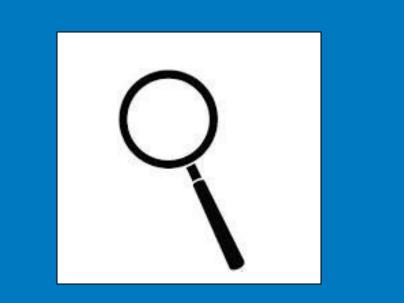


Information Provision – Gas Market Information

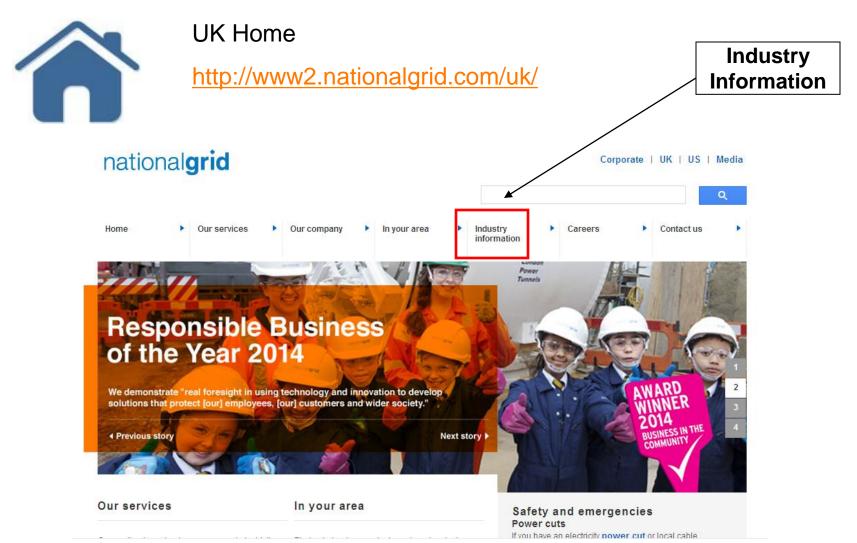




Find our Data



Find Our Data

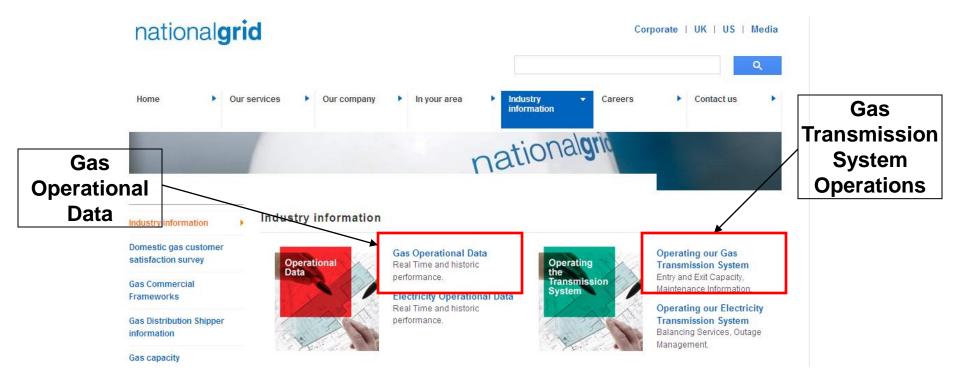


Find Our Data



UK Home > Industry Information

http://www2.nationalgrid.com/UK/industry-information/



Find Our Data



UK Home > Industry Information > Gas Transmission Operational Data

http://www2.nationalgrid.com/UK/Industryinformation/Gas-transmission-operational-data/

- Market Information and Instantaneous Flows
- News, Other Reports & Help



UK Home > Industry Information > Gas Transmission System Operations

http://www2.nationalgrid.com/UK/Industryinformation/Gas-transmission-system-operations/

- Balancing, including Gas Deficit Warnings
- Capacity, Maintenance, Gas Quality, Emergency, Forums and much more!



What is MIPI?

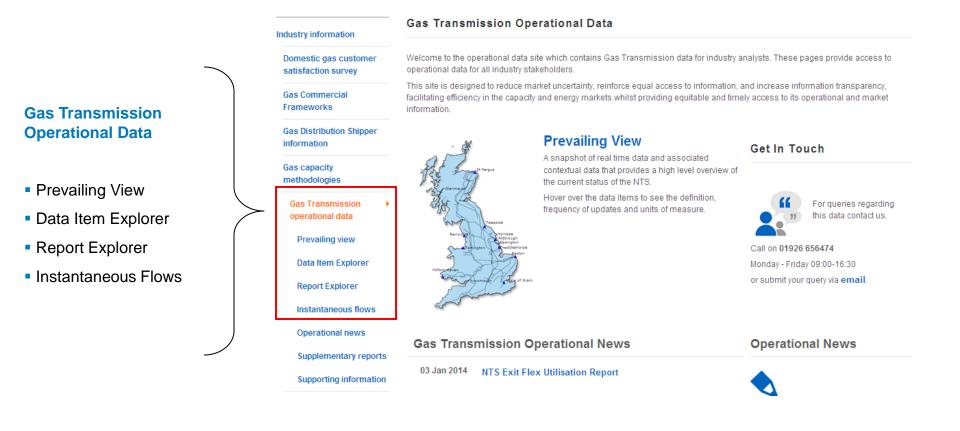


What is MIPI?

Market Information Provision Initiative

- Serves gas market participants with a wide-ranging view of data relevant to the operational behaviour of the gas network.
- National Grid is obliged to deliver this data without restriction under EU law.
 - MIPI is a business critical system.
- There are 2 publication services; GMRS and MIPI.
 - GMRS (Gas Market Reporting System) Instantaneous Flows
 - MIPI Market Information data

Operational Data



<u>http://www2.nationalgrid.com/UK/Industry-information/Gas-transmission-operational-data/</u>

Data Item Descriptions

Each data item has a description, which includes; description, publication frequency and unit of measure.

Available through;

tem Explo	Item Explorer
Data Item(s)
	Search Data Items
	Actual Day Definition: System Average Price. This is the average price of all gas traded via the OCM mechanism for the gas day Frequency: Daily UOM: p/kWh
Durly actual Definition: of all gas to Frequency UOM: p/kV	

Prevai	ling V	'iew		R
Prevailing	View			nys
Previous				:Cor
System Statu	IS		Forecast N	eive
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Linepack (nscm)		= 7	Theddlet
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Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.

Gas Deficit Warning

D and D-1

Issued at the discretion of the Gas National Control Centre to address a physical imbalance on the NTS.

Margins Notice Trigger

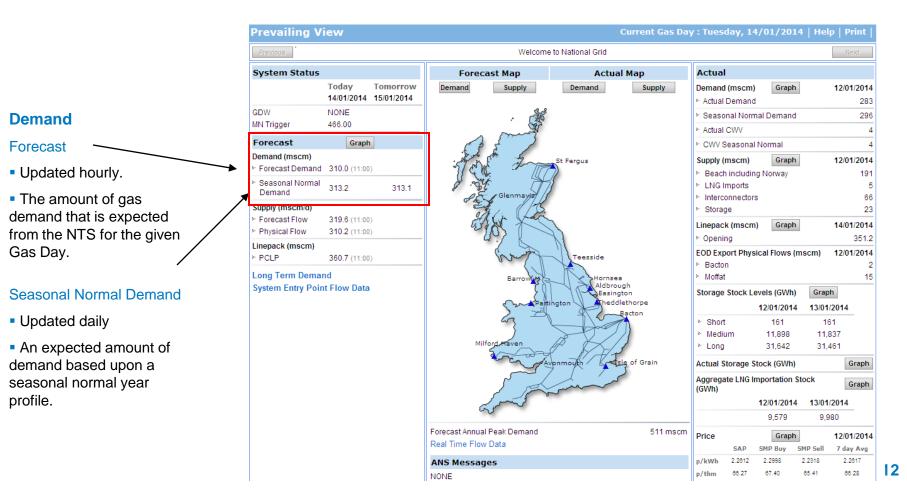
D and D-1

 Calculated at 13:00. If forecast demand is greater than the expected available supply, a Margins Notice is issued.

Provides NTS users with a high-level early indication of a potential supply / demand imbalance.

