



European Federation of Energy Traders

Gas Shippers perspective on TSO Transparency

Mark Dalton

Co-chair Information sub-group

ACER Transparency workshop

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- TSO transparency for transmission
 - Current: Data availability / User friendliness
 - Future developments: How to improve?
- TSOs' role in REMIT transparency
- Conclusions

Data availability

- Huge variation in data quality, availability and accessibility
- GTS, National Grid have largest historical set and data
- Data quality, accessibility and completeness declines as further east TSO based
- Limited historical set (Jan 2011 / Mar 2011) for ~50% TSOs
- Demand (excluding exports) rarely available or accurate
- Storage & LNG stocks levels not available to most (though aggregated data available through GSE)

User Friendliness

- Nominations / Allocations / Capacities / historical data rarely in same place
- Data deluge (50+ individual points per TSO)
- Not possible to download data (manual entry) required for some sites
- Transparency data not linked to corporate websites and hard to find

TSO scorecard (current)



TSO	NG (UK)	Enagás (Es)	TIGF (Fr)	GRTGaz (Fr)	Fluxys (Be)	GTS (Ne)	Energinet (Dk)	OGE (De)	GUD (De)	Ontras (De)	Gascade (De)	euStream (Sk)	SRG (It)	Gaz-System (Pl)
Near real-time flows	✓													
Hourly nominations	✓	✓			✓	✓	✓		✓	✓	✓			✓
Daily nominations	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Hourly allocations	✓				✓	✓	✓			✓	✓			✓
Daily allocations	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Physical flows	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Storage levels	✓	✓	✓	✓		✓	✓		✓		✓			✓
Capacity (technical, firm, interruptible)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sectorial demand (nominations, allocations)	✓	✓		✓	✓	✓					✓		✓	✓
LNG (stocks, nominations, allocations)	✓	✓				✓								
Production by terminal/field	✓	✓											✓	
Historical Downloadable data	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓

Historical availability



TSO	Start date	Hourly nominations	Historical demand	Storage data
National Grid	Oct 2008	Yes	Yes	Yes
Enagás	Oct 2009	No	Yes	Yes
TIGF	Aug 2010	No	No	No
GRTgaz	Jan 2010	No	Yes	Yes
Fluxys	Oct 2005	Yes	Yes	Yes
GTS	Oct 2008	Yes	Yes	Yes
OGE	Jan 2008	Yes	Large users only	Yes
GUD	Mar 2011	Yes	No	Yes
Gascade	Jan 2011	Yes	Large users only	Yes
Snam Rete Gas	Jan 2006	No	Yes	Flows only
Gaz System	Oct 2011	?	?	?
euStream	Apr 2011	No	No	N/A

- Dataport GTS
 - Documents
 - Physical gas balance
 - Average flow per year
 - Minimum allocation per month
 - Explanation aggregations
- TTF volume development
- Portfolios
- Maintenance transport system
- System Quality Signal
- Interruption in Emergency Situations
- Technical Planning Method
- H-gas map of The Netherlands
- Maasmond LNG forecast
- Explanation network points

Dataport GTS

Borderpoints	Industry	Storages	LNG-terminals	Producers
Daily Capacities*	Daily Capacities*	Daily Capacities*	Daily Capacities*	Daily Capacities*
Yearly Capacities*	Yearly Capacities*	Yearly Capacities*	Yearly Capacities*	Yearly Capacities*
Nominations	Nominations	Nominations	Nominations	Nominations
Near real time Interruptions		Near real time Interruptions	Near real time Interruptions	Near real time Interruptions
Interruptions				
Flows and calorific values	Flows and Calorific values	Flows and Calorific values	Flows and Calorific values	Flows and Calorific values
Allocations	Allocations			Allocations
Transfers	Transfers	Transfers	Transfers	Transfers

*For the avoidance of doubt GTS would like to emphasize that the published capacities are "daily capacities". Hourly capacities can be calculated by dividing the daily capacities by 24.

[Explanation](#)

- Capacity, Nominations, Allocations, Physical flow on Industry, Border points, LDC and Production all on same page
- Single click and easy to navigate to data pages
- Easy to data scrape / automate

