risks.

Service Component	Component Description and Details					
Buybacks on Gemini	For the period	1 April 2017	7 – 31 March 2018	, National Grid	procured these :	services as follow
	Month	ASEP	No. of days on which offers accepted	No. of offers accepted	Quantity accepted (kWh)	Weighted average price (p/kWh)
	Apr-17	None	0	0	0	0
	May-17	None	0	0	0	0
	Jun-17	None	0	0	0	0
	Jul-17	None	0	0	0	0
	Aug-17	None	0	0	0	0
	Sep-17	None	0	0	0	0
	Oct-17	None	0	0	0	0
	Nov-17	None	0	0	0	0
	Dec-17	None	0	0	0	0
	Jan-18	None	0	0	0	0
	Feb-18	None	0	0	0	0
	Mar-18	None	0	0	0	0

4. Entry Capacity Management

Service

The purpose of an entry capacity management service is to enable National Grid to efficiently manage firm NTS entry capacity rights. Entry capacity holdings may need to be reduced to either efficiently manage capacity risk exposure or to reduce holdings, and thereby manage flows onto the system. National Grid may buyback firm NTS entry capacity from Users via the Gemini entry capacity system or it may enter into Capacity Management Agreements (CMAs). National Grid may develop further services or enter into contracts that will enable it to better manage both its operational and commercial risks.

Component Description and Details

CMAs – Options Agreements	For the period 1 April 20	17 – 31 March 2016	o, National Grid procure	u triese services as ic
	Period	ASEP	Total Quantity Accepted (kWh)	Cost of Option (£)
	Apr-17	None	0	0
	May-17	None	0	0
	Jun-17	None	0	0
	Jul-17	None	0	0
	Aug-17	None	0	0
	Sep-17	None	0	0
	Oct-17	None	0	0
	Nov-17	None	0	0
	Dec-17	None	0	0
	Jan-18	None	0	0
	Feb-18	None	0	0
	Mar-18	None	0	0

4. Entry Capacity Management

The purpose of an entry capacity management service is to enable National Grid to efficiently manage firm NTS entry capacity rights. Entry capacity holdings may need to be reduced to either efficiently manage capacity risk exposure or to reduce holdings, and thereby manage flows onto the system. National Grid may buyback firm NTS entry capacity from Users via the Gemini entry capacity system or it may enter into Capacity Management Agreements (CMAs). National Grid may develop further services or enter into contracts that will enable it to better manage both its operational and commercial risks.

Service	Component Description and Details
Component	
CMAs – Forwards	For the period 1 April 2017 – 31 March 2018, National Grid procured these services as follows:
Agreements	

Month	ASEP	Quantity utilised (kWh)	Total Cost of Forward Buybacks (£)
Apr-17	None	0	0
May-17	None	0	0
Jun-17	None	0	0
Jul-17	None	0	0
Aug-17	None	0	0
Sep-17	None	0	0
Oct-17	None	0	0
Nov-17	None	0	0
Dec-17	None	0	0
Jan-18	None	0	0
Feb-18	None	0	0
Mar-18	None	0	0

4. Entry Capacity Management

Service

The purpose of an entry capacity management service is to enable National Grid to efficiently manage firm NTS entry capacity rights. Entry capacity holdings may need to be reduced to either efficiently manage capacity risk exposure or to reduce holdings, and thereby manage flows onto the system. National Grid may buyback firm NTS entry capacity from Users via the Gemini entry capacity system or it may enter into Capacity Management Agreements (CMAs). National Grid may develop further services or enter into contracts that will enable it to better manage both its operational and commercial risks.

Component Description and Details

001 1100	Component Bosonption and Botano
Component	
CMAs - Options	For the period 1 April 2017 – 31 March 2018, National Grid procured these services as follows:
Utilisation	

Month	ASEP	Quantity utilised (kWh)	Total Cost of utilisation (exercise) (£)	No. of days on which option exercised
Apr-17	None	0	0	0
May-17	None	0	0	0
Jun-17	None	0	0	0
Jul-17	None	0	0	0
Aug-17	None	0	0	0
Sep-17	None	0	0	0
Oct-17	None	0	0	0
Nov-17	None	0	0	0
Dec-17	None	0	0	0
Jan-18	None	0	0	0
Feb-18	None	0	0	0
Mar-18	None	0	0	0

4. Entry Capacity Management

The purpose of an entry capacity management service is to enable National Grid to efficiently manage firm NTS entry capacity rights. Entry capacity holdings may need to be reduced to either efficiently manage capacity risk exposure or to reduce holdings, and thereby manage flows onto the system. National Grid may buyback firm NTS entry capacity from Users via the Gemini entry capacity system or it may enter into Capacity Management Agreements (CMAs). National Grid may develop further services or enter into contracts that will enable it to better manage both its operational and commercial risks.

