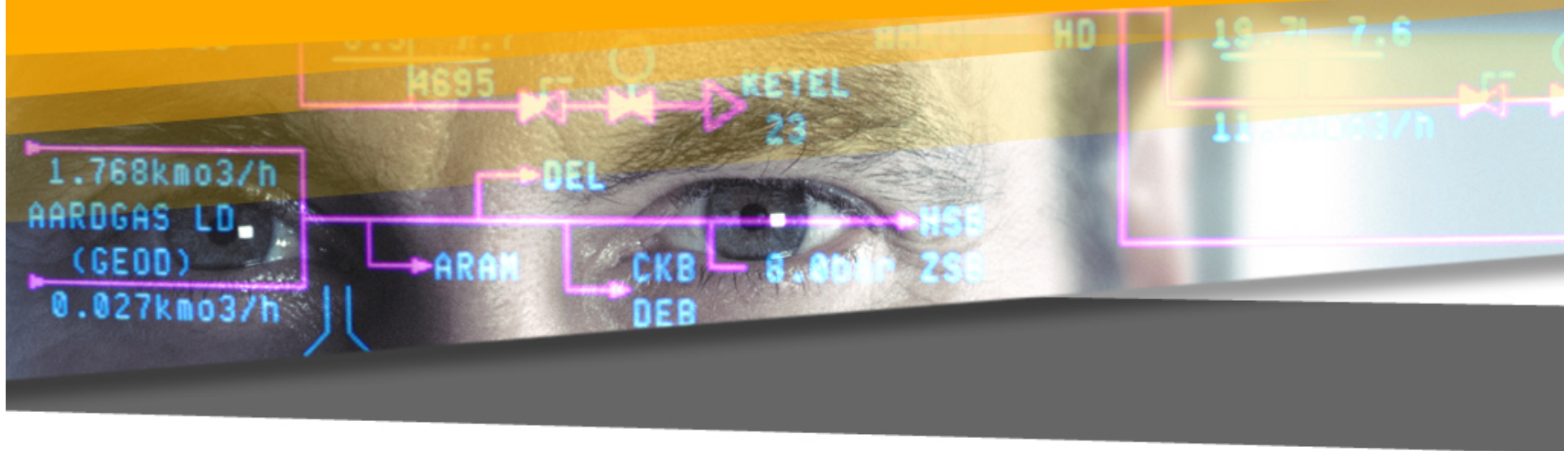


gas transport services

Shippers' Meeting

Amsterdam



15 October 2009

Programme

Introduction

Security of Gas Supply
Transport Insight
Open Seasons

Jan van der Voort

Marijke Kellner
Mark Hobbelink Wiekens
Jan Eggink

Lunch

New balancing regime and market model
Status tariffs, services and conditions
and miscellaneous
Closing

Marcel Adrichem
Harry Smit

Jan van der Voort

Programme

Introduction

Security of Gas Supply

Transport Insight

Open Seasons

Jan van der Voort

Marijke Kellner

Mark Hobbelink Wiekens

Jan Eggink

Lunch

New balancing regime and market model

Status tariffs, services and conditions

and miscellaneous

Closing

Marcel Adrichem

Harry Smit

Jan van der Voort

Background

- EU Directive 2003/55/EG, Article 5
- EU Directive 2004/67/EG, Article 5
- Gas Act, Article 52a
- Gas Act, Article 10a, paragraph 1f

- Government Gazette, 11 December 2008
 - MEA asks GTS to perform its monitoring task
 - Annual legal task
 - First time in 2009

- GTS reports to MEA before 1 June
- MEA reports to EC before 1 August (also electricity)

Definition

Security of Gas Supply

Degree of certainty that *sufficient gas* will be available at the *right time* and at the *right place* to meet market demand in the short and long term future.

Information shippers via portal

gastransportservices

[Home](#) → [Upload Area](#)

[Log out](#)

Welcome to the Gas Transport Services B.V. VZG portal

Dear Sir/Madam,

Welcome to the Gas Transport Services B.V. VZG portal. This portal is for uploading the requested information asked by the Dutch Minister for Economic Affairs, about which you have been informed by your Gas Transport Services B.V. account manager.

More details are published in: [Information Request on Security of Gas Supply report + appendices](#).

Example fill in spreadsheet: [Example Shipper Form](#). This is an MS Excel spreadsheet holding 5 worksheets. Download the document to your desktop. After entering the data concerned, upload the document under a different name via the upload link here below.

Direct link to upload screen

[Click here to upload a document to your upload area...](#)

Gas Transport Services B.V.