14/01/2014 15/01/2014 15/01/2014 2 GDW NONE NONE 2 MIN Tripper 466.00 2 2 Forecast Graph 2 2 2 2 2 2 2 Demand (mscm) > Forecast Demand 310.0 (1100) > 2 2 3 3 1 2 2 3 3 1 2 2 2 3 3 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 </th <th>Prevailing V</th> <th>iew</th> <th></th> <th></th> <th></th> <th>Cur</th> <th>rent Gas Da</th> <th>y : Tueso</th> <th>day, 14</th> <th>4/01/20</th> <th>L4 He</th> <th>lp Print </th>	Prevailing V	iew				Cur	rent Gas Da	y : Tueso	day, 14	4/01/20	L4 He	lp Print
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14/01/2014 15/01/2014 GDW NONE MN Trigger 468.00 Forecast Graph Demand (mscm) > > Forecast Demand 310.0 (11:00) > > Protecast Flow 319.6 (11:00) > > Physical Flow 310.2 (11:00) > Linepack (mscm) > > Physical Flow 310.2 (11:00) > Linepack (mscm) > > Physical Flow 310.2 (11:00) > Linepack (mscm) > > Physical Flow 310.2 (11:00) > Linepack (mscm) > > Physical Flow 310.2 (11:00) > Linepack (mscm) > > System Entry Point Flow Data > Milliog d Hsven Automode for sin Milliog d Hsven Storage Forecast Annual Peak Demand Storage Stock (GWh) Graph > Milliog d Hsven Storage Stock (GWh) Graph <t< th=""><th>System Status</th><th></th><th></th><th>Fore</th><th>cast Map</th><th>Actual Ma</th><th>ар</th><th>Actual</th><th></th><th></th><th></th><th></th></t<>	System Status			Fore	cast Map	Actual Ma	ар	Actual				
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- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.

Supply

Forecast Flow

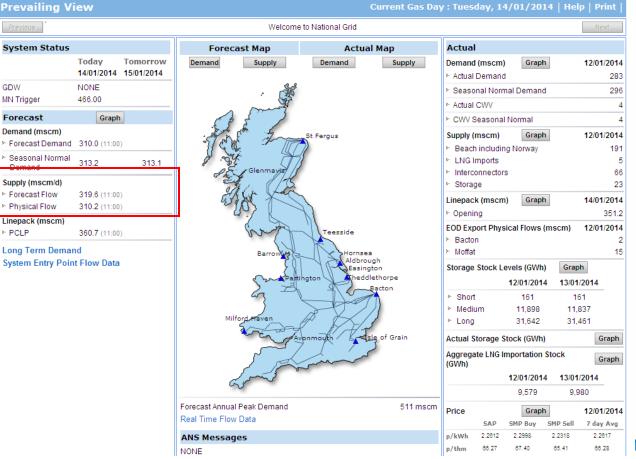
Updated hourly
Forecasted end of day

flows into the NTS based on the received delivery flow notifications and storage flow notifications for all entry points.

Physical Flow

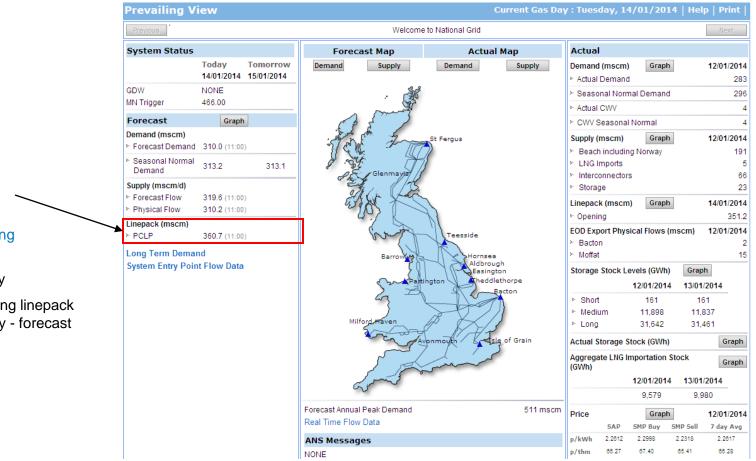
Updated hourly

 Physical aggregated flows into the NTS. Derived from metered instantaneous flows and represented as the amount of gas that would flow through the site in 24 hours at that current rate.



Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



Linepack

PCLP

(Predicted Closing

Linepack)

Updated hourly

PCLP = Opening linepack + forecast supply - forecast

demand

14

Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.

Prevailing View Long Term Demand Welcome to National Grid System Status Forecast Map Actual Map Actual Today Tomorrow Demand Supply Demand Supply Demand (mscm) Graph 12/01/2014 Physical demand forecast 14/01/2014 15/01/2014 Actual Demand 283 NONE GDW for the NTS for the period Seasonal Normal Demand 296 MN Trigger 466.00 Actual CWV 4 D-2 to D-5 (2 days before Forecast Graph CWV Seasonal Normal 4 the Gas Day to 5 days Demand (mscm) 12/01/2014 St Fergus Supply (mscm) Graph Forecast Demand 310.0 (11:00) Beach including Norway 191 Seasonal Normal LNG Imports F 313.2 313.1 Demand Interconnectors 66 Supply (mscm/d) 23 Storage Forecast Flow 319.6 (11:00) 14/01/2014 Linepack (mscm) Graph Physical Flow 310.2 (11:00) 351.2 Opening Linepack (mscm) EOD Export Physical Flows (mscm) 12/01/2014 PCLP 360.7 (11:00) eesside Bacton Long Term Demand 15 Moffat Barr Hornsea Aldbrough Storage Stock Levels (GWh) Graph Easington eddlethorpe 12/01/2014 13/01/2014 161 Short 161 Medium 11.898 11.837 Eona 31.642 31.461 Isle of Grain Actual Storage Stock (GWh) Graph Aggregate LNG Importation Stock Graph (GWh) 12/01/2014 13/01/2014 9.579 9.980 Forecast Annual Peak Demand 511 mscm Price 12/01/2014 Graph Real Time Flow Data SMP Buy SMP Sell 7 day Avg SAP 2.2318 2.2817 ANS Messages p/kWh 2 2612 2.2998 66.28 p/thn 66.27 67.40 65.41 NONE

Long Term Demand

Updated daily

before the Gas Day).

Gas Day		Demand (mscm)	90% CI (mscm)
04/04/2014	D-2	203	+/-10
05/04/2014	D-3	197	+/-11
06/04/2014	D-4	198	+/-12
07/04/2014	D-5	208	+/-12

Prevailing View

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Prevailing View Welcome to National Grid System Status Forecast Map Actual Map Actual Today Tomorrow Demand Supply Demand Supply Demand (mscm) Graph 12/01/2014 14/01/2014 15/01/2014 Actual Demand 283 GDW NONE Seasonal Normal Demand 296 MN Trigger 466.00 Actual CWV 4 Forecast Graph CWV Seasonal Normal 4 Demand (mscm) Supply (mscm) Graph 12/01/2014 St Ferous Forecast Demand 310.0 (11:00) Beach including Norway 191 Seasonal Normal LNG Imports 5 313.2 313.1 Demand Interconnectors 66 System Entry Point Flow Data for Supply (mscm/d) 23 Storage Forecast Flow 319.6 (11:00) Linepack (mscm) Graph 14/01/2014 Physical Flow 310.2 (11:00) 351.2 Opening Linepack (mscm) EOD Export Physical Flows (mscm) 12/01/2014 PCLP 360.7 (11:00) leesside Bacton 2 15 Moffat Barro Hornsea Aldbrough System Entry Point Flow Data Storage Stock Levels (GWh) Graph Easington heddlethorpe 12/01/2014 13/01/2014 Bacton Short 161 161 Medium 11.837 11.898 31.461 Eona 31.642 sle of Grain Actual Storage Stock (GWh) Graph Aggregate LNG Importation Stock Graph (GWh) 12/01/2014 13/01/2014 9.579 9.980 Forecast Annual Peak Demand 511 mscm Price Graph 12/01/2014 Real Time Flow Data SAP SMP Buy SMP Sell 7 day Avg p/kWh 2.2612 2.2318 2.2817 ANS Messages 2.2998 p/thm 66.27 67.40 65.41 66.28 NONE

System Entry Point Flow Data

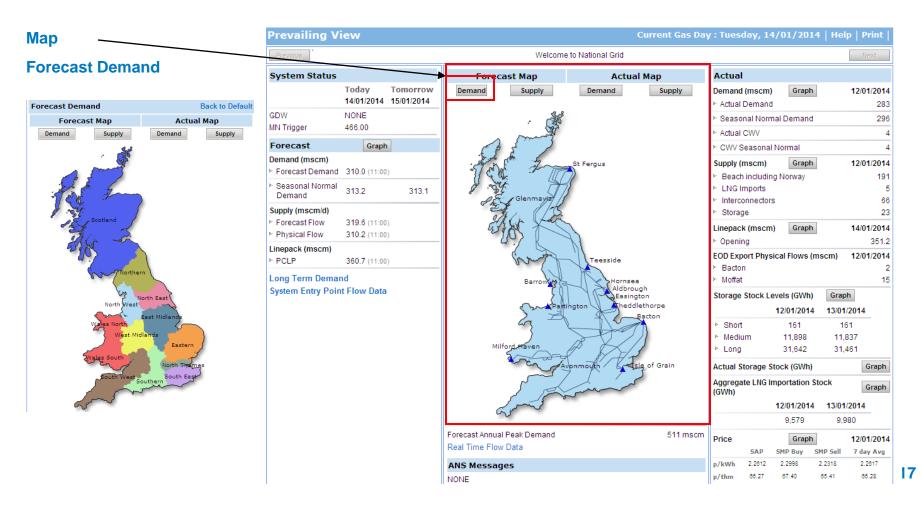
 Updated throughout the Gas Day.

