

Public

BMRS User Group

Meeting 7

16 April 2015

ELEXON

Health & Safety

In case of an emergency

An alarm will sound to alert you. The alarm is tested for fifteen seconds every Wednesday at 9.20am

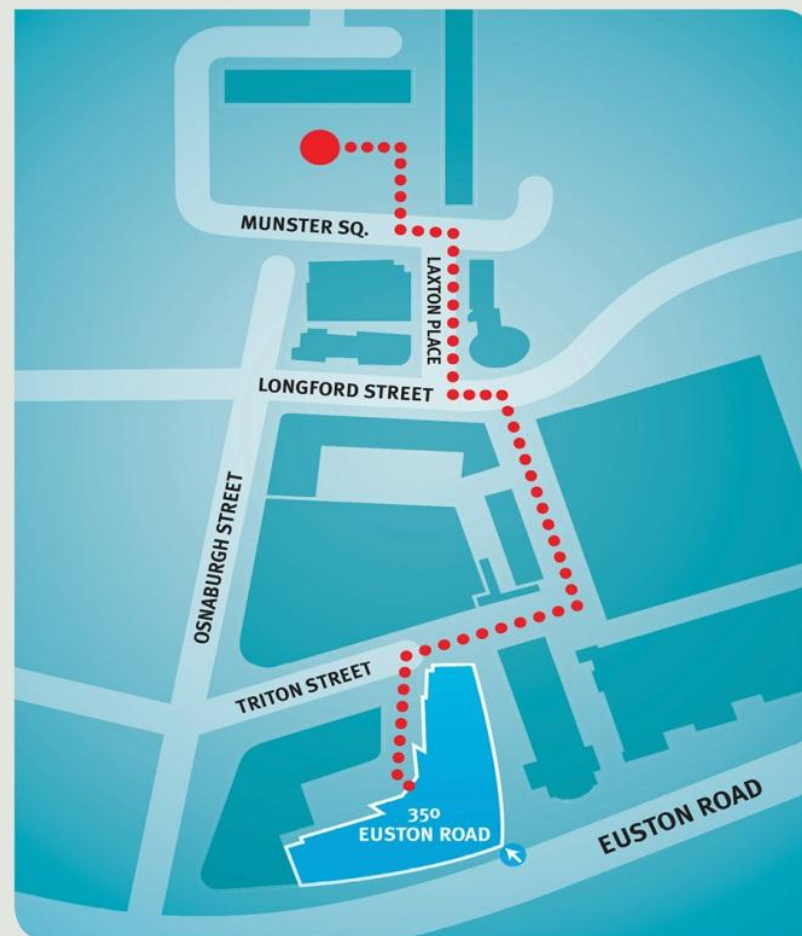
Evacuating 350 Euston Road

- If you discover a fire, operate one of the fire alarms next to the four emergency exits.
- Please do not tackle a fire yourself.
- If you hear the alarm, please leave the building immediately.
- Evacuate by the nearest signposted fire exit and walk to the assembly point.
- Please remain with a member of ELEXON staff and await further instructions from a Fire Warden.
- For visitors unable to use stairs, a Fire Warden will guide you to a refuge point and let the fire brigade know where you are.

When evacuating please remember

- Do not use the lifts.
- Do not re-enter the building until the all clear has been given by the Fire Warden or ground floor security.

Our team on reception is here to help you, if you have any questions, please do ask them.



Agenda

- Introductions
- Update on project
- Submission of Inside information to Acer
- Transparency User Group
- Data Push Service
- Phase 3 Screens
- Actions Update
- AOB
- Lunch (\approx 13:00)

General Update on project

- Phase 1 (P291/295)
 - Delivered P291/295
 - Fixing defects and improvements to solution

- Phase 2 (Parallel load of existing BMRS flows to new platform and data push)
 - Implementation planned after June Release (late July)

- Phase 3 (New BMRS front end, Calculations Engine)
 - Design phase



Submission of Inside information to Acer

Context (what we know so far)

