

Change Programme



NG Gas Portfolio Plan*

*projects with Shipper impacts

| Project Status | Project Name | Contact | Change Driver | 2017 | | | | | | | | | | | | |
|----------------|---------------------------|---------------|---------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
| In Flight | Demand Side Response | Debbie Brace | Regulatory | Delivery  | | | | | | | | | | | | |
| In Flight | MIPI Web Tier Replacement | John McNamara | Asset Health | Delivery  | | | | | | | | | | | | |
| In Flight | GB Remit | John McNamara | Regulatory | Delivery  | | | | | | | | | | | | |
| Pipeline | EU Capacity | Chris Gumbley | Regulatory | Delivery  | | | | | | | | | | | | |
| Pipeline | EU Tariffs | Chris Gumbley | Regulatory | Timescales tbc | | | | | | | | | | | | |

| Key | |
|--------------------------------------|---|
| Planned system delivery timescales |  |
| Estimated system delivery timescales |  |
| Implementation Milestone |  |

Gas Demand Side Response



Demand Side Response (DSR)

- Project Description
 - MOD 0504 – Demand Side Response post a Gas Deficit Warning
- Change Driver: Regulatory – Special Licence Condition 8I
- Implementation Date: 1st October 2016
- Operational Impacts to Industry:
 - Shipper contracts with large industrial consumers
 - DSR bids will be posted using existing locational market on the OCM by the Market Operator
- Industry Activities Envisaged:
 - None
- Engagement Approach for Operational Elements:
 - Gas Ops Forum
 - National Grid continue to send gas DSR updates via email. If you wish to be part of the mailing list please get in contact using the email details below
- Contact Details
 - gas.dsr.implementation@nationalgrid.com

What is Demand Side Response?

- 2011 Ofgem initiated the Significant Code Review
 - highlighted insufficient commercial interruptible gas supply contracts in the market
 - concluded that during times of insufficient gas supply DSR could reduce the likelihood, severity and duration of a Gas Deficit Emergency (GDE).
 - concluded that DSR should be encouraged to provide a “route to market” for large gas consumers.
- DSR methodology developed in consultation with stakeholders
- Ofgem directed implementation of UNC modification 0504 on the 2nd February 2016 with a go live date of 1st October 2016

How will DSR work?

- The locational On the day Commodity Market (OCM) will be used to facilitate gas DSR
 - Submitted onto the market at any point by a Shipper for an eligible supply point with an annual quantity of greater than 58,600,000 kWh
 - Offers will not be visible to the market until a GDW is declared
 - Offers can be updated at any point up until an Offer is accepted, the GDW is withdrawn or Stage 2 GDE is declared
 - Offers will be accepted based on national requirement and will be accepted in price stack order
 - DSR offer price will be fed into SAP and SMP buy
- Only National Grid can accept DSR Offers

Benefits of DSR

- Additional pre-emergency tool available in a tight market (post GDW declaration)
- Provides a pre-emergency route to market for large consumers
 - Potential to reduce the likelihood of entering into a Gas Deficit Emergency (GDE)
 - Provides a new route to recover costs vs face risk of firm load shedding under an emergency

Questions?

- Contact Steve.Kew@nationalgrid.com

MIPI Web Tier Replacement

- Project Description
 - The project will replace the MIPI Web Tier with a flexible and scalable cloud-based service.
- Change Driver: Asset Replacement
- Implementation Date: November 2016 amended from September 2016
- Operational Impacts to Industry:
 - Primary goal is to deliver improved overall reliability of service with stable performance
 - User functionality will be replaced 'as-is', minimising impact on external customers
- Industry Activities Envisaged:
 - Engagement and assurance activities associated with testing and implementation (includes API testing) in Late October / Early November amended from July 2016
 - We will be putting out message appealing for the support of all users to aid with understanding of usage patterns and consumption levels during this testing period, which will inform the go live decision /design. One additional item of interest to the project is the usage and consumption of pre-defined reports in the current system in particular
 - If you are willing to be contacted in relation usage patterns, consumption levels or pre-defined reports, please provide us with relevant contact details
- Engagement approach for operational elements:
 - Gas Ops Forum and SO Forum
 - Key communications via MIPI website
- Contact Details
 - businesschange.mipiep@nationalgrid.com or 07970 493 834

