**Energy - Flow Data Help Text**

**Report Title: Instantaneous Flows into the NTS**

**Publication Timescale:** Within Day

**Publication Time:** Every 12 Minutes

The Instantaneous Flows into the NTS Report shows the latest telemetered data

direct from the individual sites. Included are:

* 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, and
* All entry points that are owned and operated by National Grid (Grain LNG).

Sub Terminal capability levels and aggregation rules will be reviewed annually

(late summer) as part of the Transporting Britain’s Energy (TBE) process. Any

changes to the entry points displayed in the table as a result of the TBE process

will be advised via the website news page and the notes at least 4 weeks in

advance.

No history is available from this page - it will always show the most current data

available. Data will be displayed in tabular and graphical formats.

Data is provided at 2 minute resolutions, delivered to the internet at 12 minute

intervals. A total of five tables and three graphs will be displayed in this page.

**Instantaneous Flows into the NTS: Zone Supply Table and Graph –**

This table will display:

* All entry points that are capable of flowing at rates greater than 10mcm/day,
* All entry points that are owned and operated by National Grid (Grain LNG)
* Entry points that individually are not capable of accepting gas flows above 10mcm/day, but when aggregated with another entry point from the same Terminal or Storage type are above the 10mcm/day capability.

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The entry points will be displayed in alphabetic order.

* The table below shows the configuration and naming convention for the Zone Supply Table.



* Please note that boil off is excluded from the Short Range Storage sites
* Data quality indicators will be displayed (in the form of a red ’i’ above the data item with the quality issue). Users are advised of the applicable data quality indicator by placing their cursor over this indicator on screen. If there are multiple data quality indicators, all will be displayed.

The following data quality indicators will be provided:

* Amended - Data is manually amended and time stamped.
* Late - Data for time slot is received late
* Expired - Failure in telemetry.
* Substituted - Data is missing and the last known good value is published.

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A graph displays the latest published flows for all the entry points displayed in the

Zone Supply table. The graph will always show the latest position in the above

table.

The Zone Supply table will display the latest six snapshots of sub terminal and

storage flows into NTS at 2-minute granularity.

Flows for Isle of Grain are published at each of the NTS entry points (Grain NTS1

& Grain NTS2) and relate to their individual entry meters.

**Terminal Supply table and graph –**

* This table will display the total Terminal flows, irrespective of which the sub terminals are shown in the Zone Supply Table.
* There will be no data quality indicators displayed in this table.
* A graph displays the latest published flows for each Terminal displayed in the Terminal Supply table. The graph will always show the latest position in the above table.
* This Terminal Supply table will display the latest six snapshots of Terminal flows at 2-minute granularity.

The Terminal supply table will show the total aggregated system entry point flow

for Isle Of Grain. This includes Grain NTS1, Grain NTS 2 and also the Boil Off

flows into the Southern LDZ.

The Terminal supply table also shows each of the Short Range Storage sites with

their respective summated export flows and Boil Off flows.

**Total Supply table –**

* This table will display the total flow into the NTS.
* There will be no quality indicators displayed in this table.
* There is no graph associated with this table.
* This Total Supply table will display the latest six snapshots of Total Supply flows at 2-minute granularity.
* The total in this table includes all flows from Sub Terminals, Storage and Interconnectors, not just those that are included in the Zone supply table.
* Flows from Onshore Fields are not included.

**Download Data –**

* Users can download the data displayed in each of the tables by selecting the user defined download option on the left-hand side of the page next to the first table.
* Files downloaded in csv format.
* Data provided up to 5 decimal places
* Quality indicators are included in the file downloads (including amended timestamp (if any)).

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**Application Programming Interface (API) –**

* Users can download data in XML format via an API.
* 2 separate APIs developed

o An API to provide the latest published data and notes

o An API to provide the last publication time

* It is recommended that users use both API’s to avoid downloading duplicate data and to ensure an efficient download
* More data on the APIs can be found from the Energy – Flow Data area of the website: <http://energywatch.natgrid.co.uk/>

**Timestamp –**

* The page shows the actual date/time when the last publication was

published.

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