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Nominations

Transparency segment Network points

Date from Time from

Date to Time to

Unit Aggregation level

An example where information can be improved



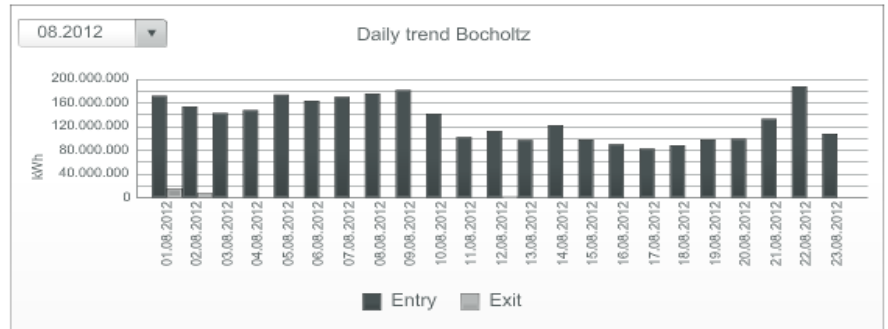
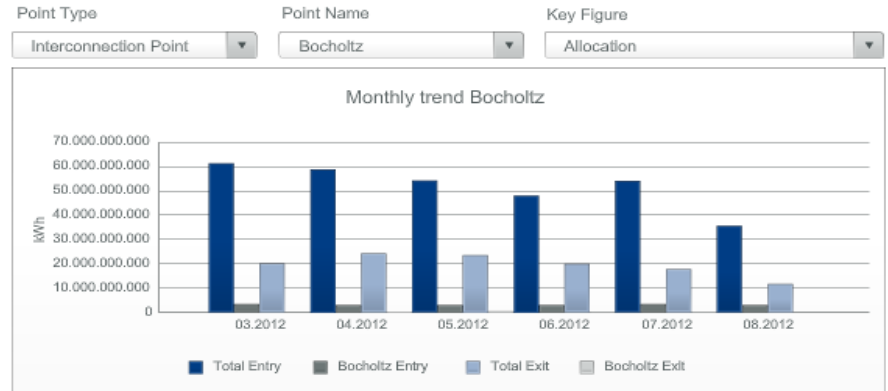
- Multiple clicks to get to data
- Frequent revisions
- Slow to load
- Not possible to download daily data, only hourly

Point Data - Report

Point Type	Direction	Point Name	Date / Time	Technical Available Capacity	Booked Firm Capacity	Booked Interruptible Capacity	Available Firm Capacity	Available Interruptible Capacity
nzübergang	Entry	Bocholtz	S 01.04.2012 00-01	2,823,828	2,823,828	4,529,193	0	unlir
nzübergang	Exit	Bocholtz	S 01.04.2012 00-01	0	0	0	0	unlir
nzübergang	Entry	Bocholtz	S 01.04.2012 01-02	2,823,828	2,823,828	4,529,193	0	unlir
nzübergang	Exit	Bocholtz	S 01.04.2012 01-02	0	0	0	0	unlir
nzübergang	Entry	Bocholtz	S 01.04.2012 02-03	2,823,828	2,823,828	4,529,193	0	unlir
nzübergang	Exit	Bocholtz	S 01.04.2012 02-03	0	0	0	0	unlir
nzübergang	Entry	Bocholtz	S 01.04.2012 03-04	2,823,828	2,823,828	4,529,193	0	unlir
nzübergang	Exit	Bocholtz	S 01.04.2012 03-04	0	0	0	0	unlir

Network Data Information

Choose here a point and a key figure to be diagrammed:



Choose here a gas year to be displayed in the Data Table:

