

### **Gas DSR Workshop**

17<sup>th</sup> July 2023



### Introduction

- Our Gas DSR reform proposals for winter 2023/24 in UNC Modifications
   0844 and 0845 have been developed at pace
- We recognise that interested parties may not have had opportunity to study all the detail
- It was therefore suggested at the July Transmission Workgroup meeting that NGT arranges an extra session to explain some of the detail with some worked examples for both shipper and consumer contracted DSR
- Both shipper and consumer representatives have therefore been invited to this call

### Agenda

- Key Terms
- Exercise triggers
- DSR Exercise: Shipper Options
  - Within-day
  - D-1
  - D-5
  - First day and subsequent days
- DSR Exercise: Consumer Options
  - Within-day
  - D-1
  - D-5
- Next Steps
- Q&A

# **Key Terms**

Term	Definition	
DSR Participant	A shipper or a consumer that enters into a DSR Option arrangement with NGT	
DSR Reduced Quantity	The level of offtake expressed as a daily kWh quantity that is not exceeded if NGT exercises a DSR Option	
DSR Reduced Rate	The DSR Reduced Quantity divided by 24	
Winter Average Demand (WAD)	The daily average demand at a supply point in the previous winter (01 Nov – 30 Apr) excluding any days of DSR exercise or days on which demand was reduced due to an emergency	
Option Quantity	Winter Average Demand minus the DSR Reduced Quantity	

### **Exercise Triggers**

#### Within-day and D-1 DSR Options

• Either a Margins Notice or Gas Balancing Notification is in force

#### D-5 DSR Options

- Where NGT projects on D-5 that total system demand will exceed expected available supply by at least 14 mcm; and
- Where NGT decides to issue a notice (via ANS) to all shippers by 17:00 on D-5 that it intends to exercise D-5 DSR Options

### **Exercise Quantities**

Option	Shipper DSR	Consumer DSR
Within-day	Not less than the relevant prevailing output nomination minus DSR Reduced Quantity, multiplied by number of hours left in the gas day divided by 24*	Option Quantity multiplied by number of hours remaining in the gas day divided by 24
D-1 Not less than the relevant prevailing output nomination minus DSR Reduced Quantity*		Option Quantity
D-5	Not less than the Option Quantity	Option Quantity

<sup>\*</sup> If the prevailing nomination is below the DSR Reduced Quantity or minimum OCM trade size then the option is not exercised

In both cases, the DSR Participant is paid its Option Fee based on the Option Quantity

### **Shipper DSR Exercise: Shipper Obligations**

Option held	Notification trigger	Shipper obligation - first day	Shipper obligation - subsequent days
Within-day	Margins Notice on D-1	Post offer on D by 06:00 on D	Post offer on D by 06:00 on D
	GBN D-1	Post offer on D by 06:00 on D	Post offer on D by 06:00 on D
	GBN within day	Post offer for current day within 60 mins of GBN issue	Post offer for current day by 06:00 if GBN not withdrawn
D-1	Margins Notice on D-1	Post offer on day MN issued for tomorrow within 60 mins of MN issue	Post offer on day MN issued for tomorrow within 60 mins of MN issue
	GBN D-1	Post offer on day GBN issued for tomorrow within 60 mins of GBN issue	Post offer by 09:00 for tomorrow if GBN not withdrawn (OCM opens at 08:00 on D-1)
	GBN within day	Post offer for tomorrow within 60 mins of GBN issue	Post offer by 09:00 for tomorrow if GBN not withdrawn
D-5	Demand forecast > total supplies by >14 mcm and NGT decision to exercise D-5	Post DSR Market Offer by 10:00 on D-1	Post DSR Market Offer by 10:00 on D-1