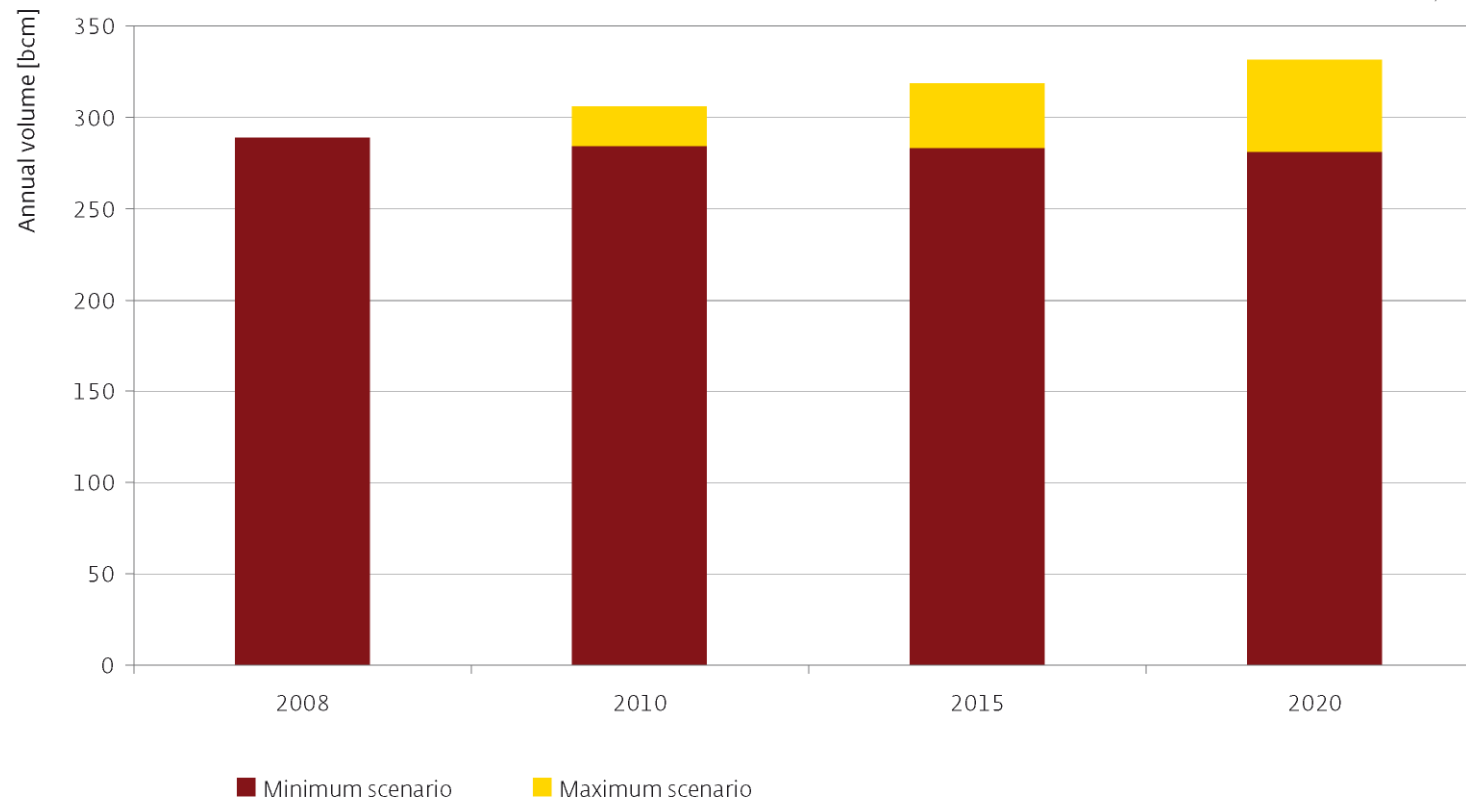
gastransportservices

Sufficient gas: gas demand in NW Europe

GAS DEMAND NORTH-WEST EUROPE

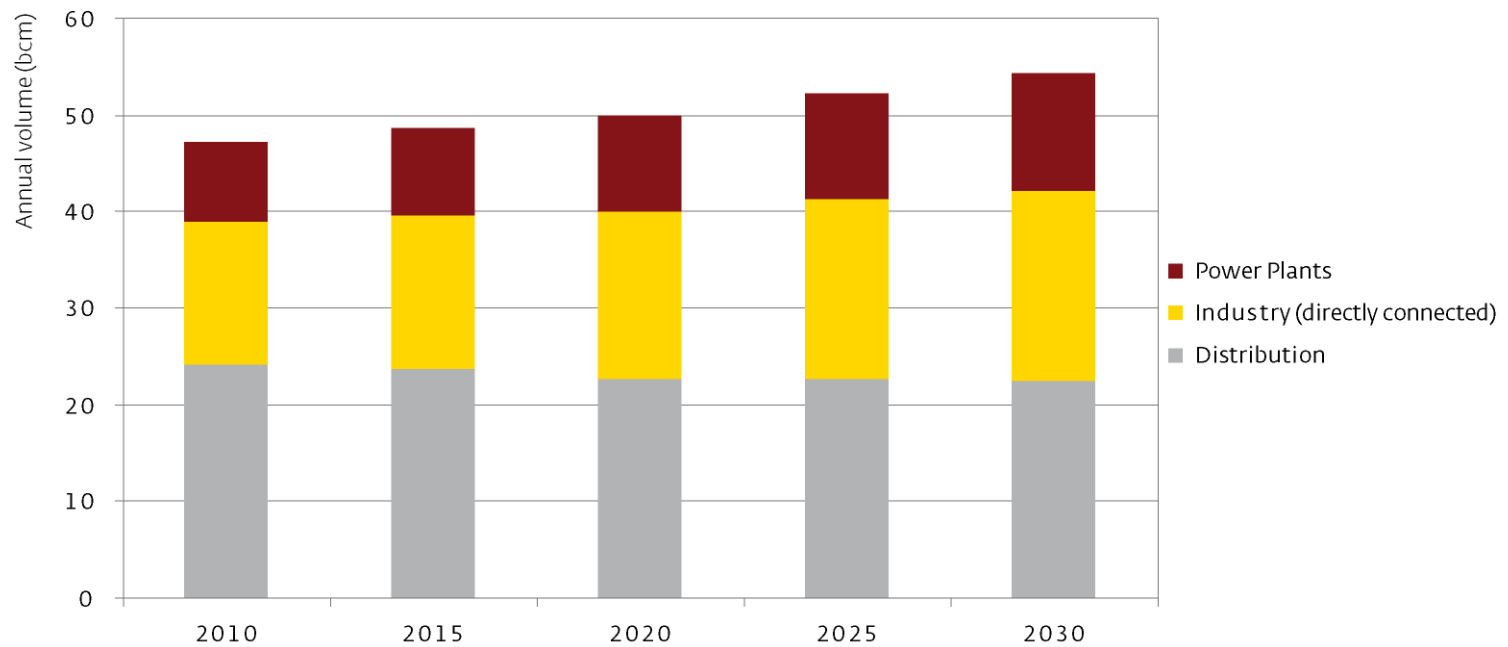
(The Netherlands, Belgium, France, Germany, United Kingdom)