	Component Description and Details				
the period 1 April	2017 – 31 March 20	18, National Grid procured these services as follows:			
Month	Total Cost (£)				
Apr-17	£50,000.00				
May-17	£48,387.10				
Jun-17	£48,333.33				
Jul-17	£47,580.65				
Aug-17	£49,193.55				
Sep-17	£50,000.00				
Oct-17	£50,000.00				
Nov-17	£50,000.00				
Dec-17	£35,483.87				
Jan-18	0				
Feb-18	0				
Mar-18	0				
	Month Apr-17 May-17 Jun-17 Jul-17 Aug-17 Sep-17 Oct-17 Nov-17 Dec-17 Jan-18 Feb-18	Month Total Cost (£) Apr-17 £50,000.00 May-17 £48,387.10 Jun-17 £48,333.33 Jul-17 £47,580.65 Aug-17 £49,193.55 Sep-17 £50,000.00 Oct-17 £50,000.00 Nov-17 £50,000.00 Dec-17 £35,483.87 Jan-18 0 Feb-18 0			

5. Exit Capacity Management

Service Component	Component Description and Details							
Buybacks on Gemini	For the period 1	April 2017 – 3	11 March 201	8, National Grid	procured thes	e services as fol		
	Month	Exit Point	No. of days on which offers accepted	No. of offers accepted	Quantity accepted (kWh)	Weighted average price (p/kWh)		
	Apr-17	None	0	0	0	0		
	May-17	None	0	0	0	0		
	Jun-17	None	0	0	0	0		
	Jul-17	None	0	0	0	0		
	Aug-17	None	0	0	0	0		
	Sep-17	None	0	0	0	0		
	Oct-17	None	0	0	0	0		
	Nov-17	None	0	0	0	0		
	Dec-17	None	0	0	0	0		
	Jan-18	None	0	0	0	0		
	Feb-18	None	0	0	0	0		
	Mar-18	None	0	0	0	0		

5. Exit Capacity Management

Service Component		Compone	ent Description and D	Details
CMAs – Options Agreements	For the period 1 Apri	l 2017 – 31 March 2018	, National Grid procure	d these services as follow
	Period	Exit Point	Total Quantity Accepted (kWh)	Cost of Option (£)
	Apr-17	None	0	0
	May-17	None	0	0
	Jun-17	None	0	0
	Jul-17	None	0	0
	Aug-17	None	0	0
	Sep-17	None	0	0
	Oct-17	None	0	0
	Nov-17	None	0	0
	Dec-17	None	0	0
	Jan-18	None	0	0
	Feb-18	None	0	0
	Mar-18	None	0	0

5. Exit Capacity Management

Service Component	Component Description and Details For the period 1 April 2017 – 31 March 2018, National Grid procured these services as follows:					
CMAs – Forwards Agreements	For the period 1 April 20	17 – 31 Warch 2018	i, National Grid procur	ea tnese services as		
	Month	Exit Point	Quantity utilised (kWh)	Total Cost of Forward Buybacks (£)		
	Apr-17	None	0	0		
	May-17	None	0	0		
	Jun-17	None	0	0		
	Jul-17	None	0	0		
	Aug-17	None	0	0		
	Sep-17	None	0	0		
	Oct-17	None	0	0		
	Nov-17	None	0	0		
	Dec-17	None	0	0		
	Jan-18	None	0	0		
	Feb-18	None	0	0		
	Mar-18	None	0	0		

5. Exit Capacity Management

Service Component	Component Description and Details						
CMAs – Options Utilisation	For the period 1 April 20	017 – 31 March 20 	018, National Grid p	rocured these servi	ces as follows:		
	Month	Exit Point	Quantity utilised (kWh)	Total Cost of utilisation (option+exercise) (£)	No. of days on which option exercised		
	Apr-17	None	0	0	0		
	May-17	None	0	0	0		
	Jun-17	None	0	0	0		
	Jul-17	None	0	0	0		
	Aug-17	None	0	0	0		
	Sep-17	None	0	0	0		
	Oct-17	None	0	0	0		
	Nov-17	None	0	0	0		
	Dec-17	None	0	0	0		
	Jan-18	None	0	0	0		
	Feb-18	None	0	0	0		
	Mar-18	None	0	0	0		