- REMIT Implementing Regulation
 - Article 10(1) requires web feeds from all REMIT platforms (including market participants' own websites) to allow ACER to collect inside information data efficiently
- ACER desired (in March) to:
 - standardise data it collects via these web feeds and contacted the national platforms (including ELEXON for BMRS) to discuss this in March
 - remove variances between national platforms including nomenclature, units, detail, feed types (RSS, etc.) (ACER appeared to prefer RSS)
 - add some new, additional, data
 - implement data collection on 7 October to align with trade reporting! (ACER itself said it is ready to start collecting from May) *Personal view: a desire not a legal requirement*
- ACER plans to issue public consultation on this in mid April
 - this will publicly confirm ACER's thinking now

Our thinking so far

- October deadline will not be possible
- Will require a BSC Modification to change existing data descriptions & add new ones (or link to ACER Guidance) and change systems
 - timing issue has been flagged to ACER informally
- May require changes to market participant systems
 - (some) inside information data will be more precisely specified (content and format)?
 - And because central platforms should not process market participant's data



Transparency User Group

Transparency User Group

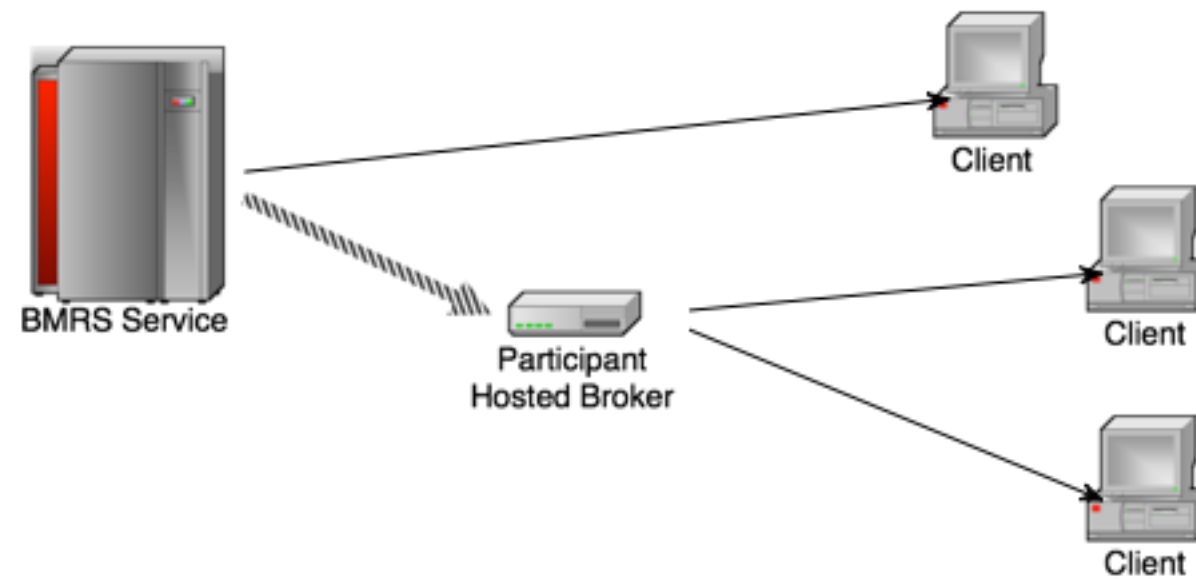
- ENTSO-e created a Transparency Platform User Group
- Kick off meeting on the 21 April
- Agenda include (Purpose of the group, Usability Issues, Data issues)
- How parties use the data from EMFIP?
- Key issues with EMFIP interface



Data Push Service

Data Push Service

■ Recap



Data Push Service

- Documentation
 - Protocols
 - Message structure

Data Push Service

■ Testing

—Dates

- A Participant Testing window for users interested in testing Data Push will be made available around mid-June

—Testing profile

- Once connected, either directly to the new BMRS broker or indirectly via a broker to broker arrangement, users will receive data as it is published.
- Data publication should follow the normal publishing timeframes as OAT will be in close parallel processing mode to Live

Data Push Service

- Questions?