Source: CERA 2008, GTS



Sufficient gas: gas demand in the Netherlands

GAS DEMAND OUTLOOK FOR THE NETHERLANDS

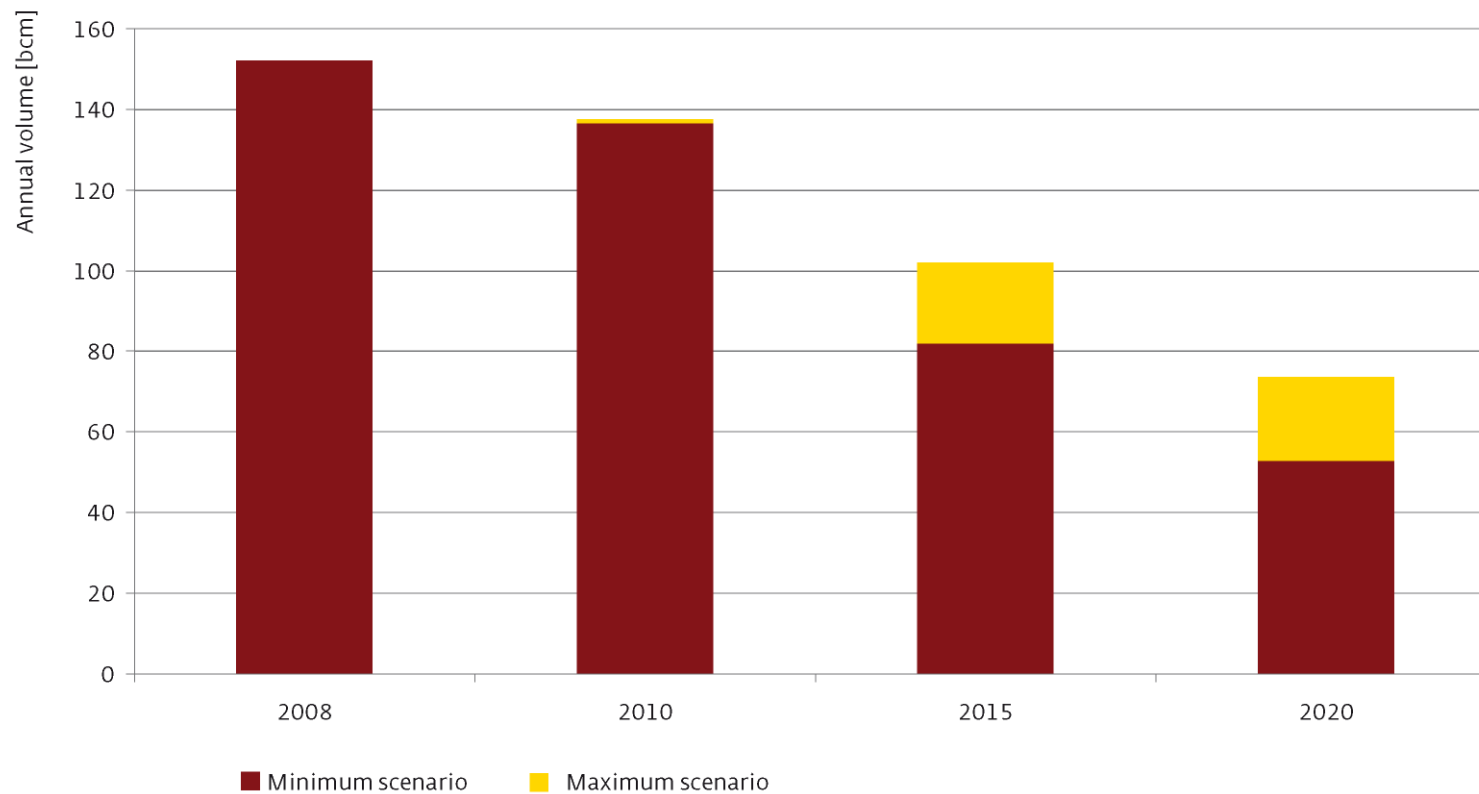