See the Instantaneous Flows page for full scope of data.

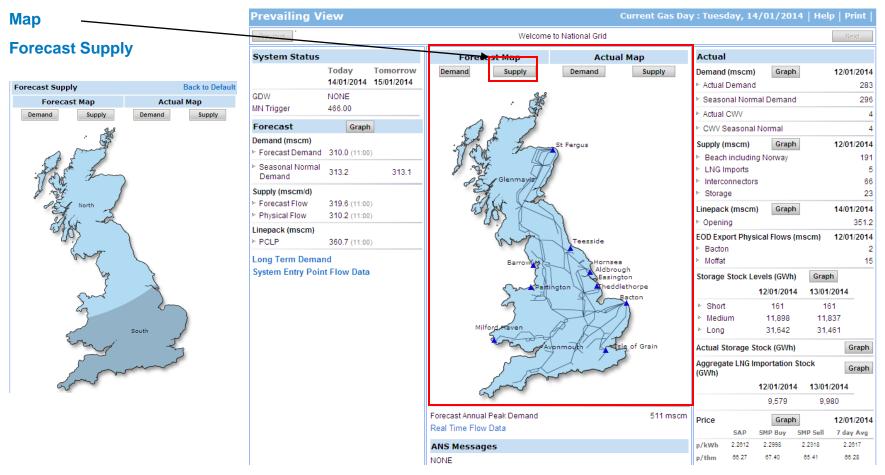
03/04/2014 Flow Rate System Entry Name (mscm/d) ALDBROUGH 0.00 AVONMOUTH 0.00 BACTON BBL 21.15 BACTON IC 0.00 BACTON OTHER 6.09 BACTON SEAL 8.09 BACTON SHELL 10.70 BARROW SOUTH 3.47 DYNEVOR ARMS 0.00 EASINGTON DIMLINGTON 10.37 EASINGTON LANGELED 25.31 EASINGTON ROUGH 0.00 GLENMAVIS 0.00 GRAIN NTS 1 0.00 GRAIN NTS 2 0.00 HILLTOP 0.00 HOLFORD 22.53 HORNSEA 0.02 MILEORD HAVEN - DRAGON 0.00 MILFORD HAVEN - SOUTH 29.61 ноок PARTINGTON 0.00 ST FERGUS MOBIL 13.83 ST FERGUS SHELL 27.77 ST FERGUS TOTAL 11.56 STUBLACH 0.00 TEESSIDE BP 8.13 TEESSIDE PX 11.65 THEDDLETHORPE

13.03

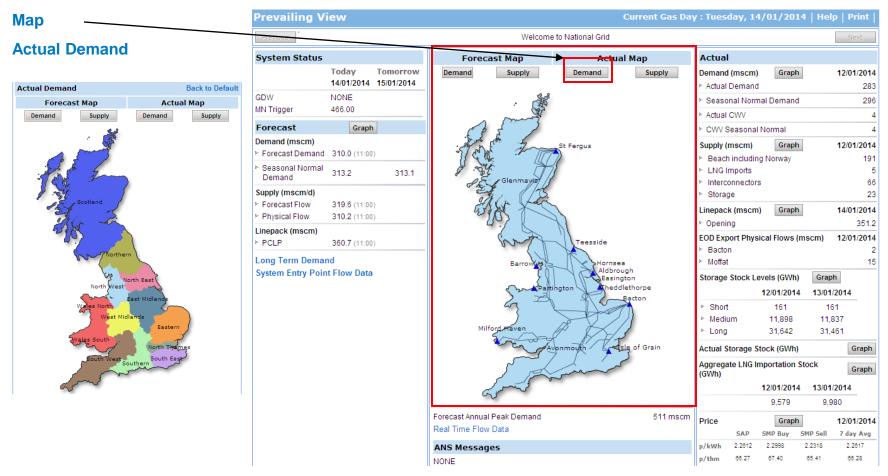
- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



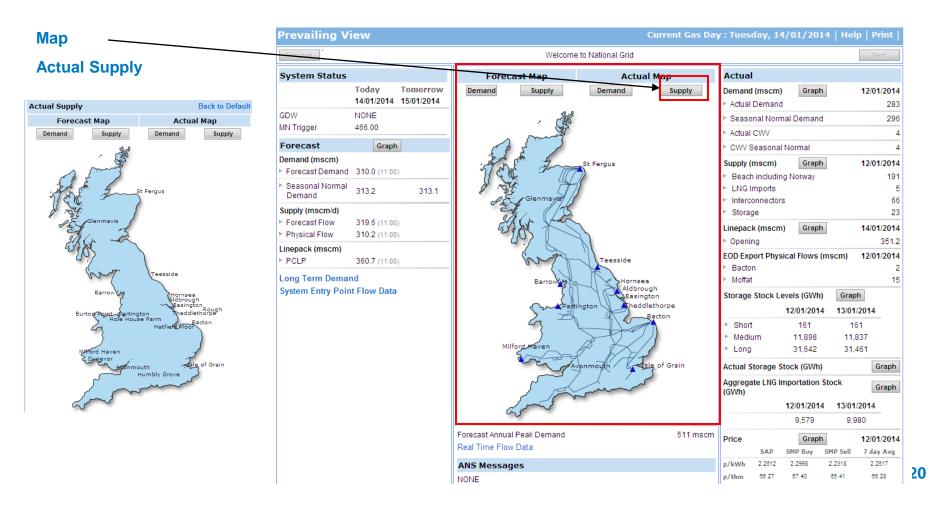
- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.

Forecast Annual Peak Demand

• The diversified total peak day demand forecast is the national gas demand, assuming no interruption expected in 1 in 20 cold weather conditions.

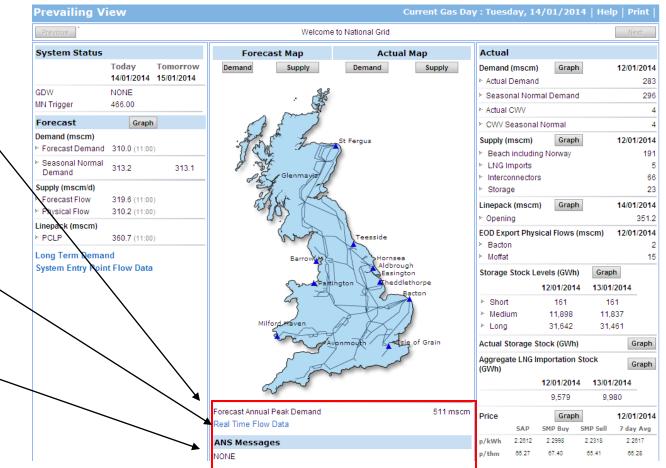
 Updated yearly in readiness for the new Gas Year.

Real Time Flow Data

Link to the instantaneous flows page.