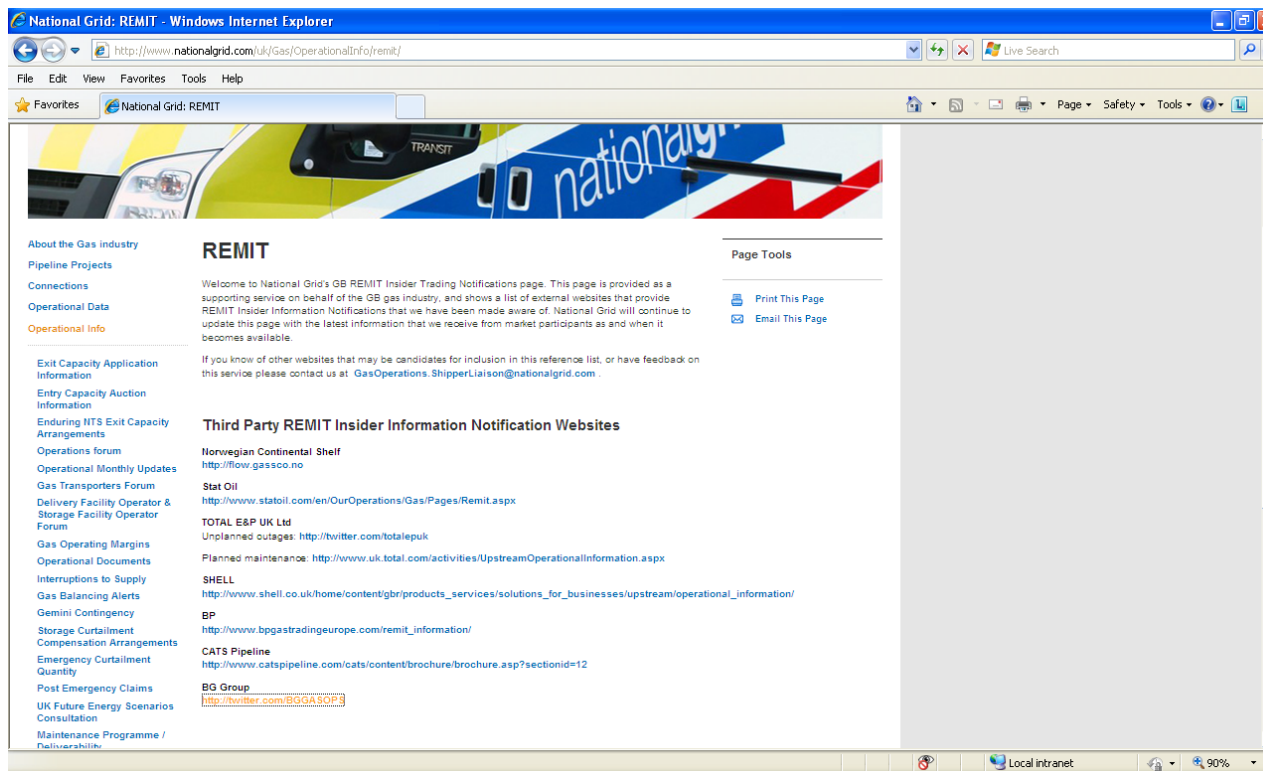
2011/2012
 2010/2011
 2009/2010
 2008/2009
 2007/2008

BUT this is still better than others TSO websites where information is held on separate websites, requires manual searches at each point and also has digital certification prompts (not required)

TSOs have a role to play in enhancing transparency under REMIT



- Publication of own Inside Information (eg Balancing services)
- Facilitate a central solution, improving transparency to the market.
- Market participants remain responsible for publishing.



FLOW INFORMATION REAL-TIME

Dornum 64.54 MSm ³ /d	Emden EMS 54.56 MSm ³ /d	Emden NGT 19.13 MSm ³ /d	Dunkerque 43.87 MSm ³ /d	Zeebrugge 25.52 MSm ³ /d	Easington 19.12 MSm ³ /d	St. Fergus 1.87 MSm ³ /d	Entry SEGAL 5.64 MSm ³ /d
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Last updated 22/08/2012 13:56:23

UNPLANNED EVENTS

Shutdown time	Startup time	Volume impact	Expected duration

PLANNED EVENTS

	Shutdown time	Startup time	Volume impact
Kollsnes Coordinated with upstream field	15/08/2012 06:00	26/08/2012 06:00	-25.0 MSm ³ /d
Field maintenance	18/08/2012 06:00	07/09/2012 06:00	-23.0 MSm ³ /d
Entry SEGAL	23/08/2012 06:00	10/09/2012 06:00	-16.0 MSm ³ /d
Kollsnes Coordinated with upstream fields	26/08/2012 06:00	10/09/2012 06:00	-45.0 MSm ³ /d
Zeebrugge	03/09/2012 06:00	05/09/2012 06:00	-41.4 MSm ³ /d
St.Fergus	04/09/2012 06:00	30/09/2012 06:00	-19.0 MSm ³ /d
Kollsnes Coordinated with field	10/09/2012 06:00	22/09/2012 06:00	-145.0 MSm ³ /d
Dunkerque	15/09/2012 06:00	21/09/2012 06:00	-53.5 MSm ³ /d
Kårstø ESD test, coordinated with field	25/09/2012 06:00	26/09/2012 06:00	-78.5 MSm ³ /d
Dornum ESD test	25/09/2012 06:00	25/09/2012 18:00	-34.0 MSm ³ /d
Field maintenance	15/10/2012 06:00	22/10/2012 06:00	-32.0 MSm ³ /d

Real time flows

Unplanned events

Planned Maintenance

- TSO transparency should aid market development
 - Improvements sought in data quality, availability and user friendliness
 - Near real time information flows should be priority to aid Balancing NC
 - Quickly identify the “gaps”, determine investment required.
- Current status of TSO transparency is mixed
- 2013 ENTSO-G Transparency Platform welcomed
 - Consultation period closes on 5/10/2012
 - Scope to be determined (high level aggregation vs national TSO detail?)
 - Minimum specification to aid market development
- TSOs have a role to aid transparency under REMIT



European Federation of Energy Traders

**Amstelveenseweg 998
1081 JS Amsterdam**

**Tel: +31 (0)20 5207970
Email: secretariat@efet.org
www.efet.org**