5. Exit Capacity Management

Service Component		Component De	scription and Details
Flow Management Agreements	For the period 1 April 2017	7 – 31 March 2018, Natio	nal Grid procured these services as follows:
	Month	Total Cost (£)	
	Apr-17	0	
	May-17	0	
	Jun-17	0	
	Jul-17	0	
	Aug-17	0	
	Sep-17	0	
	Oct-17	0	
	Nov-17	0	
	Dec-17	0	
	Jan-18	0	
	Feb-18	0	
	Mar-18	0	

6. Gas Balancing

Service	Component Description and Details						
Component							
OCM trades	National Grid trades on the ICE Endex On-the-day Commodity Market (OCM) day ahead and/or within day to resolve imbalances. OCM trades are deployed to achieve both national system balance and to meet localised requirements. For national system requirements, National Grid trades in all three OCM markets i.e. physical, title and locational. For localised requirements, National Grid only trades in the locational market.						
	During the period 1 April 2017 – 31 March 2018, National Grid carried out the following OCM trades:						

6. Gas Balancing

Service Component	Component Description and Details										
OCM 'Title' trades to address a National Requirement	National 'NBP Title' Trades										
	Month No of Days on Which Trades Accepted		Number of Trade Buys	Number of Trade Sells	Quantity Purchased (kWh)	Quantity Sold (kWh)	Purchase Cost (£)	Sell Revenue (£)			
	Apr-17	10	22	122	46,686,212	341,838,017	£652,023	£4,448,239			
	May-17	4	20	12	48,942,857	35,168,520	£698,665	£445,465			
	Jun-17	9	120	0	273,552,475	0	£3,248,761	£0			
	Jul-17	10	114	0	300,602,930	0	£3,903,106	£0			
	Aug-17	15	153	0	397,697,350	0	£5,965,519	£0			
	Sep-17	15	167	0	427,766,439	0	£6,829,259	£0			
	Oct-17	16	195	0	438,961,748	0	£6,896,003	£0			
	Nov-17	12	160	5	340,665,735	10,286,792	£6,387,835	£159,611			
	Dec-17	16	107	127	274,431,689	291,078,121	£5,855,059	£5,591,348			
	Jan-18	11	113	25	262,327,854	46,422,448	£4,494,813	£797,094			
	Feb-18	12	97	108	216,608,779	273,054,254	£7,014,838	£4,980,381			
	Mar-18	18	91	272	224,375,159	676,525,099	£13,754,166	£11,718,284			

6. Gas Balancing

Service Component	Component Description and Details										
OCM 'Physical' trades to address a											
National	National 'Physical' Trades										
Requirement	Month	No. of days on which trades accepted	No. of Trade buys	No. of Trade sells	Quantity Purchased (kWh)	Quantity Sold (kWh)	Purchase cost (£)	Sell revenue (£)	Weighted Average Purchase Price (p/kWh)	Weighted Average Sell Price (p/kWh)	
		No OCM Physical trades were conducted in this period to address a National Requirement.									
OCM 'Locational' trades to address a					N. d						
National	Manath	No. of	No. of	1	Nation	al 'Locational'	I rades		Mainlete d		
Requirement	Month	No. of days on which trades accepted	No. of Trade buys	No. of Trade sells	Quantity Purchased (kWh)	Quantity Sold (kWh)	Purchase cost (£)	Sell revenue (£)	Weighted Average Purchase Price (p/kWh)	Weighted Average Sell Price (p/kWh)	
	No locational trades were conducted in this period to address a National Requirement.										
Gas Demand Side											
Response Trades	Demand Side Response Trades										
	Month	No. of days on which trades accepted	No. of Trade buys	No. of Trade sells	Quantity Purchased (kWh)	Quantity Sold (kWh)	Purchase cost (£)	Sell revenue (£)	Weighted Average Purchase Price (p/kWh)	Weighted Average Sell Price (p/kWh)	
		No OCN	1 Gas De	mand Sid	le Response	Locational' tra	des to addres	s a National	Requirement		

6. Gas Balancing

Service Component	Component Description and Details									
OCM 'Locational' trades to address										
a Localised	'Locational' Trades									
Requirement	Month	No. of days on which trades accepted	No. of Trade buys	No. of Trade sells	Quantity Purchased (kWh)	Quantity Sold (kWh)	Purchase cost (£)	Sell revenue (£)	Weighted Average Purchase Price (p/kWh)	Weighted Average Sell Price (p/kWh)
		No location	al trades	s were co	nducted in th	is period to	address a L	ocational F	Requirement.	

7. OCM Collateralisation Costs

National Grid, in its role as the residual system balancer, incurs costs from its clearing member relating to provision of security / collateral in order to utilise the OCM for system balancing purposes. These are recovered from Users through the balancing neutrality charge.

For the period 1 April 2017 to 31 March 2018, National Grid incurred costs of £35,253.82.