

**Welcome to National Gas
Transmission Data Portal**



**national gas
transmission**

Launch
July 2023

Introduction

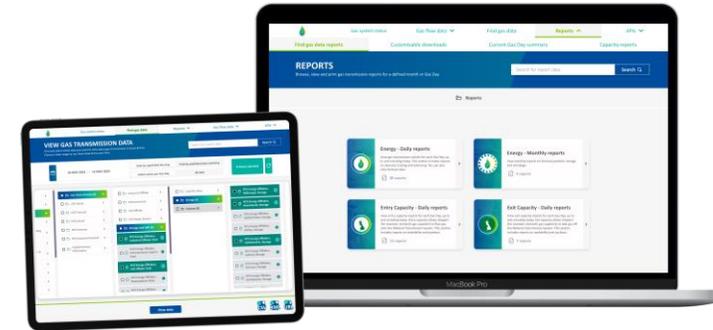
Welcome to the new **National Gas Transmission Data Portal**. This Gas Data Portal has been designed to provide an improved user experience to finding and utilising our gas operational data.

Within the portal you will find:

- Gas System Status
- Gas Flow Data
- Operational Data Items
- Operational Reports
- Information on our APIs
- Help and Guidance

We hope this portal provides you with the data and information you require. We would love to hear your feedback on the site so we can continue to make improvements to our Gas Data Portal, as part of our continuous ongoing programme.

Please Note: There is no impact to our API service.



Open data about gas in Great Britain, for industry experts and people that want to learn more about gas transmission.



Where can you find?

To help navigate between MIPI and the Gas Data Portal, the table below outlines where you can find specific areas of MIPI in the Gas Data Portal:

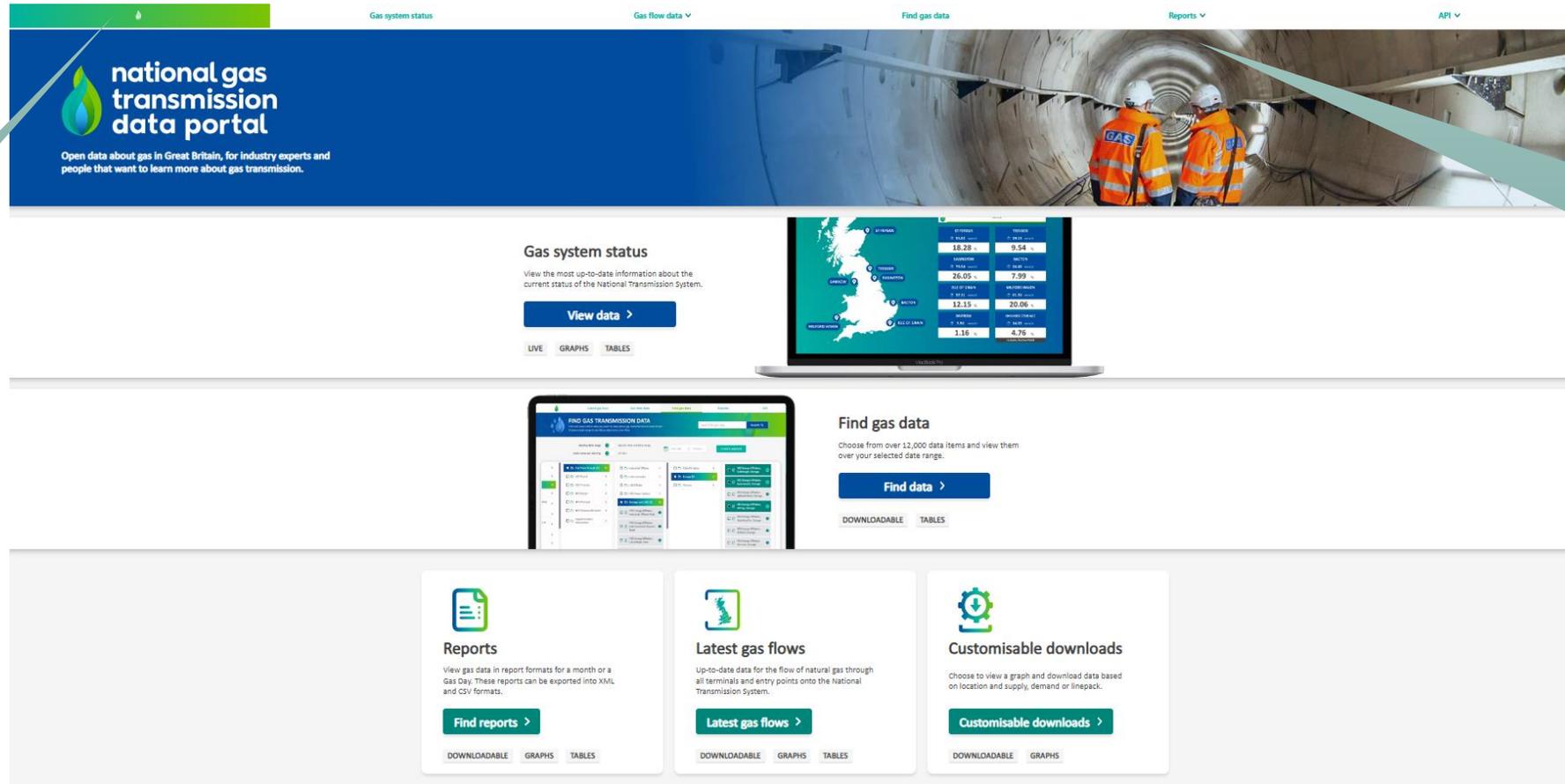
MIPI	Gas Data Portal
Prevailing View	Gas System Status
Instantaneous Flow	Gas Flow Data > Latest Gas Flows
Entry Zone Graphs	Gas Flow Data > Gas Flows by Terminal
Report Explorer	Reports
User Defined Downloads	Reports > Customisable Downloads
Daily Summary Report	Reports > Current Gas Day Summary
Capacity Auction Reports	Reports > Capacity Auction Reports
Data Item Explorer	Find Gas Data
API Service	API