Phase Three Screens

- Electricity Data Summary
- Discussion on Balancing Data

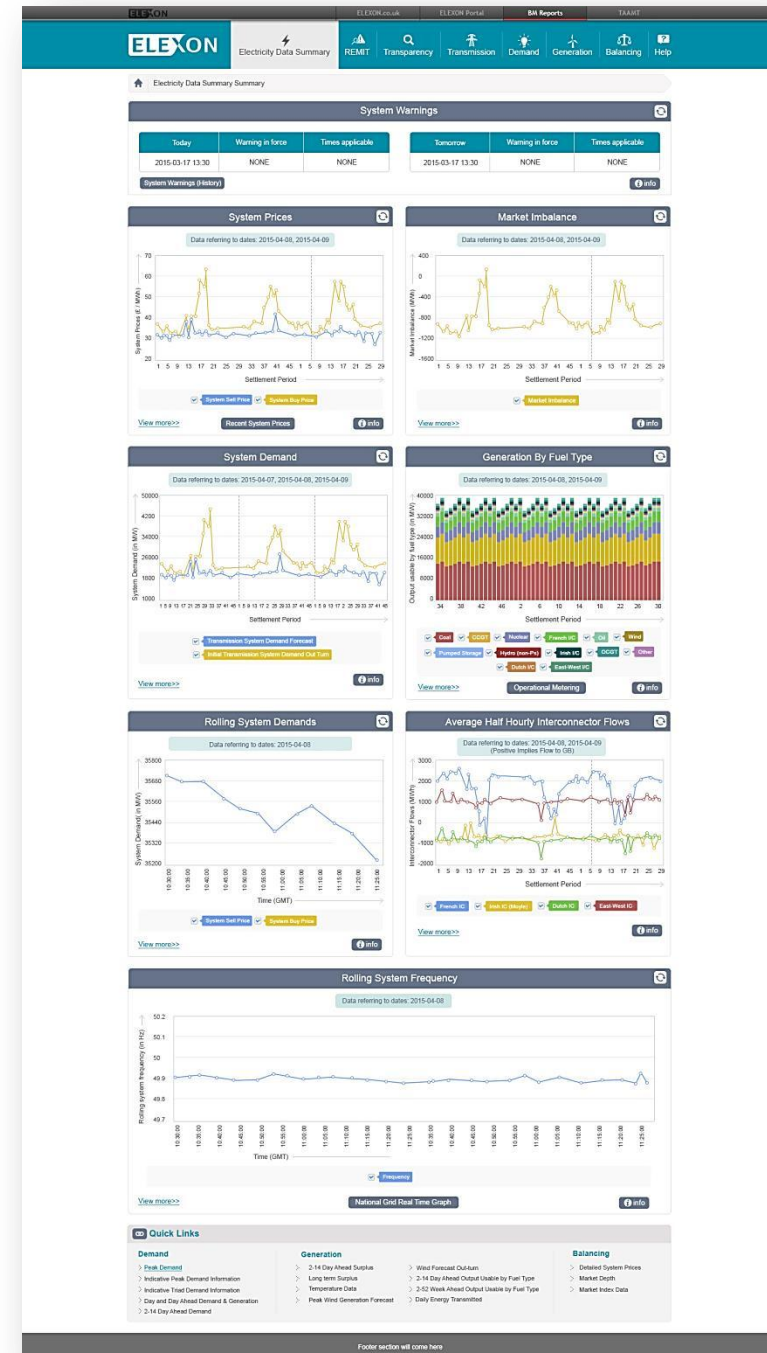
Electricity Data Summary

- Main purpose of EDS page

Dashboard of short term frequently changing information

- New EDS page Highlights

- Reduced the number of items which would improve the page load performance
- Widget based auto refresh for items on the EDS page
- Improved Usability, general representation and placement of items
- Mid/Longer term varying items moved to relevant sections and Quick Links provided at the bottom



System Warnings

Today	Warning in force	Times applicable
2015-03-17 13:30	NONE	NONE

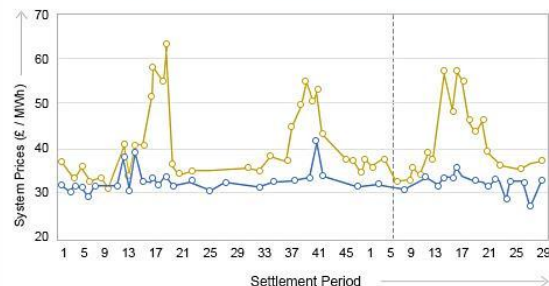
System Warnings (History)