Sufficient gas: indigenous production NW Europe

INDIGENOUS PRODUCTION NORTH-WEST EUROPE

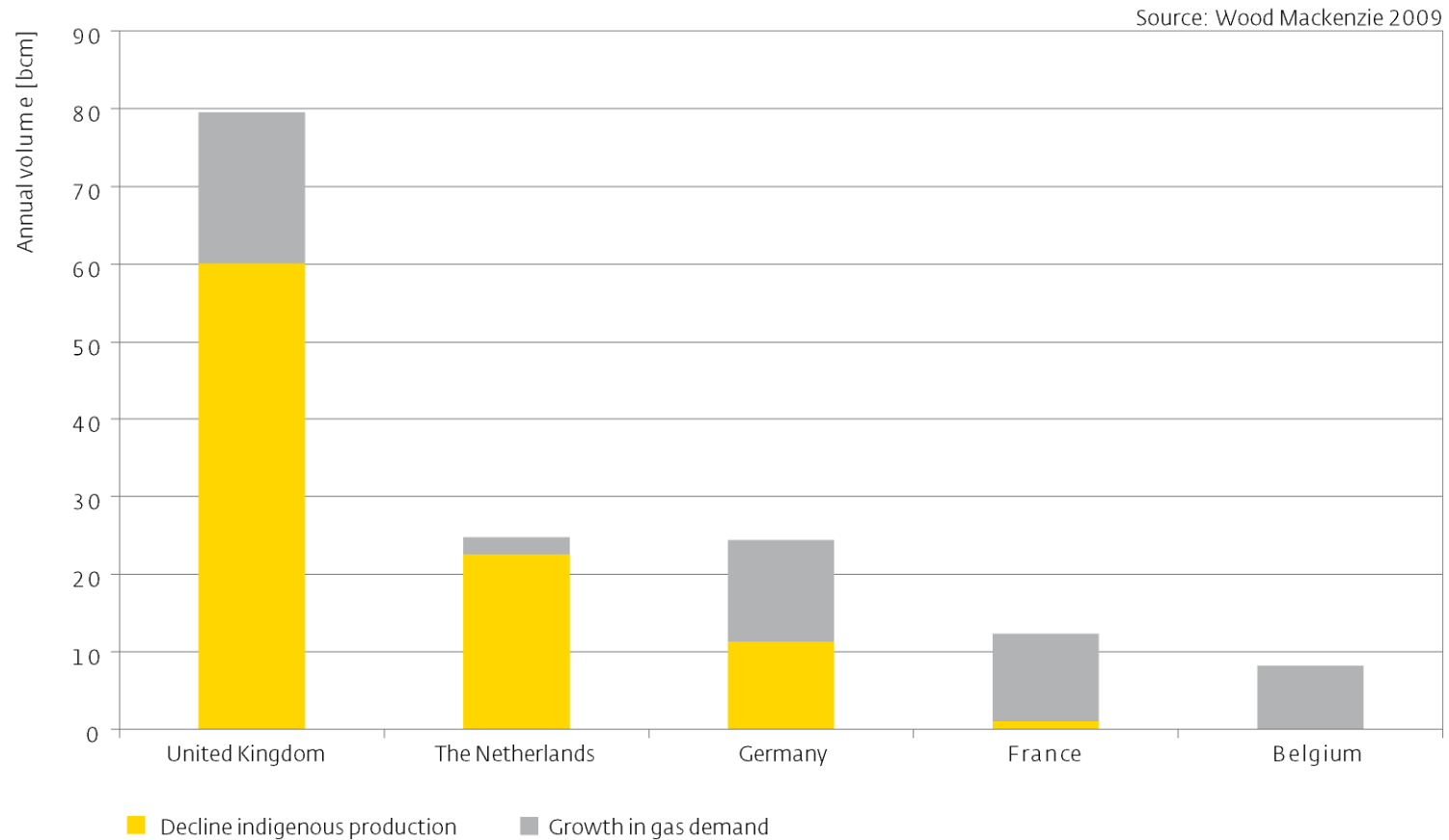
(The Netherlands, Belgium, France, Germany, United Kingdom)