Our new Homepage

The homepage is the landing page for the Gas Data Portal, which provides sign posts to the key components of the site.



Our new flame homepage icon will take you back to our homepage from all of the site.



All Gas Data Portal areas can be found by navigating this Navigation Bar and sub menus on every page of the portal.

Gas system status

The Gas system status section used to be called Prevailing View. This shows the most up-to-date data for the current Gas Day and reflects the status of the National Transmission System (NTS). This section also includes storage data year-on-year.

Margins Notice and Demand Forecast

The screenshot shows the 'gas system status' website interface. At the top, there are navigation tabs: 'Margins Notice', 'Forecast data', 'Supply and demand', 'Linepack', 'Flow rates', and 'Storage'. The 'Margins Notice' tab is selected. Below the navigation, there is a section titled 'Demand forecast and Margins Notices' with a sub-header 'View how much demand is forecasted for today and the next week, and whether any notifications need to be sent out about National Transmission System.' This section contains two main cards: 'DEMAND FORECAST' and 'MARGINS NOTICE TRIGGER'. Below these is a 'DEMAND FORECAST AND MARGINS NOTICE TRIGGERS FOR THE NEXT WEEK' section with a table of daily forecasts from Friday to Thursday. The bottom of the page includes contact information for National Gas Transmission, including an email address (box.operational.liaison@nationalgas.com) and a phone number (01926 656 474).

Linepack

The screenshot shows the 'Linepack' section of the website. It features three cards: 'OPENING LINEPACK' (332.6 mcm), 'PREDICTED CLOSING LINEPACK' (323.9 mcm), and 'PREDICTED CLOSING LINEPACK FORECAST IS' (-8.7 mcm). Each card includes a date of 02:02 on 20th June 2023. Below the cards, there is a legend explaining the terms: 'Opening linepack is the volume of gas contained within the National Transmission System at the start of the current Gas Day.', 'PCLP is the volume of gas that is estimated to be contained within the National Transmission System at the end of the current Gas Day.', and 'This is the difference between the linepack and PCLP values.'

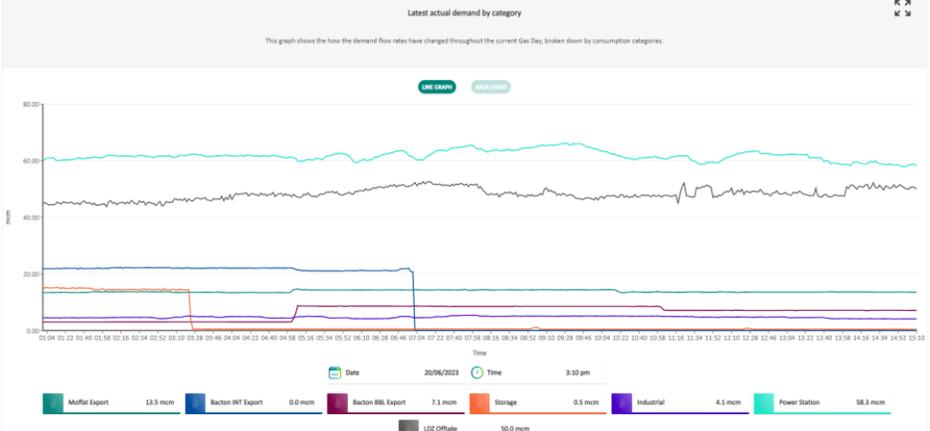
To navigate through Gas system status you can click the tabs across the top or use the arrows either side of the page