Tomorrow	Warning in force	Times applicable
2015-03-17 13:30	NONE	NONE

info

System Prices

Data referring to dates: 2015-04-08, 2015-04-09



☒ System Sell Price ☒ System Buy Price

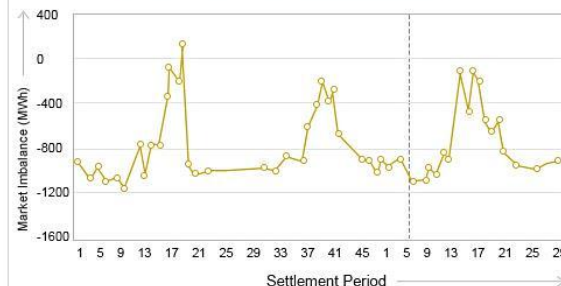
[View more>>](#)

Recent System Prices

info

Market Imbalance

Data referring to dates: 2015-04-08, 2015-04-09



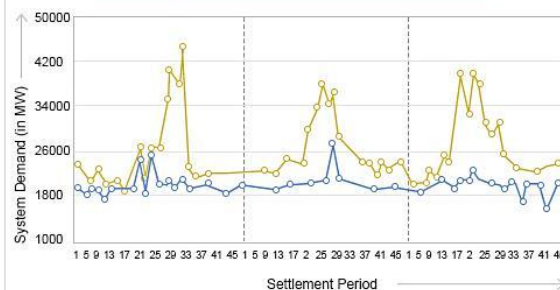
☒ Market Imbalance

[View more>>](#)

info

System Demand

Data referring to dates: 2015-04-07, 2015-04-08, 2015-04-09



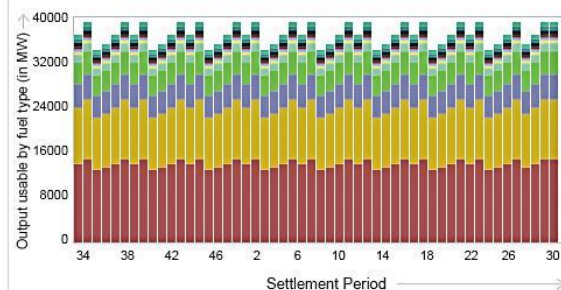
☒ Transmission System Demand Forecast
☒ Initial Transmission System Demand Out Turn

[View more>>](#)