MIPI (Web Tier Update)

- Current Testing Plan Update:
 - Market Trials Testing currently planned to run from **31/10 to 17/11**
- Testing URL
 - National Grid will issue a URL specific to testing ready for start date
 - This will be for testing only, production will remain as is
- Contact Details:
 - businesschange.mipiep@nationalgrid.com or
 - Tele: 07970 493 834

MIPI (Web Tier Update)

- Testing Environment:
 - Will be a “copy” of the production including a real time data feed
- Testing
 - API testing will be available
 - Prevailing View Page
 - Instantaneous Flows Page
 - Report Explorer (All Reports)
 - Data Item Explorer (All Data Items)

MIPI (Web Tier Update)

- Caveats:
 - Ensure you copy your API queries for testing and keep originals
 - There will be a small degree of data latency due to changes in data flow
 - This will be the same for all users
 - This will only be for the period until we upgrade the database
- Screen Scraping
 - Due to new software item may be slightly positioned differently

MIPI (Web Tier Update)

- Report Explorer
 - All reports will remain as is from a contents perspective
 - Look and feel will remain as is
 - Site names to be aligned
 - CSV and XML download still available
 - XML layout will be different
 - Help section will be removed and replaced by a single report
- Data Item Explorer
 - No change to any functionality
 - Site names to be aligned
 - CSV and XML Download still available

MIPI (Web Tier Update) cont.

- API Functionality

- No change in functionality

- Data names will remain the same as is

- Requests:

