

## EU2015 – Information Provision



Rhys Ashman, Operational Compliance Manager  
Kate Chamberlain, Operational Strategy Engineer

# Agenda

---

1	Introduction	<ul style="list-style-type: none"><li>• European Legislation &amp; the MIPI EU2015 project</li><li>• Information Provision</li></ul>
2	MIPI Proposed Solution	<ul style="list-style-type: none"><li>• Change schedule</li><li>• Data Item Explorer</li><li>• Report Explorer</li><li>• API</li></ul>
3	MIPI Alternative Solution	<ul style="list-style-type: none"><li>• Why</li><li>• Change schedule</li><li>• Data Item Explorer</li><li>• Report Explorer</li><li>• API</li></ul>
4	GMRS Solution	
5	Contact Us	

# European Legislation

---

**The Third Energy Package came into law in 2011 with the aim of creating a harmonised European internal energy market.**

- The new legislation introduced a new obligation to create the European Network of Transmission System Operators for Gas (ENTSOG) and the Agency for the Co-operation of Energy Regulators (ACER).
- One of the key objectives was to prepare EU Network Codes to provide a competitive and efficient energy market in gas.
- EU Network Codes include Congestion Management Principles (CMP), Capacity Allocation Mechanism (CAM), Balancing, Interoperability and Tariffs etc.
- Compliance is being delivered in 4 implementation phases, which are being delivered between 2013 and 2017.

# EU2015 Project

---

## Phase 2 obligations become effective from 1<sup>st</sup> October and 1<sup>st</sup> November 2015

- **1<sup>st</sup> October 2015: New Gas Day Timings**
  - The Gas Day currently starts at 06:00 until 05:59. The New Gas Day will be 05:00-04:59.
- **1<sup>st</sup> November 2015: Commercial Split of Bacton ASEP**
  - The Existing Bacton ASEP consists of 6 sub terminals, which is a combination of 2 Interconnector Points and 4 UKCS (Beach) sub-terminals.
  - The Bacton ASEP will be split into 2 new ASEPs;
    - Bacton IPs (Bacton Interconnection Points): BBL & I(UK)
    - Bacton UKCS (Sub-Terminals): Perenco, Shell, Seal & Tullow
- As a result of these obligations, we are required to publish new data.

# Information Provision

---

**Facilitation of the Gas Market through provision of timely and accurate data and information.**

**MIPI**      **Market Information Provision Initiative**

- Wealth of gas market information published at different frequencies.

**GMRS**      **Gas Market Reporting System**

- Near real-time instantaneous entry flow data.

Website  
vs. Automatic  
Programmable Interface  
(API)

Uniform Network Code  
&  
European Code

OFGEM  
Incentive

# Information Provision – Impact of EU2015

---

**We have new information provision obligations and we have designed two approaches to implementing necessary changes in MIPI.**

- The applications are extensively used and host a wealth of data; the volume of requests is already impacting performance.
- Our Proposed solution will deliver all the usual functions with minimal change.
- Our Alternative solution will meet our minimum compliance requirements of European Law, whilst maintaining performance and availability of MIPI and GMRS for all users.

# MIPI - Proposed Solution



# Our Proposed Solution

---

**New data will be accessible in the usual way.**

- A number of changes will be made to the MIPI application, which will include the provision of new and re-named data items.
- Data is accessible via the usual routes;
  - Data Item Explorer ('pick and mix')
  - Report Explorer (pre-defined reports)
  - API service (automatic download request)
- API users will be required to update their requests to retrieve new or re-named data items.