Flow Rates

The screenshot shows the 'Flow Rates' section of the website. It features a map of the UK with several terminals marked: ST FERGUS, TEESSIDE, BARROW, EASINGTON, BACTON, ISLE OF GRAIN, and MILFORD HAVEN. To the right of the map is a table titled 'Terminals, supply flow rates and percentage share of the NTS'. The table lists the following data:

Terminal	Supply flow rate (mcm/d)	Percentage share (%)
ST FERGUS	59.02	42.71%
TEESSIDE	22.15	16.02%
EASINGTON	11.47	8.3%
BACTON	22.19	16.05%
ISLE OF GRAIN	3.12	2.26%
MILFORD HAVEN	17.34	12.4%
BARROW	3.15	2.28%
ONSHORE STORAGE	-	-%

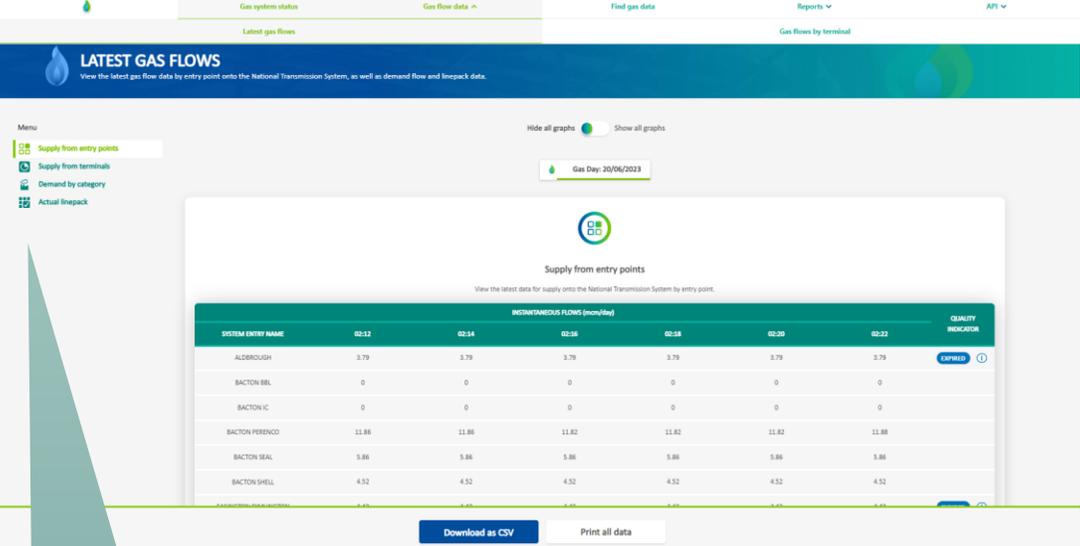
Latest actual demand by category



Gas Flow Data

Latest Gas Flows

Latest gas flows used to be called Instantaneous flows. It has the most up-to-date data relating to supply onto the NTS, broken down by system entry points and terminals. It also has data about demand and Linepack. Latest gas flow data is available in table and graph formats.