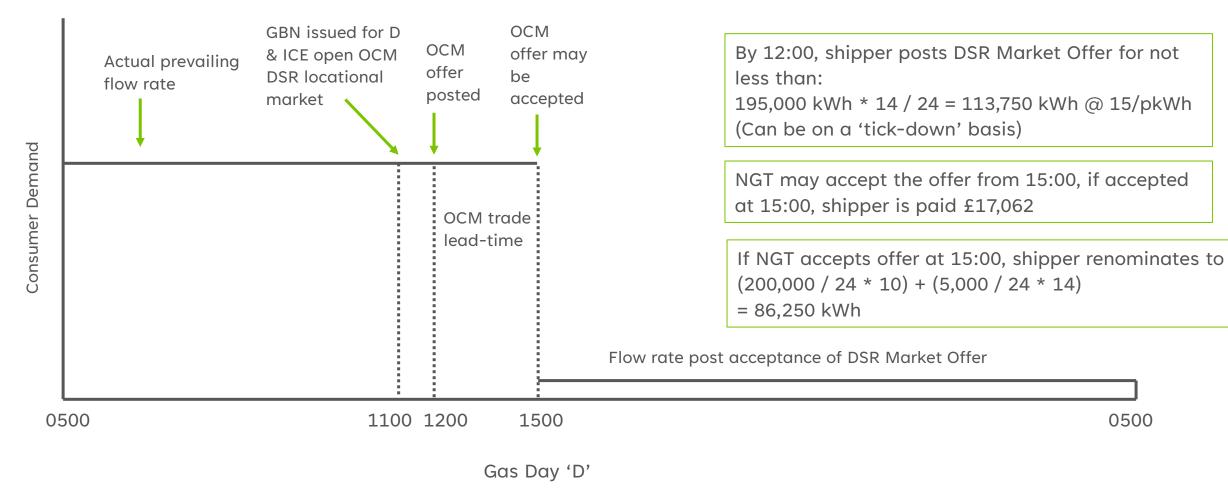
## **Exercise of Shipper DSR Options**

**Worked Examples** 



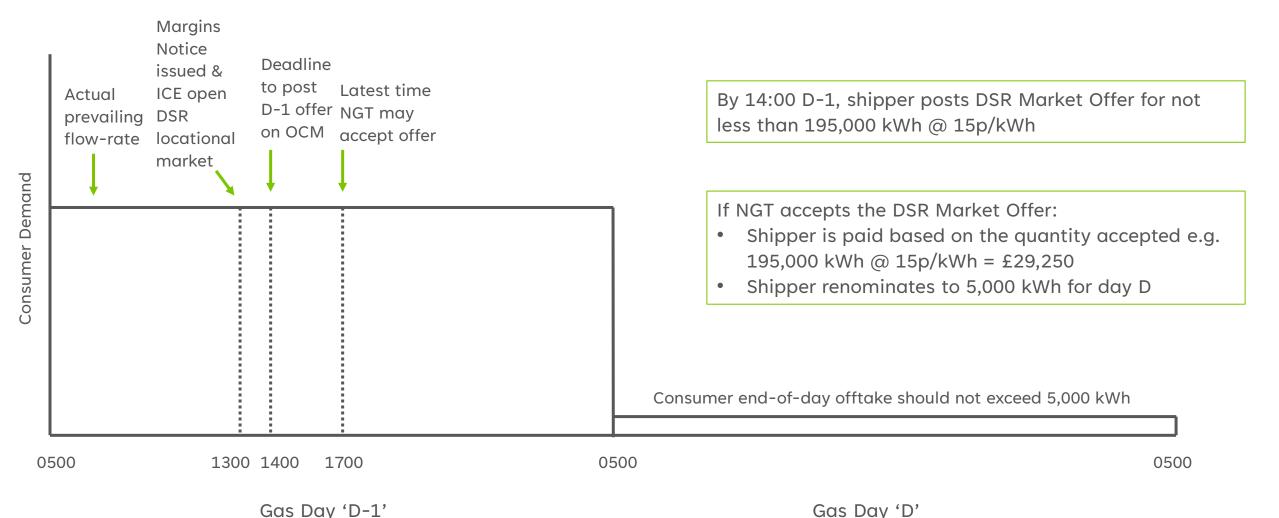
# Shipper DSR: Exercise of Within-Day Option when GBN issued for that day

Prevailing EOD nom = 200,000 kWh
Tendered lead-time = 3 hours
DSR Reduced Quantity = 5,000 kWh
Exercise Price = 15p/kWh



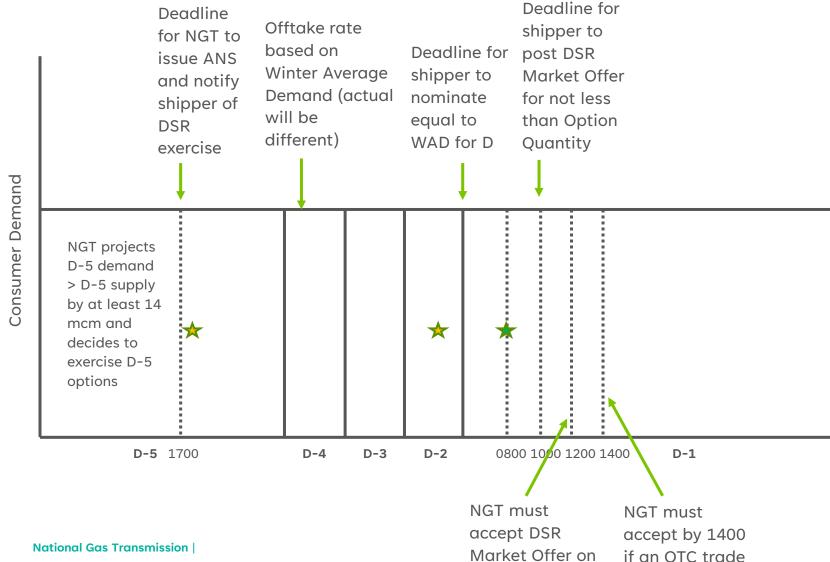
# Shipper DSR: Exercise of D-1 Option when a Margins Notice is issued