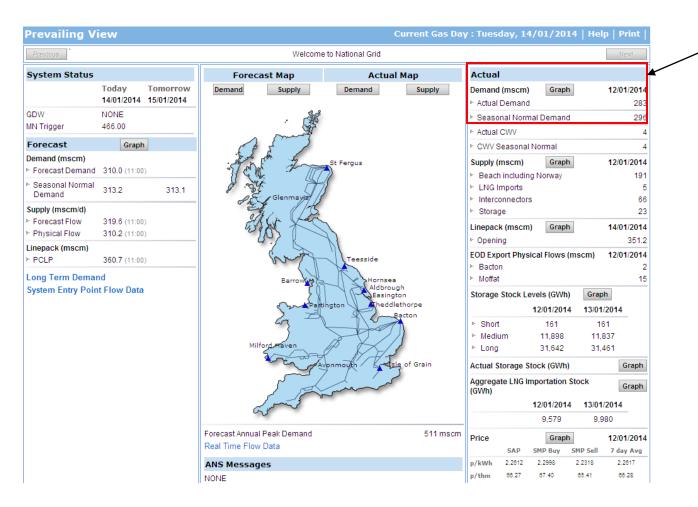
ANS Messages

Copy of messages sent to customers that have an Active Notification System.



Prevailing View

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- Updated throughout the day as new information becomes available.



Actual

Actual Demand

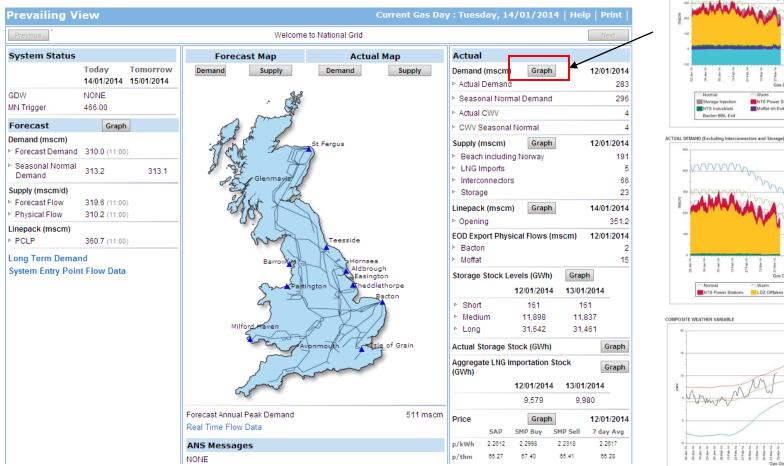
Updated daily (~12:00)

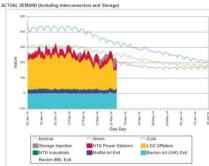
 The amount of gas delivered through the NTS for the given gas day.
 Provided on the following gas day (D+1).

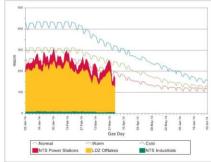
Seasonal Normal Demand

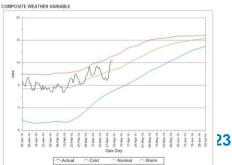
• An expected amount of demand based upon a seasonal normal year profile for D+1.

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



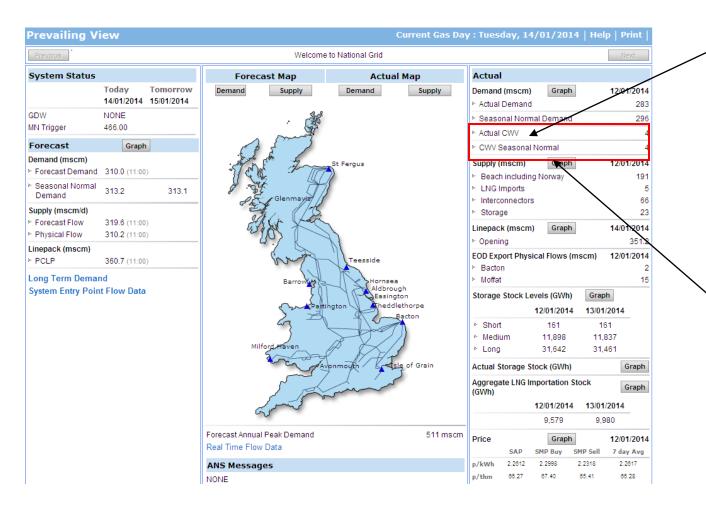






Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



Actual

Actual CWV

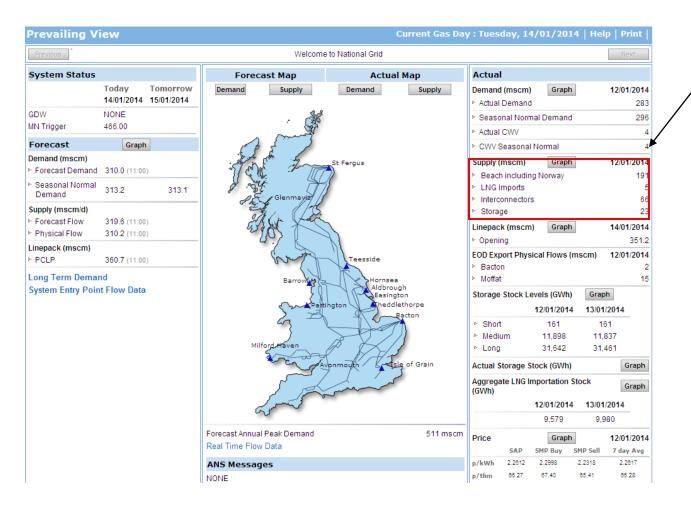
- Updated daily (~12:00)
- Composite Weather Variable (CWV)
- Created from temperature and wind speed data to produce a linear relationship with gas demand.
- Applicable for the previous Gas Day.

CWV Seasonal Normal

 An expected CWV for a 'normal' season.

Prevailing View

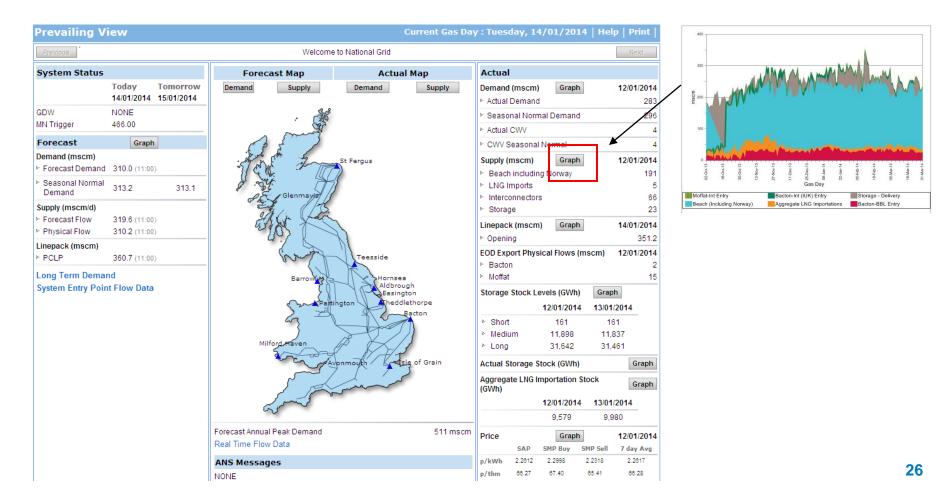
- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



Supply

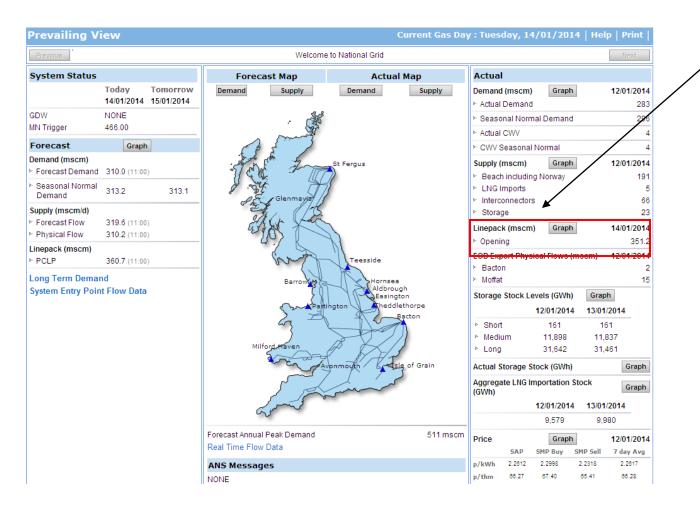
- End of day aggregated flows for each entry type;
- Beach including Norway (sub-terminals)
- LNG imports
- Interconnectors
- Storage

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.