# The Change Schedule

---

<b>2<sup>nd</sup> July</b>	<b>15<sup>th</sup> July</b>	<b>5<sup>th</sup> September</b>	<b>1<sup>st</sup> October</b>	<b>1<sup>st</sup> November</b>
Implementation of new Data Items	Implementation of new Data Items	Data Items re-named	Report headings and label changes	Data flow commences

# The Change Schedule

2nd      15th      5th      1st      1st

**2<sup>nd</sup> July**



Page	Change
Data Item Explorer	273 new data items, some visible on DIE but no associated data.
Report Explorer	N/A
API Service	N/A
Instantaneous Flows	N/A

# The Change Schedule

2nd 15th 5th 1st 1st

15<sup>th</sup> July



Page	Change
Data Item Explorer	265 new data items visible, some on DIE but no associated data.
Report Explorer	N/A
API Service	N/A
Instantaneous Flows	N/A

# The Change Schedule

2nd      15th      5th      1st      5th      1st

## 5<sup>th</sup> September

Page	Change
Data Item Explorer	267 data items re-named. Historic data retrieval will be via the new name.
Report Explorer	Renamed data items will be contained within any relevant reports in the CSV and XML download from Report Explorer.
API Service	API Users will need to update their requests to retrieve the renamed data items. Any queries to old data items will fail.
Instantaneous Flows	N/A

# The Change Schedule

2nd      15th      5th      1st      5th      1st

## 1st October

Page	Change
Data Item Explorer	N/A
Report Explorer	The report headings in two reports will change to reflect the new Gas Day; the Nomination Report and the Daily Operation Information (NORD01c) report.
API Service	N/A
Instantaneous Flows	The Gas Day label will change in accordance with the new Gas Day timings.

# The Change Schedule

2nd      15th      5th      1st      5th      1st

## 1<sup>st</sup> November

Page	Change
Data Item Explorer	Data flow for the previously implemented data items will now commence.
Report Explorer	There are 6 completely new reports. New data will be visible in some existing reports.
API Service	All new data items will be available to retrieve via the API service.
Instantaneous Flows	Data will be aggregated according to the two new Bacton ASEPs.

# Data Item Explorer

## A number of new and re-named data items delivered in 3 stages

<p>Step 1 2<sup>nd</sup> July </p>	<ul style="list-style-type: none"> <li>273 new data items to be incorporated into existing reports. This covers scenarios such as the Bacton ASEP splitting into the two new ASEPs.</li> <li>The data items will be visible on 2<sup>nd</sup> July 2015 but publication of this data will not commence until 1<sup>st</sup> November 2015.</li> </ul>
<p>Step 2 15<sup>th</sup> July </p>	<ul style="list-style-type: none"> <li>265 new data items associated with completely new reports.</li> <li>The data items will be visible on 15<sup>th</sup> July 2015 but publication of this data will not commence until 1<sup>st</sup> November 2015.</li> </ul>
<p>Step 3 5<sup>th</sup> September</p>	<ul style="list-style-type: none"> <li>Existing data items already in the MIPI application will be permanently re-named.</li> <li>This covers scenarios such as revised time periods to reflect the new Gas Day e.g. instead of 06:00-12:00, the new data items reflects the 'first 6 hours of the Gas Day' and the re-naming of 'off-peak' capacity items to 'interruptible' for the Interconnection Points.</li> </ul>

# Report Explorer

**There will be 6 Completely NEW reports**

	<b>Report Name</b>	<b>Description</b>
1	Monthly IP Entry Cap Reserve Price-CMP	Entry capacity Cleared, Reserve and Premium price for the IP Monthly Auction.
2	No LT Firm Entry Capacity offered-CMP	Details when no Long Term Entry capacity has been offered via the CMP mechanism.
3	Total Entry Capacity Made Available-CMP	The total amount of Entry capacity made available via the CMP mechanism.
4	Monthly IP Exit Cap Reserve Price-CMP	Exit capacity Cleared, Reserve and Premium price for the IP Monthly Auction.
5	No LT Firm Exit Capacity offered-CMP	Details when no Long Term Exit capacity has been offered via the CMP mechanism.
6	Total Exit Capacity Made Available-CMP	The total amount of Exit capacity made available via the CMP mechanism.