Source: WoodMackenzie 2009, GTS



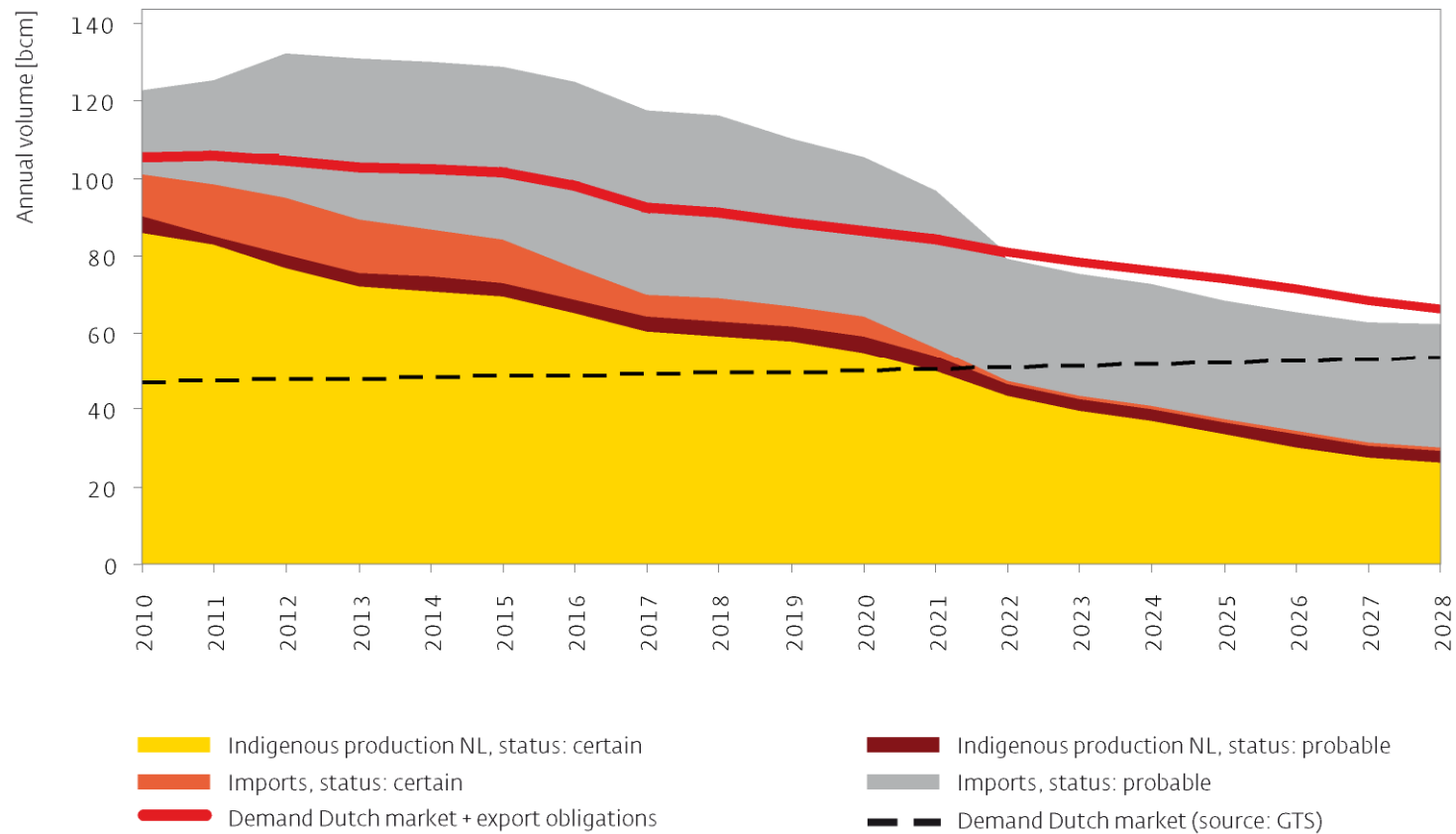
Sufficient gas: additional imports NW Europe

ADDITIONAL IMPORTS NORTH-WEST EUROPE (2020 compared to 2005)



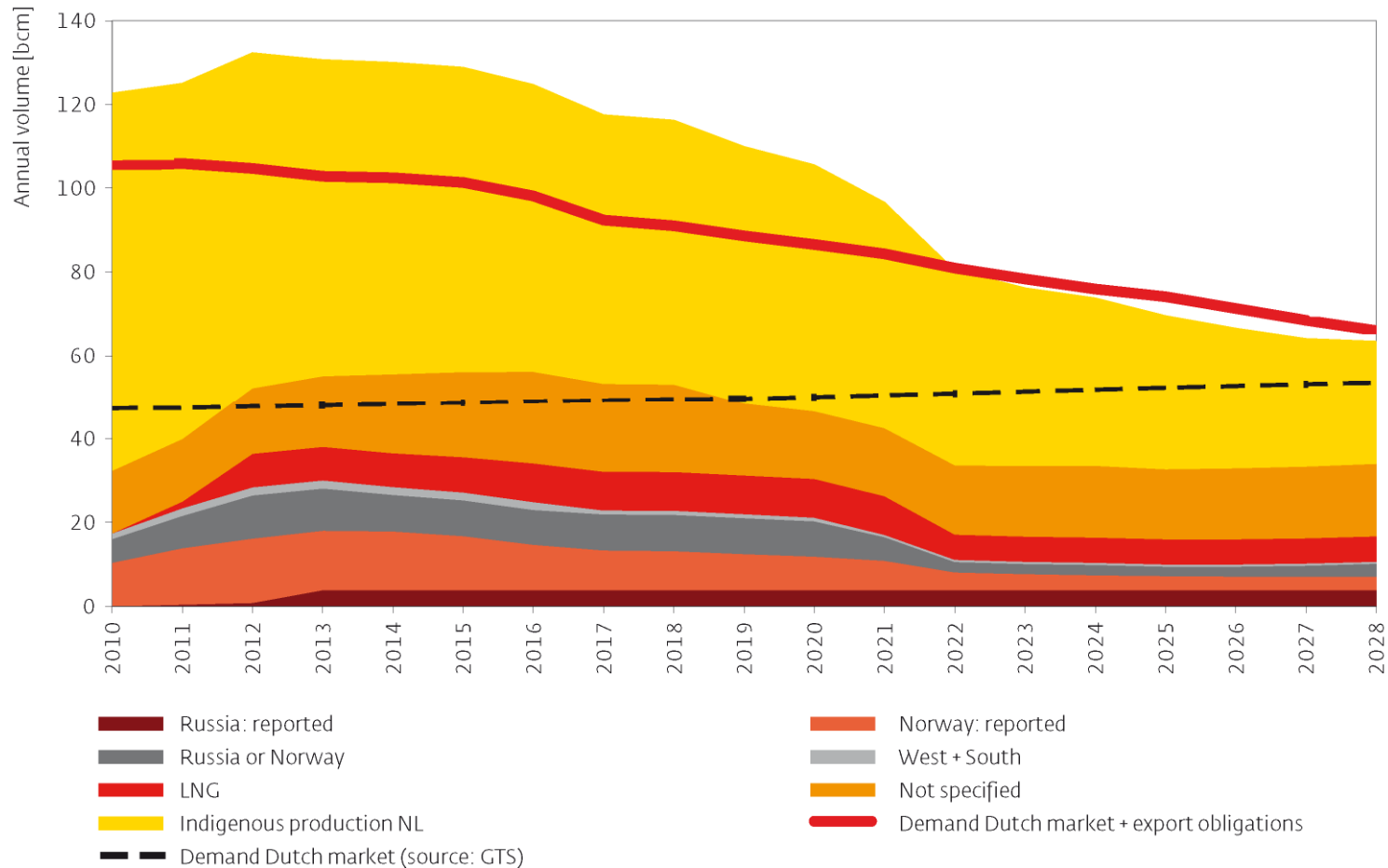
Sufficient gas: balance supply and demand