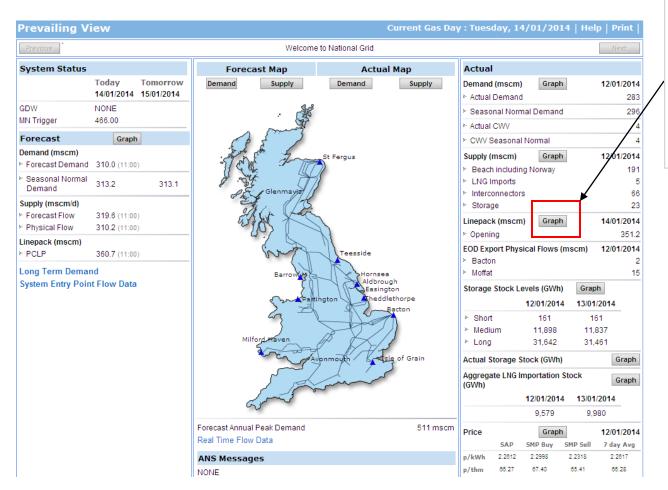


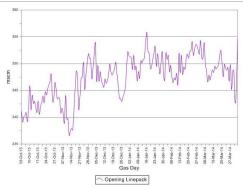
Linepack

Opening

• The actual linepack at the start of the Gas Day (06:00).

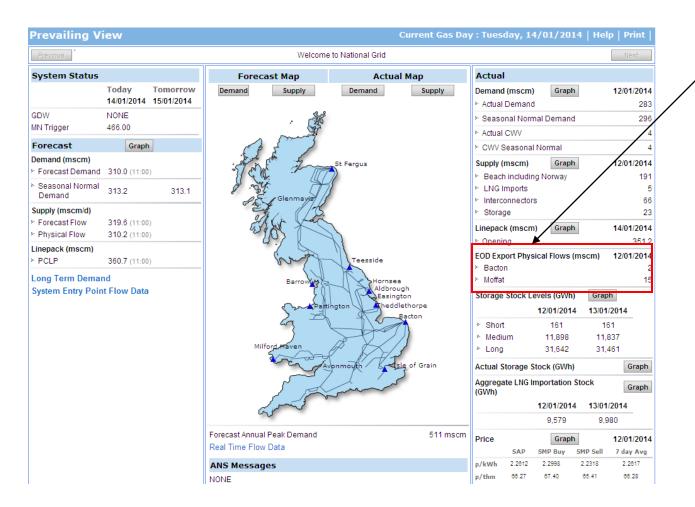
- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.





Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



EOD Export Physical Flows (mscm)

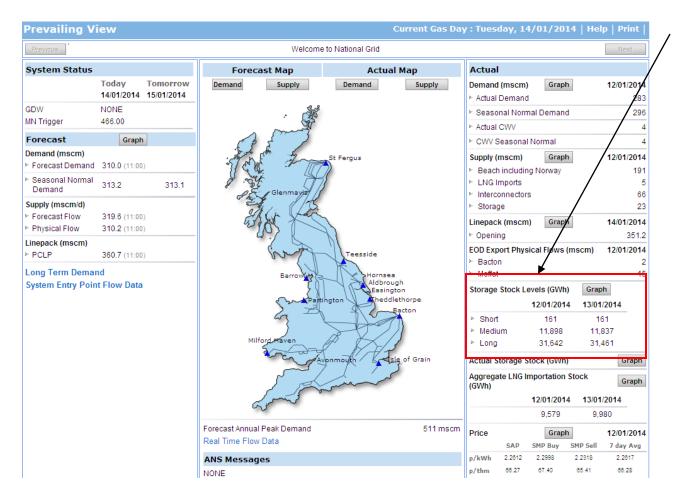
Bacton

Moffat

• The aggregate physical quantity of gas offtaken from the system in the preceding gas flow day.

Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



Storage Stock Levels (GWh

Aggregate stock levels for each storage site type.

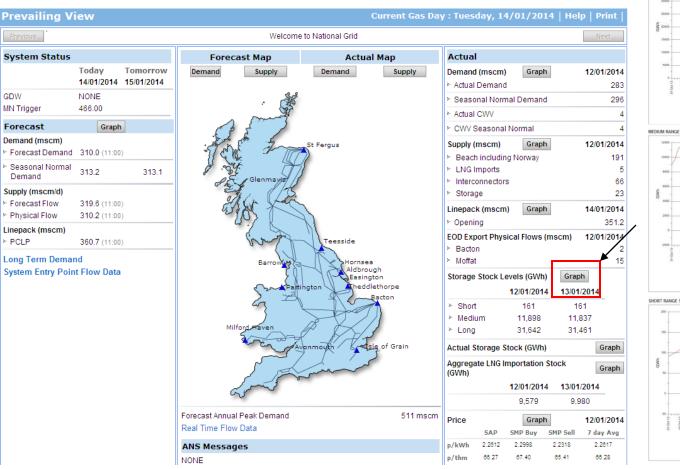
• Short Range Storage (SRS): Avonmouth is now the only SRS site. It is an onshore site that stores LNG that has been condensed from the NTS, not delivered by ship. When needed, the liquid gas is re-vaporised and delivered to the NTS. SRS can respond quickly but has limited stock.

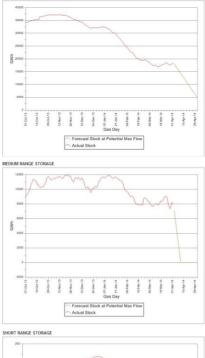
• Medium Range Storage (MRS): There are multiple MRS sites. These are commercially operated sites that have shorter injection / withdrawal times so can react more quickly to demand.

• Long Range Storage (LRS): Rough is the only LRS site. The site is offshore and mainly injects in the summer and withdraws in the winter.

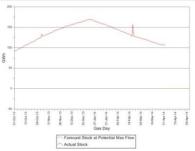
Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.

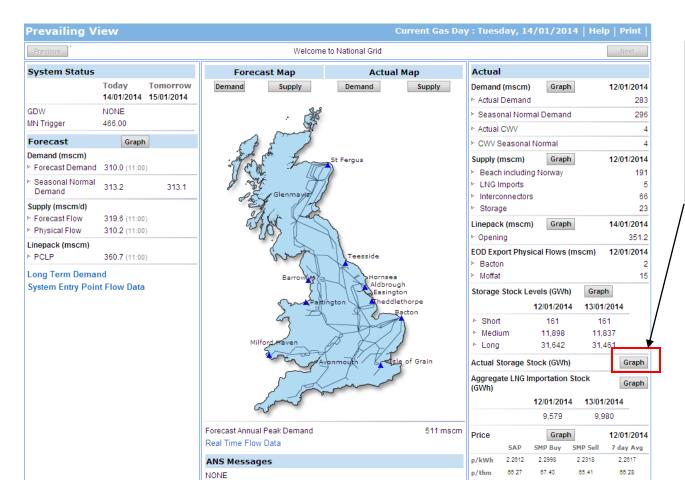


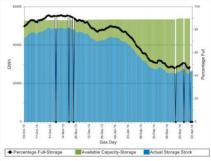


LONG RANGE STORAGE



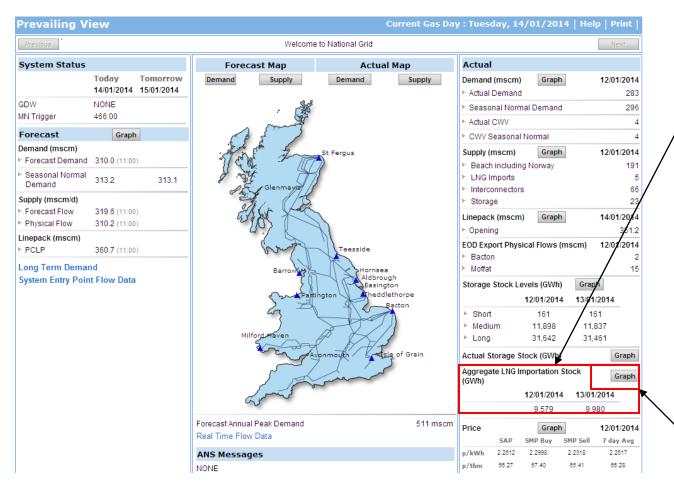
- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.