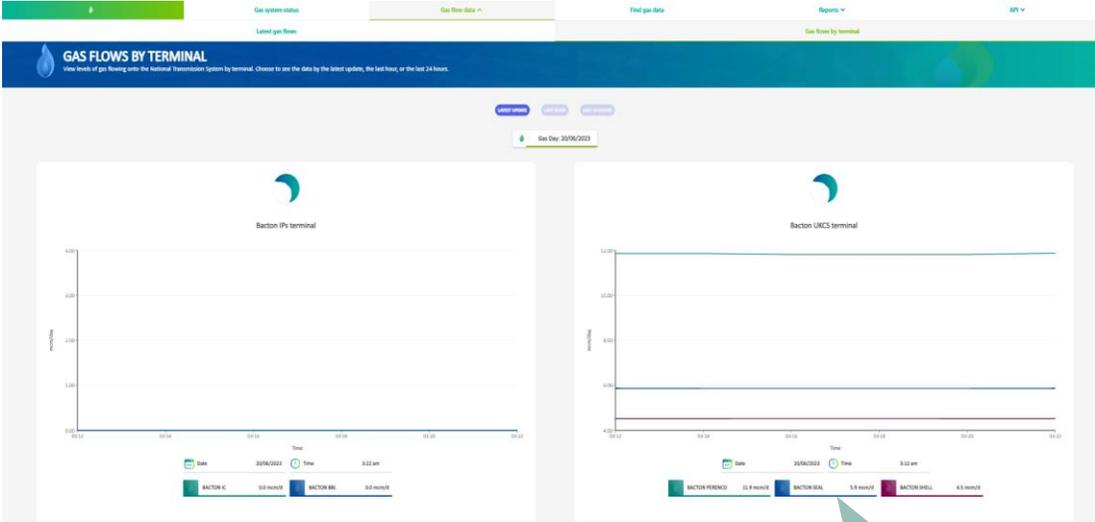
Menu

- Supply from entry points
- Supply from terminals
- Demand by category
- Actual linepack

The anchor menu offers the ability for the User to navigate to key sections of the page.

Gas Flows by Terminal

Gas flows by terminal used to be called Entry zone graphs and it shows the supply of gas onto the NTS, broken down by terminals. This graph data is available from the last 24 hours, the last hour and the latest update.



Dynamic graph legends allow you to select different series of data and also pin points the data values for the time point.

Find Gas Data

'Find gas data' used to be called 'Data Item Explorer'. It contains over 12,000 data items related to gas transmission. For most data items, data is available on a 5-year rolling basis. The data items you select will be shown in a table format.

The screenshot shows the 'Find Gas Transmission Data' interface. At the top, there are navigation tabs: 'Gas system status', 'Gas flow data', 'Find gas data' (active), 'Reports', and 'API'. Below the tabs is a search bar with the text 'Search for gas data' and a 'Search' button. The main area contains filters for 'Data by applicable Gas Day' and 'Data by published date and time', with a date range of '01/06/2023' to '16/06/2023' and '1 items selected'. A list of data items is shown, with 'Demand Forecast, NTS' selected. A 'View data' button is at the bottom.

Demand Forecast, NTS

The amount of gas that is expected to be delivered through the NTS for the given Gas Day at the time of the forecast. NTS Direct Load + LDZ Offtake Forecast + NTS Shrinkage Forecast Where: NTS Direct Load Forecast = forecast for NTS Industrial, NTS Power

Each of the data items has a "I" symbols that displays a description of the data item

Demand Forecast, NTS

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WHEN DATA WAS CREATED	WHEN DATA WAS PUBLISHED	VALUE APPLIES TO GAS DAY	VALUE	QUALITY INDICATOR
01/06/2023 23:02:55	01/06/2023 23:15:00	01/06/2023	175.1867	
02/06/2023 23:02:26	02/06/2023 23:15:00	02/06/2023	168.7065	
03/06/2023 23:09:33	03/06/2023 23:15:00	03/06/2023	141.6754	
04/06/2023 23:02:19	04/06/2023 23:15:00	04/06/2023	142.2270	
05/06/2023 23:02:19	05/06/2023 23:15:00	05/06/2023	171.0219	
06/06/2023 23:11:29	06/06/2023 23:15:00	06/06/2023	168.5883	
07/06/2023 23:01:41	07/06/2023 23:15:00	07/06/2023	149.0300	
08/06/2023 23:03:13	08/06/2023 23:15:00	08/06/2023	143.9551	
09/06/2023 23:01:43	09/06/2023 23:15:00	09/06/2023	137.1794	

User has the ability to drill down through the high level data groupings to find the specific data items they would like to see.

Data by applicable Gas Day Data by published date and time

Latest values per Gas Day All data

Data by applicable Gas Day will provide data for Gas Day in question (Present Day 5am – Next Day 4:59).