# Report Explorer

**11 EXISTING Reports have new or re-named data items**

Report Name	Reason for New Data Items		
	Bacton ASEP Split	Gas Day Change	New Capacity Product
Daily Auction Summary	✓		
Exit Capacity Availability	✓		✓
Long Term Capacity Auction	✓		✓
Capacity Availability Report	✓		✓
Future Entry Capacity Traded (NORD03a)	✓		
Future Entry Capacity Traded - Capacity (NORD03b)	✓		
Future Entry Capacity Traded - Transactions (NORD03c)	✓		
Within Day Entry Capacity Traded - Transactions (NORD03d)	✓		
Within Day Entry Capacity Traded - Capacity (NORD03e)	✓		
Aggregated Day Ahead Nominations	✓	✓	
Daily Operation Information(NORD01c)	✓	✓	

# API Service

All data will be available via the API service

- The API Data Item List will be updated on the Supporting Information page.
  - <http://www2.nationalgrid.com/uk/industry-information/gas-transmission-operational-data/supporting-information/>
- Users need to make changes to their API request to obtain the full report; this will not take place automatically.

Date	Action Required
5 <sup>th</sup> September 2015	Requests need to be amended to pick up the <b>re-named data items</b> .
1 <sup>st</sup> November 2015	Requests need to be amended to pick up <b>all completely new data items</b> .

# The Proposed Solution

---

**This is our preferred approach.**

- Based upon testing undertaken to date, we have confidence that the EU code changes will not significantly affect MIPI performance.
- As a result, this Proposed solution is our preferred approach.
- However, we have also developed an Alternative solution as a contingency.

# MIPI - Alternative Solution



## An Alternative Solution

---

**An approach to meet our minimum compliance requirements of European Law, whilst maintaining performance and availability of MIPI and GMRS for all users.**

- The applications are extensively used and host a wealth of data; volume of requests is already impacting performance.
- Potential implementation of an ‘alternative’ solution to limit on system performance but this does pose restriction on how users obtain data;
  - New data items not available to select through Data Item Explorer
  - New data items not available to request through API service
  - ONLY able to download through Report Explorer
- Once implemented, it will not be possible to revert to the proposed solution.

# Communications

---

## How will you know if the Alternative solution has been implemented?

- The Proposed solution will be implemented in the first instance and we will continue to monitor reliability and availability of the system.
- If performance starts to decline, we will implement the Alternative solution.
- We will endeavour to give you as much notice as possible, at least 3 Business Days.
- However, if system performance quickly reaches an unacceptable level, this may not be feasible.
- We will implement the alternative solution to bring system performance back up to normal levels and will issue the appropriate communications as soon as possible.
- We will use the following communication channels; our website, the Energy Networks Association distribution list and our industry forum distribution contact list.

## Alternative: Data Item Explorer

---

**It will not be possible to select data from Data Item Explorer once the Alternative solution is implemented**

- No new data items are visible (aside from NORD03a report)
- Re-named data items are a permanent change and will still be available.
- Retrieval of the new data items must be via the new download function in Report Explorer.

# Alternative: Report Explorer

All data continues to be available via Report Explorer if the Alternative solution is implemented.

- New functionality in Report Explorer to obtain data from 1<sup>st</sup> November.

The screenshot shows the 'Report Explorer' interface for 'Day Ahead Gas Flow Nominations'. It includes a 'Quality Indicator Legend' with status indicators (Expired, Amended, Corrected, Substituted, Late Received) and download options for CSV and XML. A red box highlights the 'Download EU2015 data' button, with an arrow pointing to a dialog box titled 'Download Report - Historical Gas Data'. The dialog box contains a 'Report Name' dropdown set to 'Day Ahead Gas Flow Nominations', 'Select Month' (January) and 'Select Year' (2015) dropdowns, and buttons for 'Get Report in CSV', 'Get Report in XML', and 'Close'. On the left, a table lists 'Aggregate Day Ahead Nominations' for 'Gas Day: 12/07'.