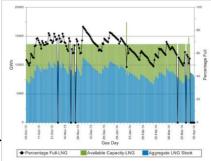
Prevailing View

- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



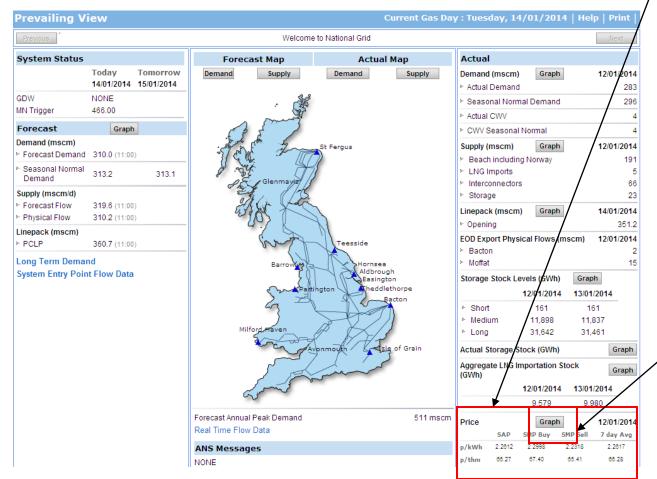
Aggregate LNG Importation Stock (GWh)

The aggregate physical LNG in store at LNG importation facilities at 05:59 hours on the Preceding Gas Flow Day.



Prevailing View

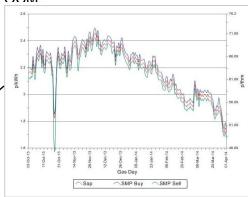
- A single screen snapshot of the latest available information (forecast and actual).
- Updated throughout the day as new information becomes available.



Price

- SAP: The average price of all gas traded via the OCM for the Gas Day.
- **SMP Buy:** The greater of SAP + default or the price which is equal to the highest market offer price in relation to a market balancing action taken that day.
- SMP Sell: The lesser of SAP default or the price which is equal to the lowest market offer price in relation to a market balancing action taken that day.

• 7 Day Avg: A 7 day rolling average of all gas traded via the OCM



The Explorers

Sea	rch Data Items	Sei	rch Clear		Add to Lis	:
Balancing Calorific Value Calorific Value Demand Entry Capacity Entry Capacity Exit Capacity (prior to Catacity (prior to						< n 1
Junepack						~
						~
Jonepack Jonepack						*
Gelected Data Item(s)	Gas Day Date Time	From Date To Date	14/01/2014 00:00	_		>

Data Item Explorer

• All data is available at an individual data item level to enable users to select combinations of items at their choice. These are categorised in menus according to their subject.

• A rolling 5 years of data can be accessed*.

* Data is available from the time that the data item was introduced to MIPI.

Data Items	Data Item Explorer										
Available by expanding	Select Data Item(s)										
the menus.	Search Data Items	1	Search	Clear Search Add to List							
Criteria	Balancing Calorific Value			<u>^</u>							
Latest values	🗉 避 🗖 Demand										
Applicable At	June 2015 June 2015										
Applicable For (Gas Day)	Exit Capacity Figure 2012)										
 From Date / To Date (Your Gas Day range) 	 Exit Capacity (prior to October 2012) Interruption Interruption Interpack Interruption 			×							
Data Results	Selected Data Item(s)										
Choose to;	Criteria										
 View Data for Data Items on the screen in your Internet Browser; or 			Date 14/01/20	14 00:00							
Download to CSV, or	View Data for Data Items		Dow	vnload Data in : 🕙 CSV 🖄 XML							

Data Item Explorer: Favourites!

 Actual Demand available at Exit Point level for Calorific Value, Energy and Volume:

- Industrial Offtakes
- Interconnector
- LDZ offtake
- NTS Power station
- Storage and LNG

Data Item Explorer
Select Data Item(s)
Search Da

Data Item Explorer	 Actual Supplies available for every Entry point for Calorific Value, Energy and Volume:
Select Data Item(s)	value, Energy and volume.
Search Data It	 Sub-terminal
Supplies	 Interconnector
Daily Actuals (Commercial) Daily Actuals (Physical)	LNG Importation
	 Storage

Data Item Explorer: Favourites!

- Storage data available according to type;
 - Long / Medium / Short
- Total aggregated data items also available.

Data Item Explorer	
Select Data Item(s)	
Search Data Items	_
■	
🗉 🥁 🗖 Actuals	
🗉 🍙 🗖 Firm Monitors	
🗉 📷 🗖 Safety Actuals	
🗉 🍙 🗖 Safety Monitors	
🖻 📷 🗖 Stock Levels	
🗊 🗖 Storage, Long Range, Stock Levels	
🔯 🗖 Storage, Medium Range, Stock Level	5
Storage, Short Range, Stock Levels	



- All of the reports in Report Explorer are available through Data Item Explorer.
- Provides ability to download a larger data set for our pre-defined reports.

Report Explorer

- Provides several reports in a pre-defined format. Categorised according to publication schedule.
- Limitation to singular Gas Day or Month.

Reports

Available by expanding	Report Explorer
the menus.	Select Report
	Search Report Clear Search Clear Search
Criteria • Limitation to singular Gas Day or month.	 Reports Daily Summary Report (DSR) Energy - Daily Reports Energy - Monthly Reports Entry Capacity - Daily Reports Exit Capacity - Daily Reports
Data Results	
Choose to;	Criteria
 View Report on the screen in your Internet Browser; or 	Gas Day 14/01/2014
 Download to CSV, or 	View Report Download Report in : 🕮 CSV 🖆 XML

Download to XML.

Report Explorer: Favourites!

Daily Summary Report

- Latest data, including;
- Forecast supply / demand position
- Gas Deficit Warning & Margins Notice Trigger
- ... and more!

Updated: ASAP

	eceived	1	Download Rep	ort in : 🕮 CSV 🖀 X
Daily Summary Report				
			Cur	rent Gas Day: 17/09/2
GAS DEFICIT WARNING (GDW)	Tomorrow 18/09/2014		Today 17/09/2014	NONE
MN TRIGGER	Tomorrow 18/09/2014		Today 17/09/2014	455
NON-ROUTINE ANS MESSAGES	Today 17/09/201	14	NONE	
NON-ROUTINE ANS MESSAGES	Today 17/09/201	14	NONE	
		14		Variance (mscm)
NOTES		14	Demand SND (mscm) (mscm) 173	Variance (mscm) -6 17/09/2014 11

NTS Physical Entry End Of Day					
			Report C	reated: 17	/09/2014 1
Gas Day: 01/09/2	2014				
Updated At D+1					
System Entry Name	Site Function Type	System Entry Energy, EOD (kWh)	System Entry Volume, EOD (mscm)	System Entry CV (MJ/scm)	
Bacton - Perenco	Sub Terminal	48,332,222 ^L	4.48790 ^L	38.8 ^L	
Bacton - Tullow	Sub Terminal	0 ^L	0.00000 ^L	39.0 ^L	
Bacton - Seal	Sub Terminal	108,536,111 ^L	9.67872 ^L	40.4 ^L	
Bacton - Shell	Sub Terminal	149,362,454 ^L	13.95091 ^L	38.5 ^L	
Barrow	Sub Terminal	35,119,656 ^L	3.26183 ^L	38.8 ^L	

NTS Physical Entry EOD

- System Entry data for sub terminal, interconnector, storage and LNG facilities.
- Volume, Energy and CV

Updated: D+1 (after the Gas Day)

Report Explorer: Favourites!

Actual Offtake Flows (AOF)

- System Exit data for Industrial Offtake, Interconnector, LDZ Offtake, Power stations and storage sites
- Volume, Energy and CV

Updated: D+1 (after the Gas Day)

Gas Day: 01/09/2014

The Provision of Ex-Post Demand Information for all NTS Offtakes

Site Type	Site Name	Calorific Value (MJ/scm)	Total physical flows (mscm)	Energy (kWh)
Industrial Offtake	AMPaperInd			
Industrial Offtake	BASFInd	40.3 ^L	0.52650 ^L	5,893,351 ^L
Industrial Offtake	BOCTeesInd	40.3 ^L	0.35936 ^L	4,023,332 ^L
Industrial Offtake	BPGrngmouthInd	40.3 ^L	0.91990 ^L	10,311,110 ^L
Industrial Offtake	BPSaltendHPInd	39.3 ^L	0.39475 ^L	4,251,031 ^L
Industrial Offtake	BlackburnMind	39.6 ^L	0.00000 ^L	0 ^L

Gas Day: 01/09/2014					
Date/ time forecasts were made: 01/09/2014 23:58					
LDZ	Demand (mscm)				
EA	4.950				
EM	7.000				
NE	5.300				
NO	4.800				
NT	5.900				
NW	8.850				
SC	6.300				
SE	6.000				
SO	4.700				
SW	3.200				
WM	5.250				
WN	0.850				

Forecast Demands (SISR03)

The latest forecast demand for each LDZ and a total forecast demand value.