THE BALANCE BETWEEN INDIGENEOUS PRODUCTION AND IMPORTS VERSUS DUTCH MARKET AND EXPORTS



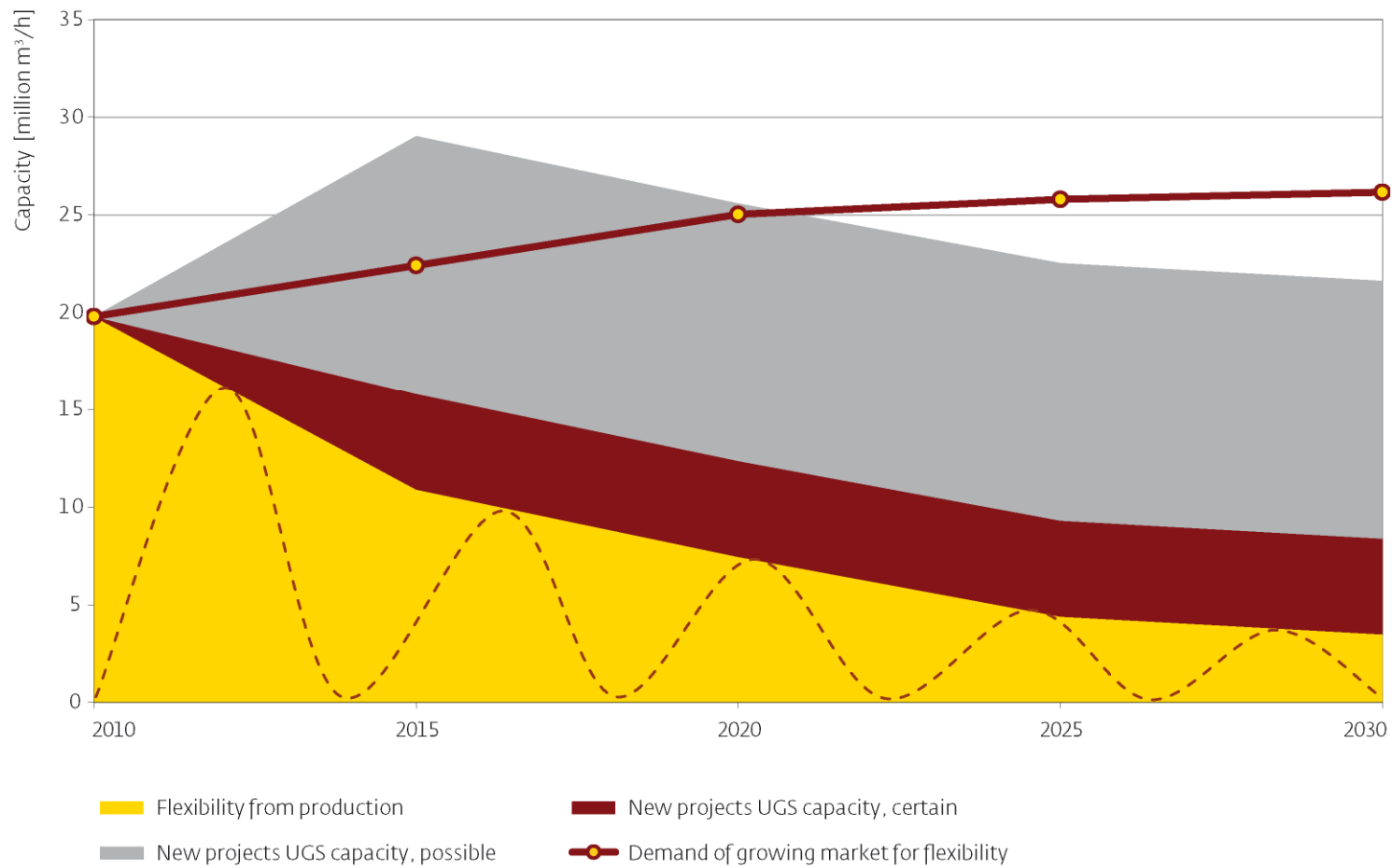
Sufficient gas: gas supply in NL by source