ASEP Name	Nominations
Aldbrough	
Avonmouth	
Bacton IPs	
Bacton UKCS	
Barrow	
Dynevor Arms	
Easington (incl. Rough)	1
Glenmavis	
Hill Top Farm	
Holford	
Hornsea	-10,983,814 <sup>L</sup>
Isle Of Grain	210,752,013 <sup>L</sup>
Milford Haven	296,360,001 <sup>L</sup>
Partington	0 <sup>L</sup>
St Fergus	802,978,661 <sup>L</sup>
Stublach	2,902,345 <sup>L</sup>
Teesside	162,814,500 <sup>L</sup>
Theddlethorpe	128,362,886 <sup>L</sup>

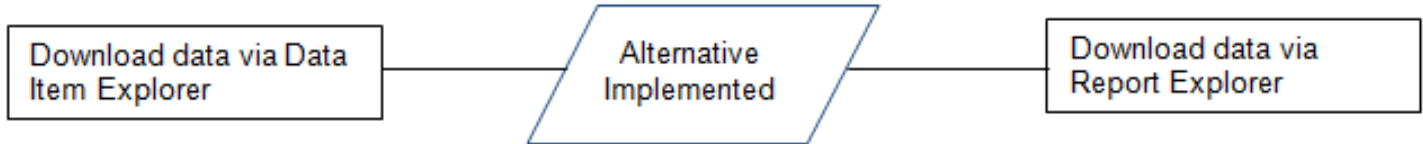


# Alternative: Report Explorer

---

## Something to consider...

- Data Item Explorer to be used pre-implementation, Report Explorer to be used post- implementation.



## Alternative: API

---

**The API service will be available but it will not be possible to retrieve any of the new data items**

- The API Data Item list on the Supporting Information page will be updated to reflect the data items available to retrieve.

# GMRS Solution



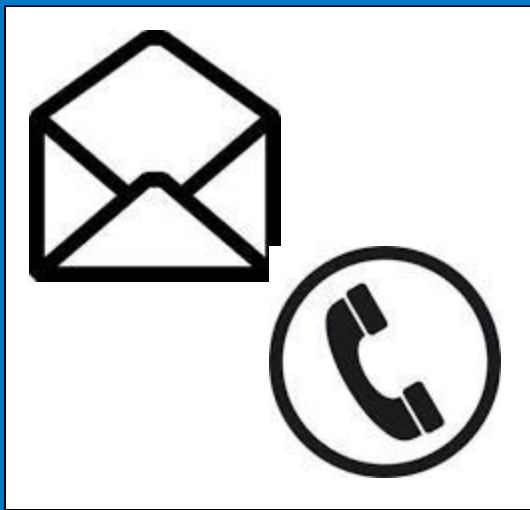
# GMRS

---

## Our real-time flows application will reflect the new Gas Day and the Commercial Bacton Split

- Gas Day labels will be configured to reflect the new Gas Day timings 05:00-04:59
- Bacton ASEP will be presented as two ASEPS; Bacton IPs and Bacton UKCS.
  - All three data points will be available in the User Defined Download page to enable the retrieval of historic data.
- The possible implementation of the 'Alternative' solution has no impact on GMRS.

## Supporting Documentation & Contact Us



# Supporting Information

---

All of the information above is available in a comprehensive guide, which has been published to the website.

- Supporting Information page
  - Project: EU2015 - 'EU2015 Information Provision' guide;
- <http://www2.nationalgrid.com/uk/industry-information/gas-transmission-operational-data/supporting-information/>

## Project: EU2015

---

New European legal and regulatory obligations will be effective from 01/10/2015 and 01/11/2015. These relate to the following EU Codes;

- Capacity Allocation Mechanism (CAM) and Congestion Management Principles (CMP)
- Balancing
- Interoperability
- Transparency

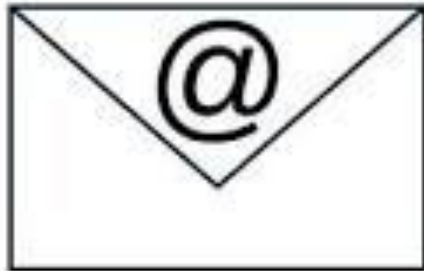
In compliance with these obligations, a number of changes will be made to the MIPI and GMRS applications.

Please refer this [EU2015 Information Provision](#) guide, which provides advice for the project, including the programme of work and the new data that will be available.

# 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](mailto:Sysop.Centre.Reporting@nationalgrid.com)



**+44 (0) 1926 65 6474**