Updated: Before and during the Gas Day in compliance with UNC.

Report Explorer: Favourites!

Cashout Balancing Prices

 The system average price (SAP), the SMP Buy and Sell, and a rolling 7 and 30 day average.

Updated: D+1 (after the Gas Day)

Figures are in p/kWh								
Gas Day	SAP Actual, Day	SMP Buy Actual, Day	SMP Sell Actual, Day	SAP - 7 day rolling average	SAP - 30 day rolling average			
01/09/2014	1.7188 ^L	1.7482 ^L	1.6894 ^L	1.5285 ^L	1.4058 ^L			
02/09/2014	1.6881 ^L	1.7573 ^L	1.6587 ^L	1.5619 ^L	1.4211 ^L			
03/09/2014	1.6593 ^L	1.7231 ^L	1.6299 ^L	1.5880 ^L	1.4371 ^L			
04/09/2014	1.7283 ^L	1.7577 ^L	1.6989 ^L	1.6148 ^L	1.4503 ^L			
05/09/2014	1.6526 ^L	1.6820 ^L	1.6232 ^L	1.6408 ^L	1.4647 ^L			
06/09/2014	1.6470 ^L	1.6764 ^L	1.6176 ^L	1.6527 ^L	1.4763 ^L			

Cashout Balancing Dricos

Daily	Operation	n Info	ormatio	on
	rstem to advise Natio based on metered flo ind selling gas and u tem is balanced by g tr of the Uniform Netw Is available as define ation. After the gas o	onal Grid of w informati tilising stor gas bought work Code d in the Sy day, Nation o them as o them as as Day: 01/	their "Nomin on. National (ed gas to ens on the open (UNC) - the re stem Manag al Grid then " Transmission	ated" values. After the gas day. Gas sind acts as a "residual balancer" to sure that in most circumstances, market through the On the Day ules that govern the supply of gas emen Principles Statement (SMPS) Allocate" gas to each Gas Shipper System Operator.
	Balancing	Action		
		kWh	Gas Day Ti	me
	Margins, Utilisation N	lone Todav	02/09/2014 1	1:40
Operating				1.40
Operating				1.40
	System Informatio		m kWh/d	1.40
				1.40
	System Informatio	on msc	m kWh/d	

Daily Operation Information (NOD01c)

- Total nominated and actual inputs and outputs to/from the system
- A summary of all balancing actions used
- Supply / demand / linepack / price details

Updated: D+1 / D+2 / D+7

Instantaneous Flows

Notes	Welcome to National O	Grid					
Flows into t	he NTC					Click he	<u>re</u> for Notes
riows into t	nents						
				stantaneous			
	System Entry Name	11:36	11:38	11:40	11:42	11:44	11:46
	ALDBROUGH	0.00	0.00	0.00	0.00	0.00	0.00
Supply	AVONMOUTH	0.00	0.00	0.00	0.00	0.00	0.00
	BACTON BBL	37.80	37.90	37.86	38.00	37.74	37.78
	BACTON IC	0.00	0.00	0.00	0.00	0.00	0.00
	BACTON OTHER	6.67	0.09	6.69	6.69	0.00	0.70
	BACTON SEAL	8.39	8.39	8.34	8.34	8.40	8.40
	BACTON SHELL	10.90	10.88	10.89	10.95	10.91	10.90
Entry Zone	BARROW SOUTH	2.73	2.73	2.92	2.92	2.92	2.98
Graphs	DYNEVOR ARMS	0.00	0.00	0.00	0.00	0.00	0.00
	EASINGTON DIMLINGTON	9.21	9.24	9.27	9.27	9.23	9.29
<u>User</u> defined	EASINGTON LANGELED	72.55	72.57	72.33	72.07	72.42	72.09
download	EASINGTON ROUGH	38.01	38.04	38.08	38.06	37.65	36.35
	GLENMAVIS	0.00	0.00	0.00	0.00	0.00	0.00
	GRAIN NTS 1	0.00	0.00	0.00	0.00	0.00	0.00
	GRAIN NTS 2	9.01	8.95	9.11	8.98	9.14	9.02
	HILLTOP	0.00	0.00	0.00	1.17	0.00	0.00
	HOLFORD	10.61	10.61	10.61	10.61	10.65	10.65
	HORNSEA	0.02	0.02	0.02	0.02	0.02	0.02
	MILFORD HAVEN - DRAGON	0.00	0.00	0.00	0.00	0.00	0.00
	MILFORD HAVEN -	5.09	5.09	5.09	6.09	5.09	5.09

Instantaneous Flows

- Provides the latest telemetered data direct from the individual sites.
- The data is to 2 minute granularity and refreshed every 12 minutes.

Data included;

 All entry points (or combination of entry points from the same terminal) that are capable of flows into the network at rates greater than 10mcm/day.

 All entry points that are owned and operated by National Grid (LNG Storage Sites). Instantaneous Flows into the NTS

Current Gas Day : Tuesday, 14-Jan-2014

Notes Welcome to National Grid.....

Click here for Notes

Flows into th	ne NTS						
			Ir	nstantaneous	s Flows (mcn	n/dav)	
	System Entry Name	11:36	11:38	11:40	11:42	11:44	11:46
Zone	ALDBROUGH	0.00	0.00	0.00	0.00	0.00	0.00
Supply	AVONMOUTH	0.00	0.00	0.00	0.00	0.00	0.00
	BACTON BBL	37.80	37.90	37.86	38.00	37.74	37.78
	BACTON IC	0.00	0.00	0.00	0.00	0.00	0.00
	BACTON OTHER	6.67	6.69	6.69	6.69	6.66	6.70
	BACTON SEAL	8.39	8.39	8.34	8.34	8.40	8.40
	BACTON SHELL	10.90	10.88	10.89	10.95	10.91	10.90
Entry Zone	BARROW SOUTH	2.73	2.73	2.92	2.92	2.92	2.98
Graphs	DYNEVOR ARMS	0.00	0.00	0.00	0.00	0.00	0.00
	EASINGTON DIMLINGTON	9.21	9.24	9.27	9.27	9.23	9.29
<u>User</u> defined	EASINGTON LANGELED	72.55	72.57	72.33	72.07	72.42	72.09
download	EASINGTON ROUGH	36.01	36.04	36.06	36.06	37.65	36.35
	GLENMAVIS	i 0.00	i 0.00	i 0.00	i 0.00	i 0.00	i 0.00
	GRAIN NTS 1	0.00	0.00	0.00	0.00	0.00	0.00
	GRAIN NTS 2	9.01	8.95	9.11	8.98	9.14	9.02
	HILLTOP	0.00	0.00	0.00	1.17	0.00	0.00
	HOLFORD	10.61	10.61	10.61	10.61	10.66	10.66
	HORNSEA	0.02	0.02	0.02	0.02	0.02	0.02
	MILFORD HAVEN - DRAGON	0.00	0.00	0.00	0.00	0.00	0.00
	MILFORD HAVEN -	5.09	5.09	5.09	5.09	5.09	5.09

Instantaneous Flows

- Provides the latest telemetered data direct from the individual sites.
- The data is to 2 minute granularity and refreshed every 12 minutes.

Entry Zone Graphs

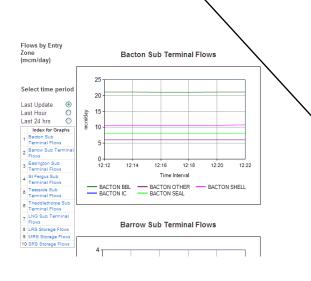
Instantaneous Flows into the NTS Cur

MILFORD HAVEN -

5.09

Current Gas Day : Tuesday, 14-Jan-2014

• A graphical representation of entry information.