- Currently testing against IE8, IE11, Google Chrome, Firefox and Mozilla

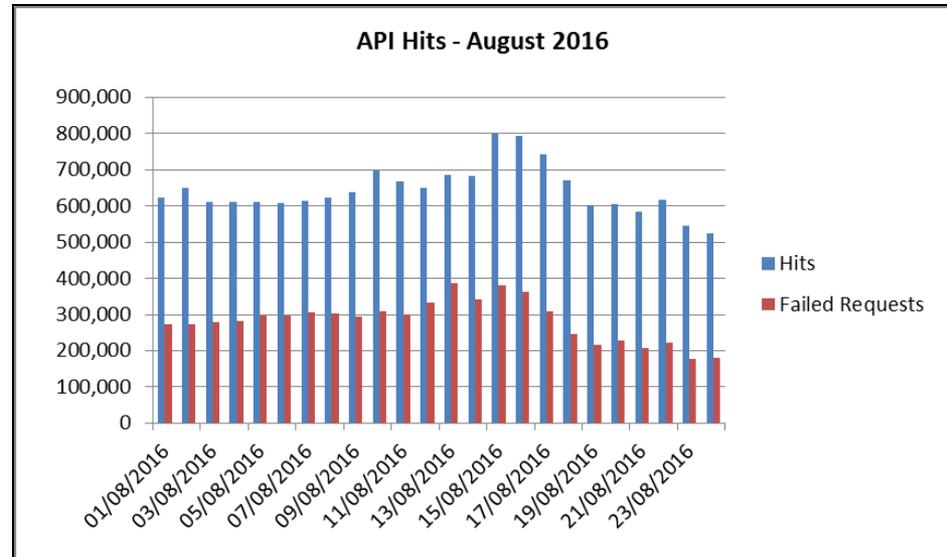
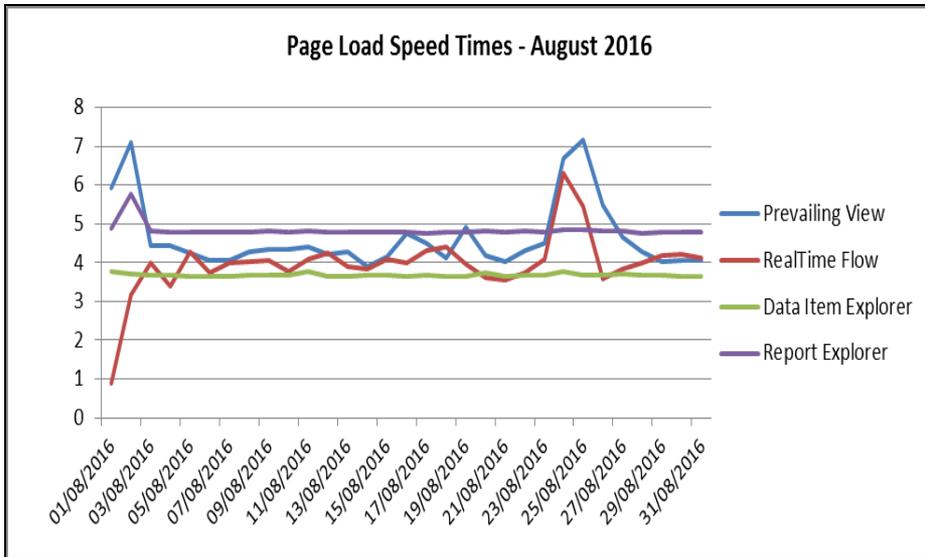
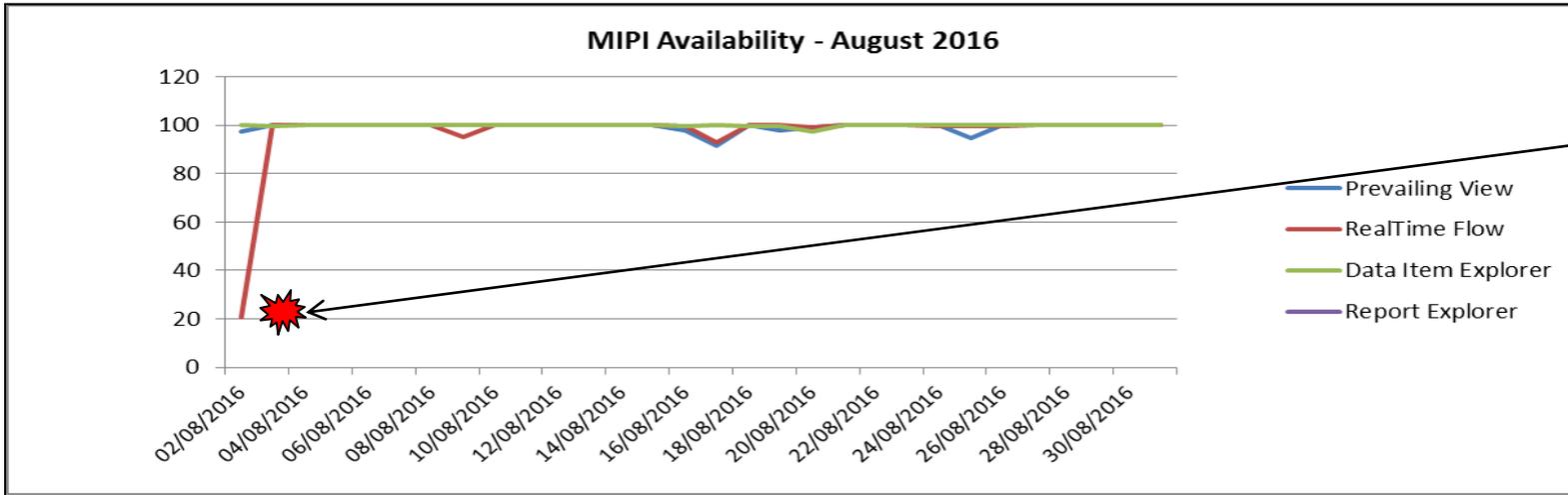
- Are any of you using a lower version of IE?

- Are any of you using any other browsers

- Market User Trials:

- Currently planning for this to be around October / November

MIPI Performance Statistics



GB Remit

■ Project Description

- National Grid currently offers a non-obligated service to the industry via which they can choose to meet their obligations under REMIT to publish inside information.
- There is now additional REMIT obligations that came into force from Jul 2016, requiring service providers to provide web feeds of the data to ACER in an XML format. Feeds would not be monitored until Jan 2017 to allow TSOs to focus on other REMIT projects.

■ Change Driver: REMIT regulations

■ Implementation Date: 1st January 2017.

■ Operational Impacts to Industry:

- A new xml structure for reporting urgent market messages via GB remit website

■ Industry Activities Envisaged:

- Support required from ACER to test and confirm GB Remit structured XML feeds are being received correctly.
- Support required from a few key users to test the xml structure (October/November)

■ Engagement Approach for Operational Elements:

- Gas Ops Forum
- Key communications via NG website

■ Contact Details

- Tel: 07970 493834 Email TBC