info

Generation By Fuel Type

Data referring to dates: 2015-04-08, 2015-04-09



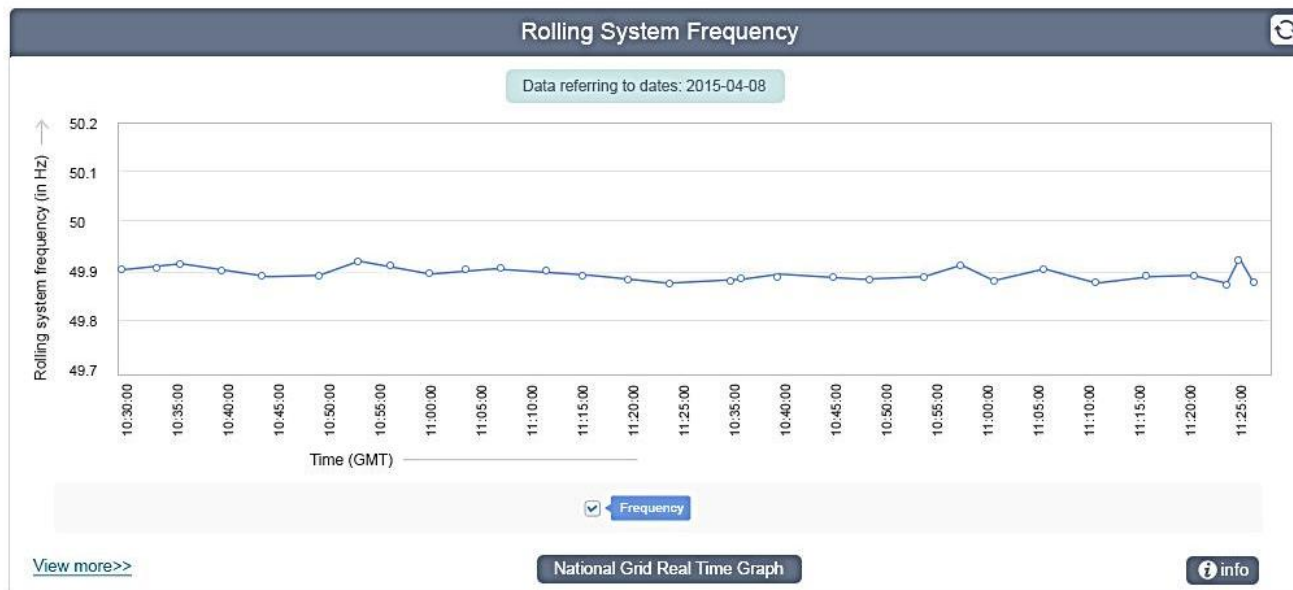
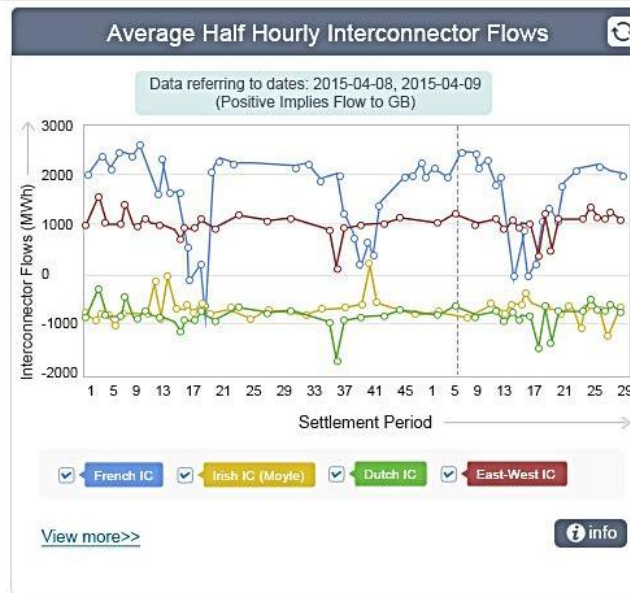
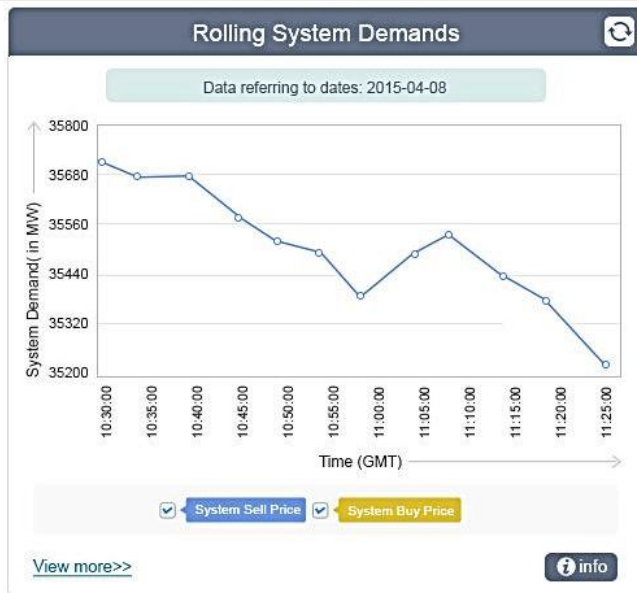
☒ Coal ☒ CCGT ☒ Nuclear ☒ French I/C ☒ Oil ☒ Wind
☒ Pumped Storage ☒ Hydro (non-Ps) ☒ Irish I/C ☒ CCGT ☒ Other
☒ Dutch I/C ☒ East-West I/C

[View more>>](#)

Operational Metering

info

Indicative
Graph and
Data



Quick Links

Demand

- [Peak Demand](#)
- [Indicative Peak Demand Information](#)
- [Indicative Triad Demand Information](#)
- [Day and Day Ahead Demand & Generation](#)
- [2-14 Day Ahead Demand](#)

Generation

- [2-14 Day Ahead Surplus](#)
- [Long term Surplus](#)
- [Temperature Data](#)
- [Peak Wind Generation Forecast](#)
- [Wind Forecast Out-turn](#)
- [2-14 Day Ahead Output Usable by Fuel Type](#)
- [2-52 Week Ahead Output Usable by Fuel Type](#)
- [Daily Energy Transmitted](#)