Notes	Welcome to National	Grid					
Flows into th	a NTS					Click <u>he</u>	<u>ere</u> for Note
					Flowe (mon	n (day)	
	System Entry Name	11:36	11:38	nstantaneous 11:40	11:42	11:44	11:46
Zone	ALDBROUGH	0.00	0.00	0.00	0.00	0.00	0.00
Supply	AVONMOUTH	0.00	0.00	0.00	0.00	0.00	0.00
	BACTON BBL	37.80	37.90	37.86	38.00	37.74	37.78
	BACTON IC	0.00	0.00	0.00	0.00	0.00	0.00
	BACTON OTHER	6.67	6.69	6.69	6.69	6.66	6.70
	BACTON SEAL	8.39	8.39	8.34	8.34	8.40	8.40
	BACTON SHELL	10.90	10.88	10.89	10.95	10.91	10.90
Entry Zone	BARROW SOUTH	2.73	2.73	2.92	2.92	2.92	2.98
<u>Graphs</u>	DYNEVOR ARMS	0.00	0.00	0.00	0.00	0.00	0.00
	EASINGTON DIMLINGTON	9.21	9.24	9.27	9.27	9.23	9.29
<u>User</u> defined	EASINGTON LANGELED	72.55	72.57	72.33	72.07	72.42	72.09
download	EASINGTON ROUGH	36.01	36.04	36.06	36.06	37.65	36.35
	GLENMAVIS	i 0.00	i 0.00	i 0.00	i 0.00	i 0.00	i 0.00
	GRAIN NTS 1	0.00	0.00	0.00	0.00	0.00	0.00
	GRAIN NTS 2	9.01	8.95	9.11	8.98	9.14	9.02
	HILLTOP	0.00	0.00	0.00	1.17	0.00	0.00
	HOLFORD	10.61	10.61	10.61	10.61	10.66	10.66
	HORNSEA	0.02	0.02	0.02	0.02	0.02	0.02
	MILFORD HAVEN - DRAGON	0.00	0.00	0.00	0.00	0.00	0.00

5.09

5.09

5.09

5.09

5.09

45

Click here for Notes

Instantaneous Flows

- Provides the latest telemetered data direct from the individual sites.
- The data is to 2 minute granularity and refreshed every 12 minutes.

Notes

Flows into the NTS

User Defined Download

Instantaneous Flows into the NTS

Welcome to National Grid.....

Current Gas Day : Tuesday, 14-Jan-2014

Function to download historical data.

User Defined Download	Current Gas Day : Thursday, 03-Apr-2014				l	nstantaneou	s Flows (mcr	n/dav)	
Select time period	User to select required Terminal or Individual entry points		System Entry Name	11:36	11:38	11:40	11:42	11:44	11:46
Select time period	Select Zone System Entry Name	Zone	ALDBROUGH	0.00	0.00	0.00	0.00	0.00	0.00
Last Update 💿	ALDBROUGH		AVONMOUTH	0.00	0.00	0.00	0.00	0.00	0.00
Last Hour O	AVONMOUTH	ouppi)							
Last 24 hrs 🔿	BACTON BBL		BACTON BBL	37.80	37.90	37.86	38.00	37.74	37.78
	BACTON IC		BACTON IC	0.00	0.00	0.00	0.00	0.00	0.00
Or user defined time period	BACTON OTHER		BACTON OTHER	6.67	6.69	6.69	6.69	6.66	6.70
From	BACTON SEAL	\backslash							
То	BACTON SHELL BARROW SOUTH	\mathbf{N}	BACTON SEAL	8.39	8.39	8.34	8.34	8.40	8.40
	DYNEVOR ARMS	$\mathbf{\lambda}$	BACTON SHELL	10.90	10.88	10.89	10.95	10.91	10.90
	EASINGTON DIMLINGTON	Entry Zone	BARROW SOUTH	2.73	2.73	2.92	2.92	2.92	2.98
Latest Available	EASINGTON LANGELED	Graphs	DYNEVOR ARMS	0.00	0.00	0.00	0.00	0.00	0.00
Originally Published	EASINGTON ROUGH			0.00	0.00	0.00	0.00	0.00	0.00
Originally Published	GLENMAVIS		EASINGTON						
	GRAIN NTS 1		DIMLINGTON	9.21	9.24	9.27	9.27	9.23	9.29
Click here to update graphs	GRAIN NTS 2	User	EASINGTON						
	HILLTOP	defined	LANGELED	72.55	72.57	72.33	72.07	72.42	72.09
Click here to download data	HOLFORD HORNSEA	download	EASINGTON ROUGH	36.01	36.04	36.06	36.06	37.65	36.35
	HORNSEA MILFORD HAVEN - DRAGON		EXSINGTON ROOCH		30.04	30.00	30.00	37.00	30.30
Instantaneous	MILFORD HAVEN - DRAGON			i		1	1	1	
Flows	PARTINGTON		GLENMAVIS	0.00	0.00	0.00	0.00	0.00	0.00
	ST FERGUS MOBIL		GRAIN NTS 1	0.00	0.00	0.00	0.00	0.00	0.00
Entry Point	ST FERGUS SHELL		GRAIN NTS 2	9.01	8.95	9.11	8.98	9.14	9.02
Graphs	ST FERGUS TOTAL								
	STUBLACH		HILLTOP	0.00	0.00	0.00	1.17	0.00	0.00
	TEESSIDE BP		HOLFORD	10.61	10.61	10.61	10.61	10.66	10.66
			HORNSEA	0.02	0.02	0.02	0.02	0.02	0.02
			MILFORD HAVEN - DRAGON	0.00	0.00	0.00	0.00	0.00	0.00
			MILFORD HAVEN -	5.09	5.09	5.09	5.09	5.09	5.09



Other Data Provision



Capacity Data

Capacity data is available within the MIPI Application.

Data Item Explorer	Report Explorer			
Data Item Explorer	Report Explorer			
Select Data Item(s)	Select Report			
Search Data Items	Search Report Reports Daily Summary Report (DSR) Extrace Provide the second			

Capacity Page

- Capacity section on the website, which includes Entry and Exit data.
 - Gas Transmission System Operations > Capacity
 - http://www2.nationalgrid.com/uk/industry-information/gas-transmissionsystem-operations/capacity/

Criteria	acity Auctions			
Auction Type			~	
	Long Term Summary			
Report Type	Invitation Letter		×	
From Year	2014	From Month	August	
To Year	2014	To Month	September 💙	
				Submit Query
Reports				

NTS Capacity Team: +44 (0) 1926 654057

capacityauctions@nationalgrid.com

Storage Data

Storage data is available within the MIPI Application.

Data Item Explorer	Report Explorer
Data Item Explorer	Report Explorer
Select Data Item(s)	Select Report
Search Data Items	Search Report
Storage Actuals Safety Actuals Safety Actuals Safety Monitors Safety Monitors Softy Monitors Softy Stock Levels Supporting Information	Price Information History (OC46) Storage and LNG Report UK Wholesale Gas Market Liquidity Data Use of Balancing Tools (NORM01) Weather Correction Factors / Scaling Factor Daily Balance Report (NORD01) Energy - Monthly Reports



Storage & LNG Operator Report

- The Storage and LNG Operator Information spreadsheet is available on the 'Supplementary Reports' page.
- Operators provide information to comply with EU regulation EC 715/2009.
 - Updated daily at 16:00
 - Historic data available from 2010.

Supplementary Reports

This page provides access to data which is not available within Data Item Explorer or Report Explorer.

Current

Storage and LNG Operator Information

The information contained in the spreadsheet below is published on behalf of Storage and LNG Operators under the European Regulation EC 715/2009. The data in this spreadsheet is applicable for the current Gas Year. Data from previous Gas Years can be found in the Archive section below.

15 Sep 2014	ST 15_09_2014	Download	655 KB	



EU Data

Menu 🔻

European Network of Transmission System Operators for Gas

- "promotes the completion and functioning of the internal market and crossborder trade for gas in the EU".
- MIPI supports our EU data reporting requirements
- All data published to the ENTSOG platform is derived from MIPI.
- There may be some discrepancy due to conversion bewteen different units of measure;
 - MIPI 'standard' volume and energy units
 - EU is converted to 'normal' units
- We will continue to evolve our ENTSO reporting in line future obligations.









API Web Service

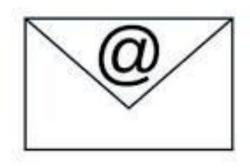
 National Grid offers a 'Pull' Automated Programmable Interfaces (API) service for all of our customers.

 Customers can write their own code and select the data items that they are interested in.

- Available for GMRS & MIPI.
- Documentation available on Supporting Information website page;
 - http://www2.nationalgrid.com/uk/industry-information/gas-transmissionoperational-data/supporting-information/

Contact Us

If you would like any further information about any of the gas market information that we provide on our website, please do not hesitate to contact us.



Sysop.Centre.Reporting @nationalgrid.com



+44 (0) 1926 65 6474