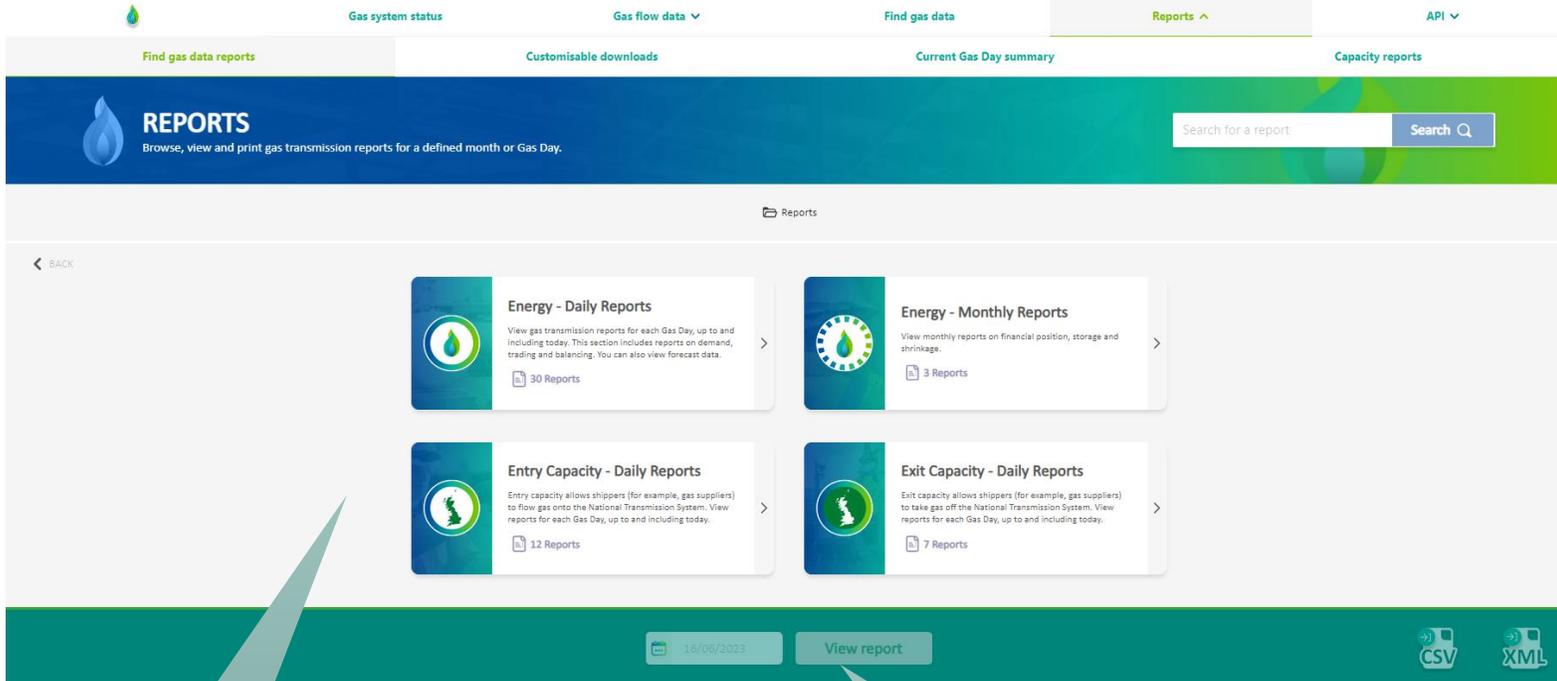
Data is presented to the User on screen in a user friendly way.

Data by published date and time allows you to drill into a specific point in time.

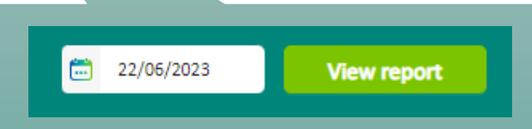
Reports

Find gas data reports used to be called Report explorer. It contains a variety of pre-defined daily and monthly reports for many types of gas transmission data.