GAS SUPPLY IN THE NETHERLANDS BY SOURCE



Right time: flexibility

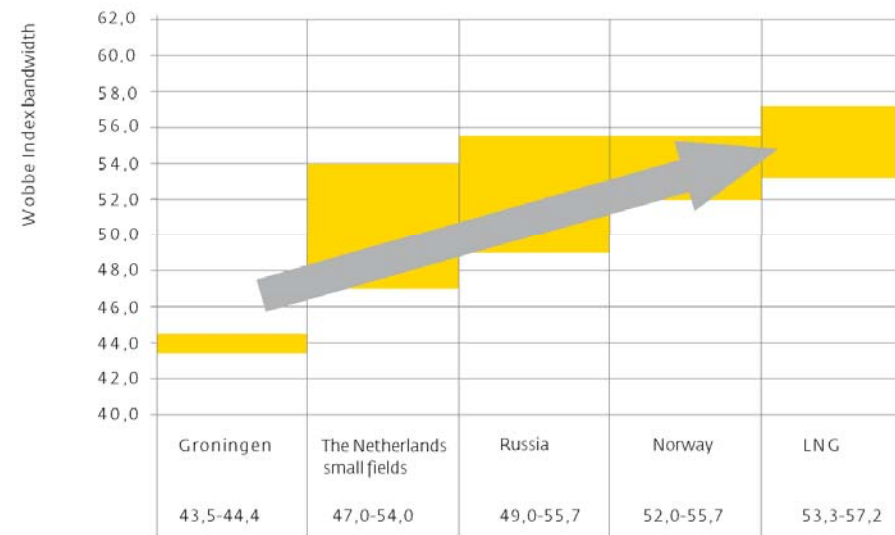
PRODUCTION CAPACITY VERSUS GAS DEMAND IN NORTH-WEST EUROPE (2010-2030)



Right place: infrastructure

- Additional transport routes
- Quality conversion

WOBBE INDEX RELATED TO ORIGIN OF GAS SUPPLY



- Substantial investment programs (in and around NL)

Next report

- Evaluation
 - Remarks or recommendations welcome!
 - Please contact your account manager or m.kellner.van.tjonger@gastransport.nl
- Information request
 - Contracted and probable volumes in next 20 years
 - Gas quality
 - Contract period
- Planning
 - 15 December 2009 – 29 January 2010

Programme

Introduction
Security of Gas Supply
Transport Insight
Open Seasons

Jan van der Voort
Marijke Kellner
Mark Hobbelink Wiekens
Jan Eggink

Lunch

New balancing regime and market model
Status tariffs, services and conditions
and miscellaneous
Closing

Marcel Adrichem
Harry Smit

Jan van der Voort

Transport Insight 2009

Transport Insight: a yearly report about gas transport in North West Europe

**A joint publication of
Gas Transport Services & Gasunie Deutschland Services GmbH**

**Transport Insight 2009 covers all major clusters and network points
of the GTS and GUD Grid**

Review 2008

Transparency

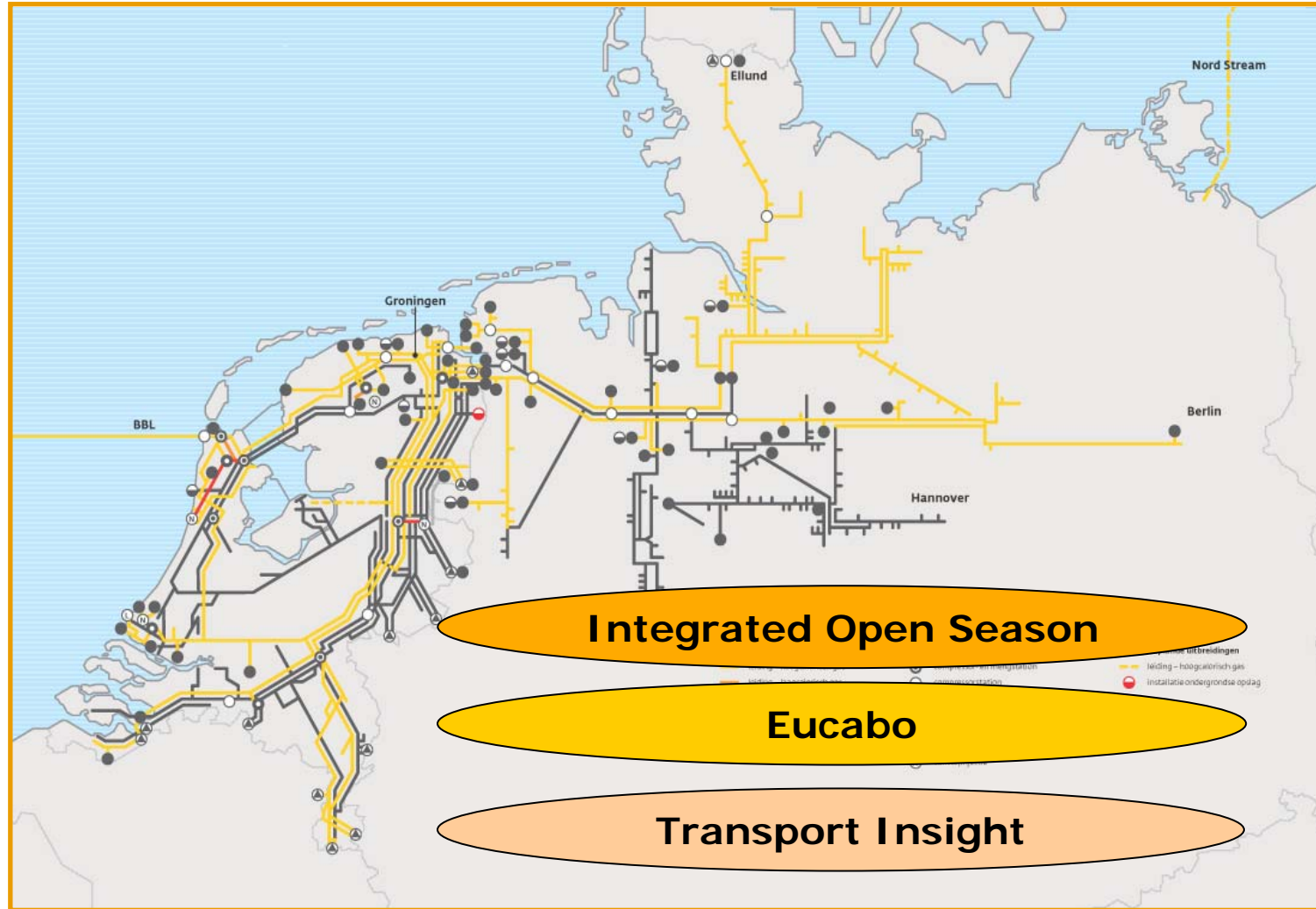
**Outlook for European gas
transmission**