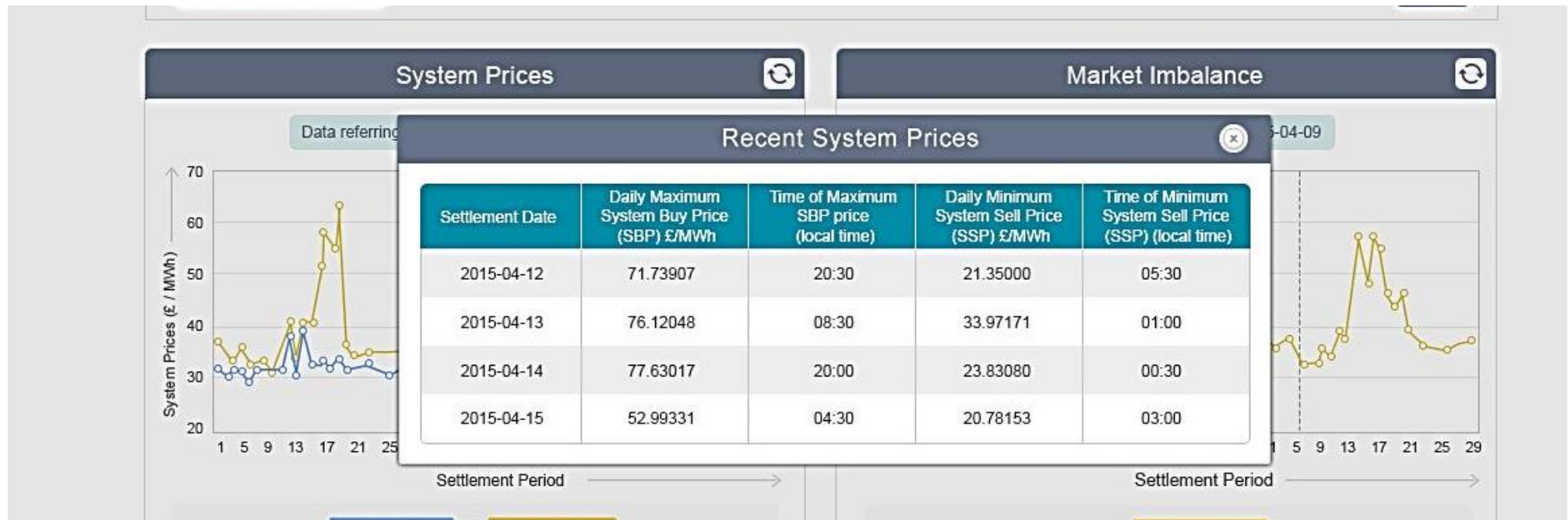
Balancing

- [Detailed System Prices](#)
- [Market Depth](#)
- [Market Index Data](#)

Indicative Graph
and Data

LEXON

EDS - Popup for any bits of additional data



Indicative Graph
and Data

"Info" pop ups on the new EDS



Indicative Graph
and Data



Discussion on Balancing Data

Discussion on Balancing pages

- Existing BMRS BM Unit Data (Phy, BO, Dyn, BSV, Derived, Acc, DisBSAD) accessed in two ways:
 - For one settlement period covering all BM Units accessed via:
 - System prices page
 - BM Unit Data > BM Unit Data Selection
 - BM Unit Search
 - For one BM Unit covering all settlement periods on a particular settlement day
 - BM Unit Data > BM Unit Data Selection
 - BM Unit Search

In the new BMRS we endeavor to improve the usability without losing the flexibility of accessing relevant data

New BMRS: Physical Data – BM Unit(s) for a particular SP

Select

Settlement Date

Settlement Period

< Select Current

More Filters [+]

View

Reset

Populate with current SD and SP.