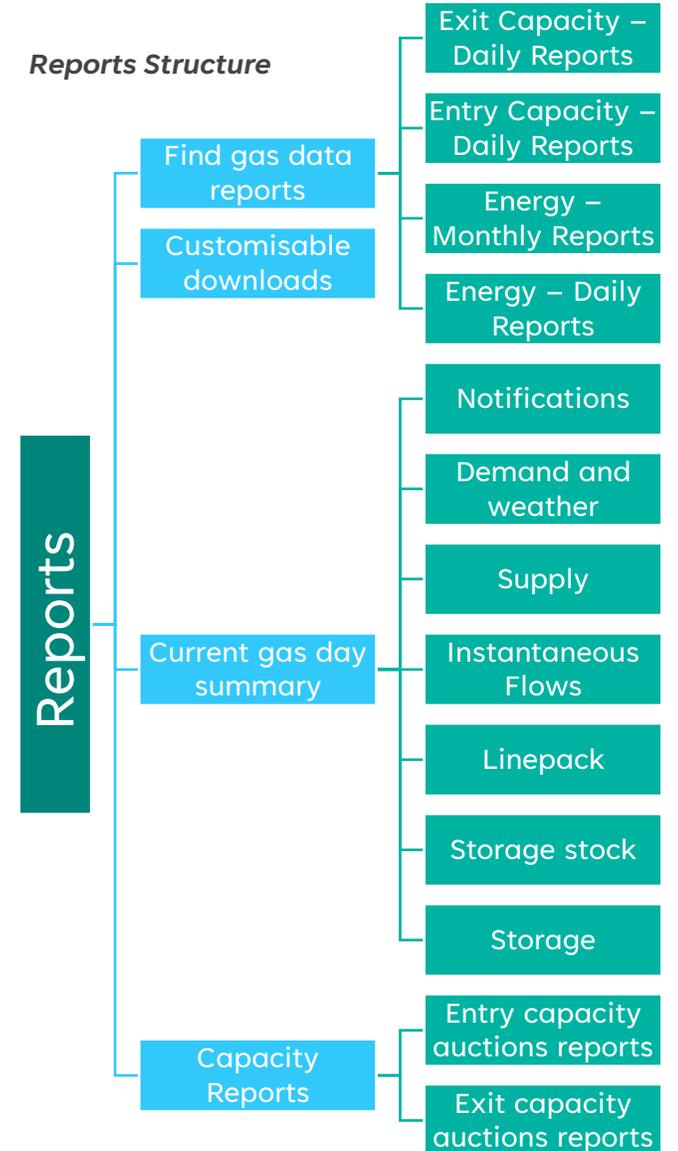
Find Gas Reports



Our reports are split into these 4 categories



Our date picker allows you to select the date you require for the reports.

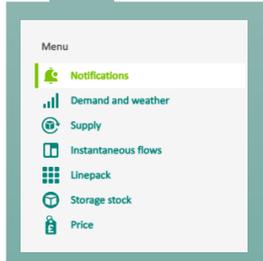
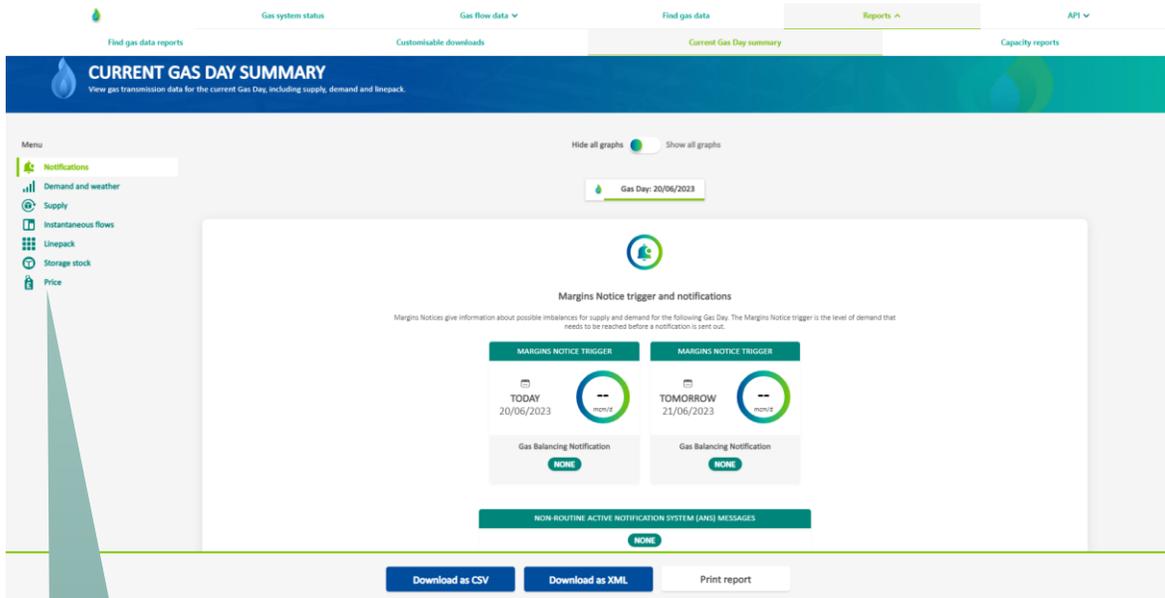


These are the reports folders that are available under our reports section.