D-1 nomination for D = 200,000 kWh DSR Reduced Quantity = 5,000 kWh Exercise Price = 15p/kWh



### Shipper DSR: Exercise of D-5 Option

Winter Average Demand = 150,000 kWh DSR Reduced Quantity = 5,000 kWh Option Quantity = 145,000 kWh Exercise Price = 15p/kWh



OCM by 1200

After NGT accepts the DSR Market Offer:

- Shipper renominates to 5,000 kWh for day D
- Shipper is paid based on the accepted quantity, e.g. 145,000 kWh @ 15p/kWh =£21,750

Consumer end-of-day offtake should not exceed 5,000 kWh

D



NGT request to ICE to open OCM DSR locational market

★ ICE open OCM DSR locational market

# **Exercise of Consumer DSR Options**

**Worked Examples** 



# Consumer DSR: Exercise of Within-Day Option

WAD = 200,000 kWh

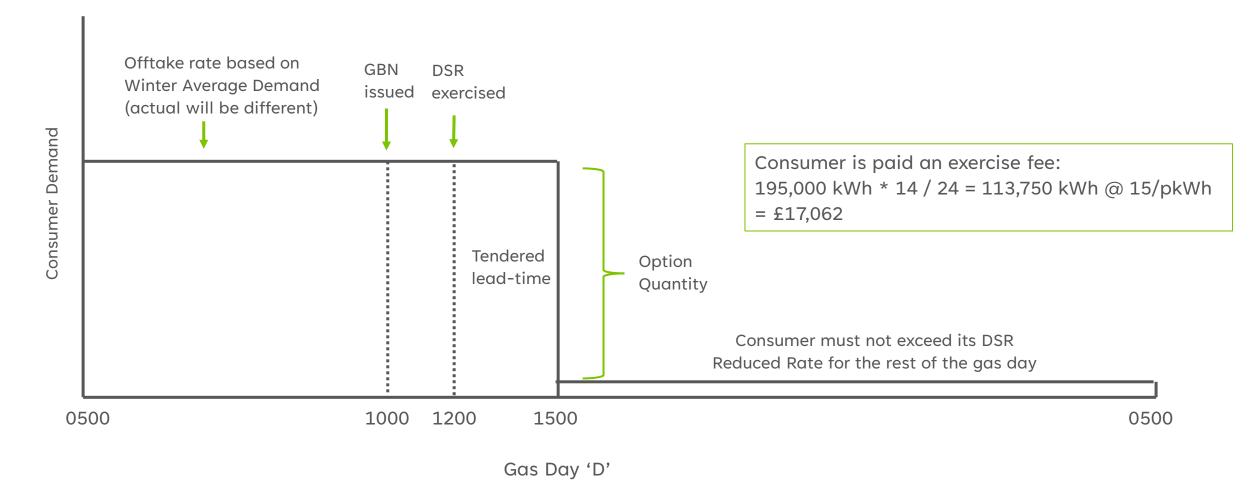
DSR Reduced Quantity = 5,000 kWh

Option Quantity = 195,000 kWh

Tendered lead-time = 3 hours

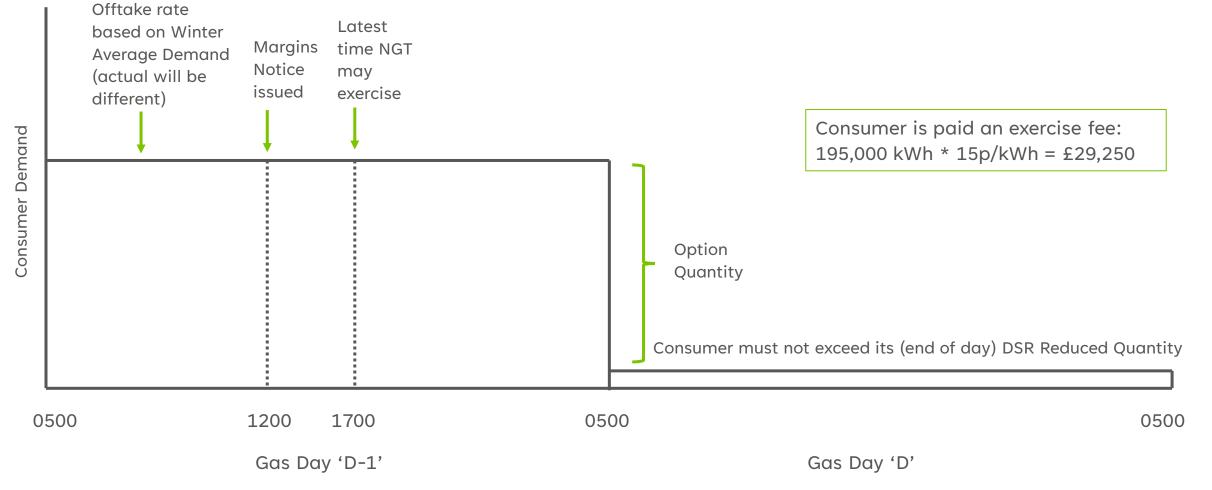
Exercise Price = 15p/kWh

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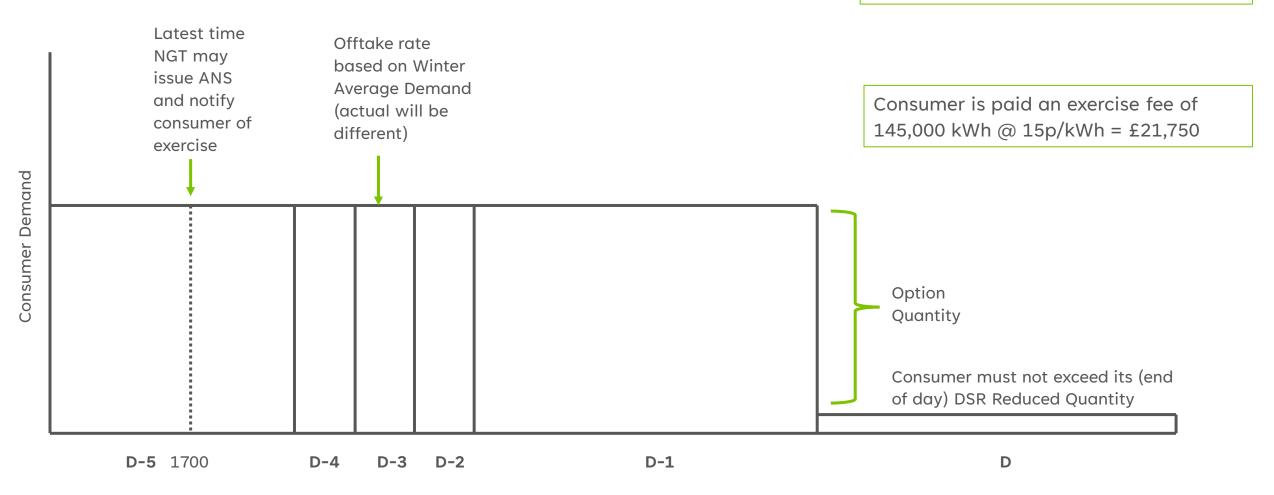
# Consumer DSR: Exercise of D-1 Option

Winter Average Demand = 200,000 kWh
DSR Reduced Quantity = 5,000 kWh
Option Quantity = 195,000 kWh
Exercise Price = 15p/kWh



# Consumer DSR: Exercise of D-5 Option

Winter Average Demand = 150,000 kWh
DSR Reduced Quantity = 5,000 kWh
Option Quantity = 145,000 kWh
Exercise Price = 15p/kWh



### **Next Steps**

- UNC Panel meeting on 20<sup>th</sup> July to consider the consultation responses and Final Modification Reports for the 0844 and 0845 proposals
- NGT to consider responses to the draft <u>DSR Consumer Contract</u>
- NGT to consider responses to the DSR methodology <u>DSR Methodology Consultation</u>
  - Consultation report to be sent to Ofgem early next week
- NGT to send Licence derogation requests to Ofgem, should Ofgem approve the reforms
- Ofgem decisions expected in early August
- DSR Options tender
  - Pre-tender communication in mid-August
  - Tender opens for 15 business days not later than 31st August

### Questions



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