No Multiple SP select

FPN

QPN

MEL

MIL

BOAL

All physical data

XML

CSV

BM Unit ID	BM Unit Type	Lead Party Name	NGC BM Unit Name	SP	From Time (GMT)	From Level (MW)	To Time (GMT)	To Level (MW)
2 ABGAS000	G	British Gas Trading Ltd	EAS-BGS01	3	13/04/2015 23:00	100	13/04/2015 23:30	120

Data Sets spread out as TABs rather than one below the other for Better Usability

Flat Table representation for ease of use – sorting etc

Only a strawman to facilitate discussion

New BMRS: Physical Data – BM Unit(s) for a particular SP

Select

Settlement Date*

Settlement Period*

< Select Latest/NRT

More Filters [-]

(* Mandatory)

BM Unit ID

BM Unit Type

Lead Party Name

NGC BM Unit Name

View

Reset

Minimum 4 letters needed for auto suggestions. All parameters in more filters are OPTIONAL

FPN

QPN

MEL

MIL

BOAL

All physical data

XML

CSV

BM Unit ID	BM Unit Type	Lead Party Name	NGC BM Unit Name	SP	From Time (GMT)	From Level (MW)	To Time (GMT)	To Level (MW)
2_ABGAS000	G	British Gas Trading Ltd	EAS-BGS01	3	13/04/2015 23:00	100	13/04/2015 23:30	120

Data Sets spread out as TABs rather than one below the other for Better Usability

Only a strawman to facilitate discussion

Flat Table representation for ease of use – sorting etc

New BMRS: BM Unit Search Data – One BM Unit for a one/all SP

Select

Settlement Date*

Settlement Period

*

< Select Latest/NRT

BM Unit ID**

NGC BM Unit Name**

**Minimum 4 letters needed for auto suggestions. BM Unit Selection is Mandatory

View

Reset

Search Results

BM Unit ID	BM Unit Type	Lead Party Name	NGC BM Unit Name	SP
2 ABGAS000	G	British Gas Trading Ltd	EAS-BGS01	3

Phy	BO	Dyn	BSV	Derived	Acc	DisBSAD
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FPN Data

From Time (GMT)	From Level (MW)	To Time (GMT)	To Level (MW)
13/04/2015 23:00	100	13/04/2015 23:30	120

QPN Data

From Time (GMT)	From Level (MW)	To Time (GMT)	To Level (MW)
13/04/2015 23:00	100	13/04/2015 23:30	120

XML	CSV
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MEL Data

From Time (GMT)	From Level (MW)	To Time (GMT)	To Level (MW)
13/04/2015 23:00	100	13/04/2015 23:30	120

MIL Data

From Time (GMT)	From Level (MW)	To Time (GMT)	To Level (MW)
13/04/2015 23:00	100	13/04/2015 23:30	120

BOAL Data

Acceptance ID	Acceptance Time	Deemed Flag	SO Flag	From Time (GMT)	From Level (MW)	To Time (GMT)	To Level (MW)
12332	13/04/2015 23:30	True	False	13/04/2015 23:00	100	13/04/2015 23:30	120

Only a strawman
to facilitate
discussion



Actions Update

Actions Update

- ELEXON/Cognizant to speak to CGI about how far TIBCO is from maximum capacity
 - No updates – this is a strategic piece.
 - If there are infrastructure upgrades, do we want to spend money?
- ELEXON to make Data Push user guide available before testing
 - User Guide is on plan. ELEXON to announce when they will make it available
- Participants to review and feedback comments when the user guide is issued
- Cognizant to confirm whether TTL can be switched off per subscription
 - *At an individual subscription level can we configure to suppress the push of persisted messages?*
 - This cannot be done as TTL is at a message level. Also the subscription may be to a participant side broker

Actions Update (Contd.)

- Cognizant to look into availability of RESTful API for Data Archive
 - *How do we propose to provide programmatic access to the data push archive?*
 - The proposal was to return potentially large ZIP files programmatically. Proposed approach is to use scripting against UI/URL
- ELEXON/CGI to look at the length of Data-Push testing
 - Potential Dates
- Cognizant to find out if Apache ActiveMQ has a heartbeat function and what the best way to notify of topics going down
 - *What does a participant need to do if the connection is lost to the broker?*
 - The solution is built with 99.9% availability
 - Subscriptions are durable
 - Reconnect logic will have to be configured on the participant side, based around the status of the connection.

Actions Update (Contd.)

- Users to comment on the data they would prefer to go on the EDS
 - Condensed after Review.
 - Only short-term items on the Summary Page
- ELEXON to raise issue with short notices of EMFIP outages with ENTSO-e
 - Flagged to ENTSO-e via Alex Haffner



AOB