Reports

Current Gas Day Summary

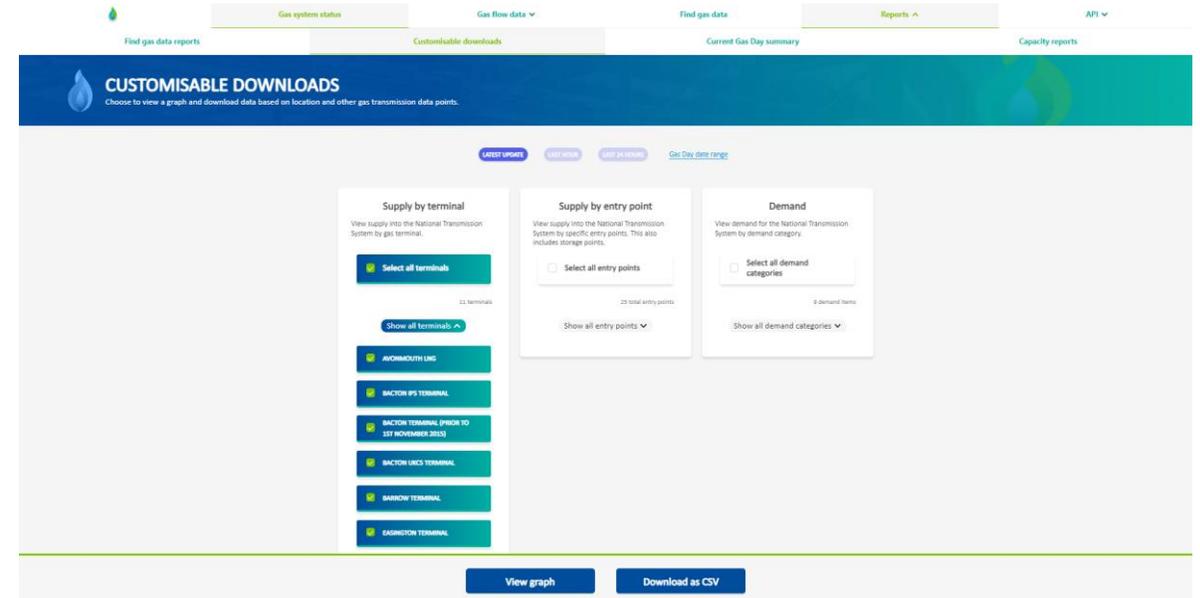
Current Gas Day summary used to be called Daily summary report. This report has tables and graphs showing gas transmission data for the current Gas Day.



The anchor menu offers the ability for the User to navigate to key sections of the Current Gas Day Summary.

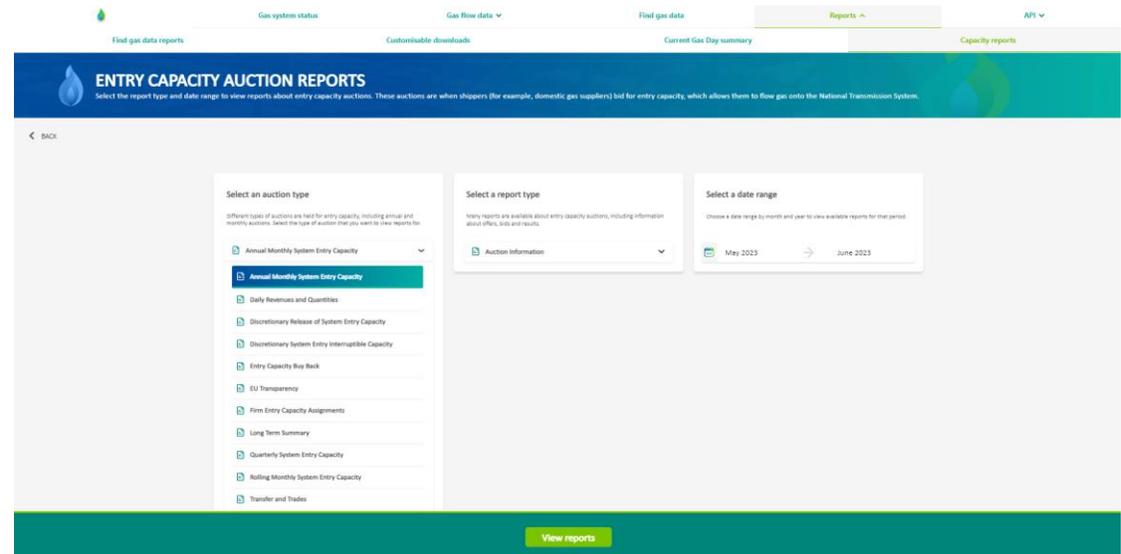
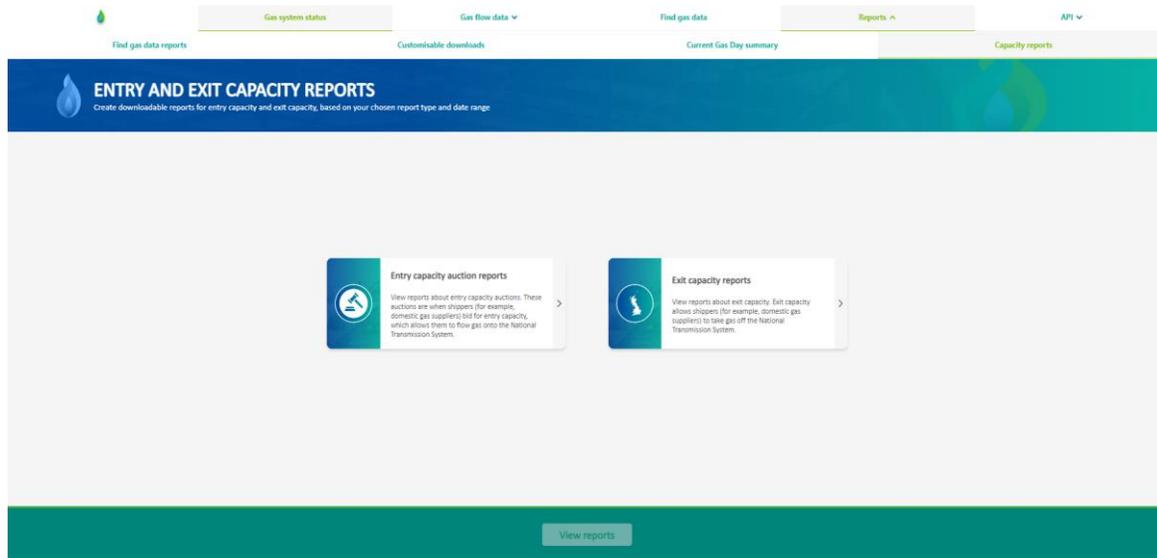
Customisable downloads

Customisable downloads used to be called User defined downloads. This allows you to view a graph based on the data you want to see. You can also choose the time period that you want to view the data for.



Capacity Auction Reports

Capacity reports contains reports about entry and exit capacity. You can view PDF reports based on the report type and time period that you want to see data for.



The Capacity Auction reports are now available as part of the Reports Suite. These reports allow you to select the Auction Type, Report Type and relevant dates all in a single accessible location.

Application Programming Interface (API)

The screenshot shows a web interface for the Data Item SOAP API. At the top, there is a navigation bar with tabs for 'Gas system status', 'Gas flow data', 'Find gas data', 'Reports', and 'API'. Below this, there are two sub-tabs: 'Data Item SOAP API' and 'Instantaneous Flow SOAP API'. The main header area is dark blue with a water drop icon and the text 'DATA ITEM SOAP API' and 'This API gives access to data that is published about gas transmission data items.' The main content area has a gear icon and the title 'Data Item Simple Object Access Protocol (SOAP) Application Programming Interface (API)'. Below the title is the section 'About this API' with a paragraph explaining the API's purpose and a table of parameters. The table has four columns: 'Parameter Name', 'Data Type', 'Required', and 'Description'.

Parameter Name	Data Type	Required	Description
LatestFlag	String	OPTIONAL	When set to 'Y' only return the latest values published per Gas Day, otherwise all data published will be returned. Expected values 'Y' or 'N'.
ApplicableForFlag	String	OPTIONAL	When set to 'Y', the supplied 'From' and 'To' values are restricting the 'Applicable For' date. When set to anything else, they are applied to the 'Applicable At' date and time. Expected values 'Y' or 'N'.
FromDate	DateTime	REQUIRED	The date and time to apply as the 'From' value in the 'Applicable' restriction.
ToDate	DateTime	REQUIRED	The date and time to apply as the 'To' value in the 'Applicable' restriction.

We have updated the layout of the API page making it easier to access the details around our 2 API services:

- Data Item SOAP API
- Instantaneous Flow SOAP API

Please note there will be no impact to our **Application Programming Interface (API) Service**. Existing interfaces will be available as normal.

Help and Support

What's support is available?

Built into the site are specific reference points to help you navigate:

Support	Description
Information Icon 	Each report and data item will have information icon which when clicked will provide a description of the report/data item
About the Data Portal	Provides a high level overview of the key areas of the site and their purpose.
Glossary	List the key terms and definitions you may across while using the site.
Sitemap	Outlines the navigation areas that are available on the site.
Technical Guidance	Provides definitions and guides on specific technical areas of the site.
Data Triage Request	You will find on the footer of each page a link to request new data items.



As you start to explore the new site during if there are any issues you experience or have any questions then please contact us at Box.OperationalLiaison@nationalgrid.com with reference to “New Data Portal”.

Thank you