Information

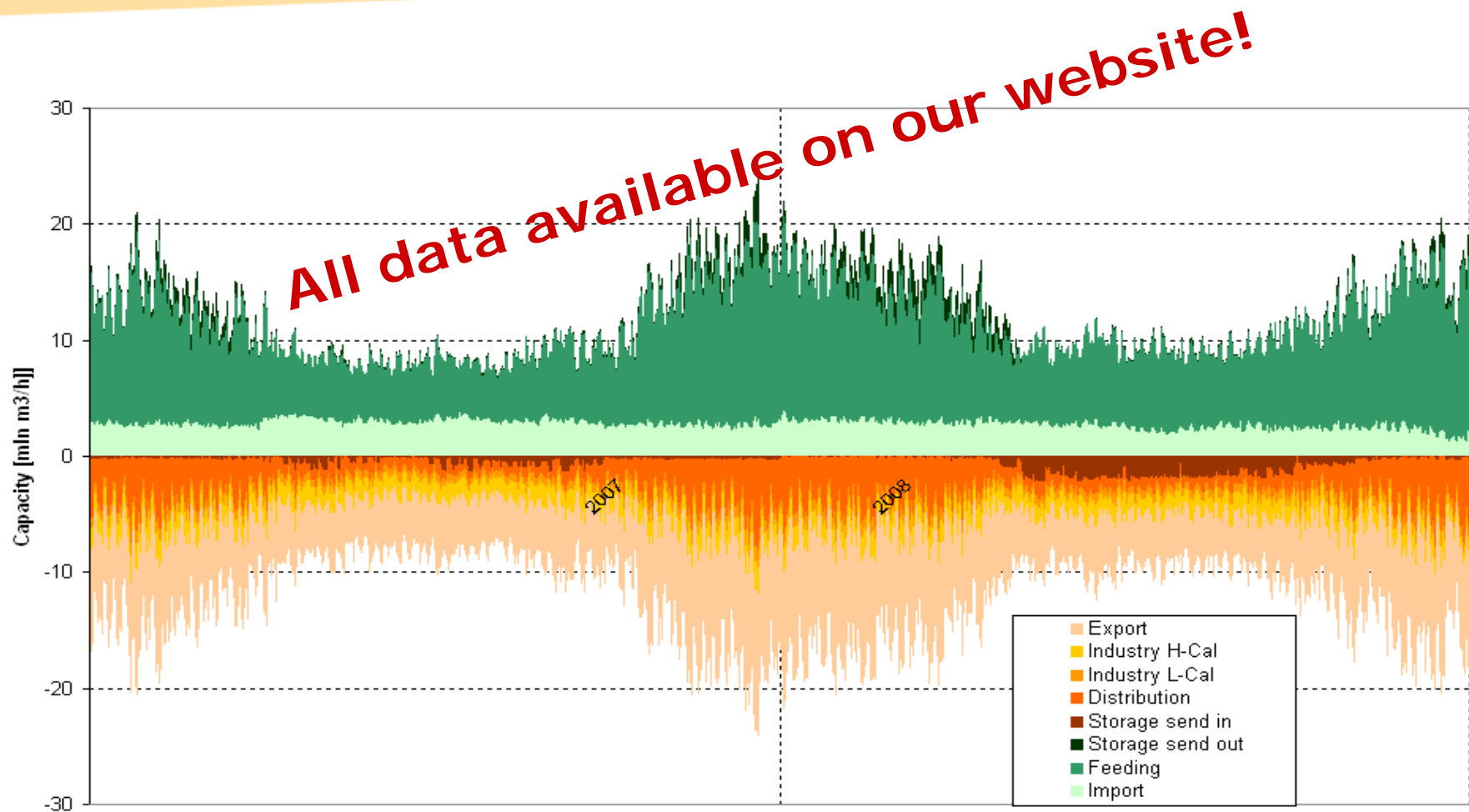
**Themes 2009:
TTF/VHP
Gas Storage**

Analyses

Both networks covered in Transport Insight 2009

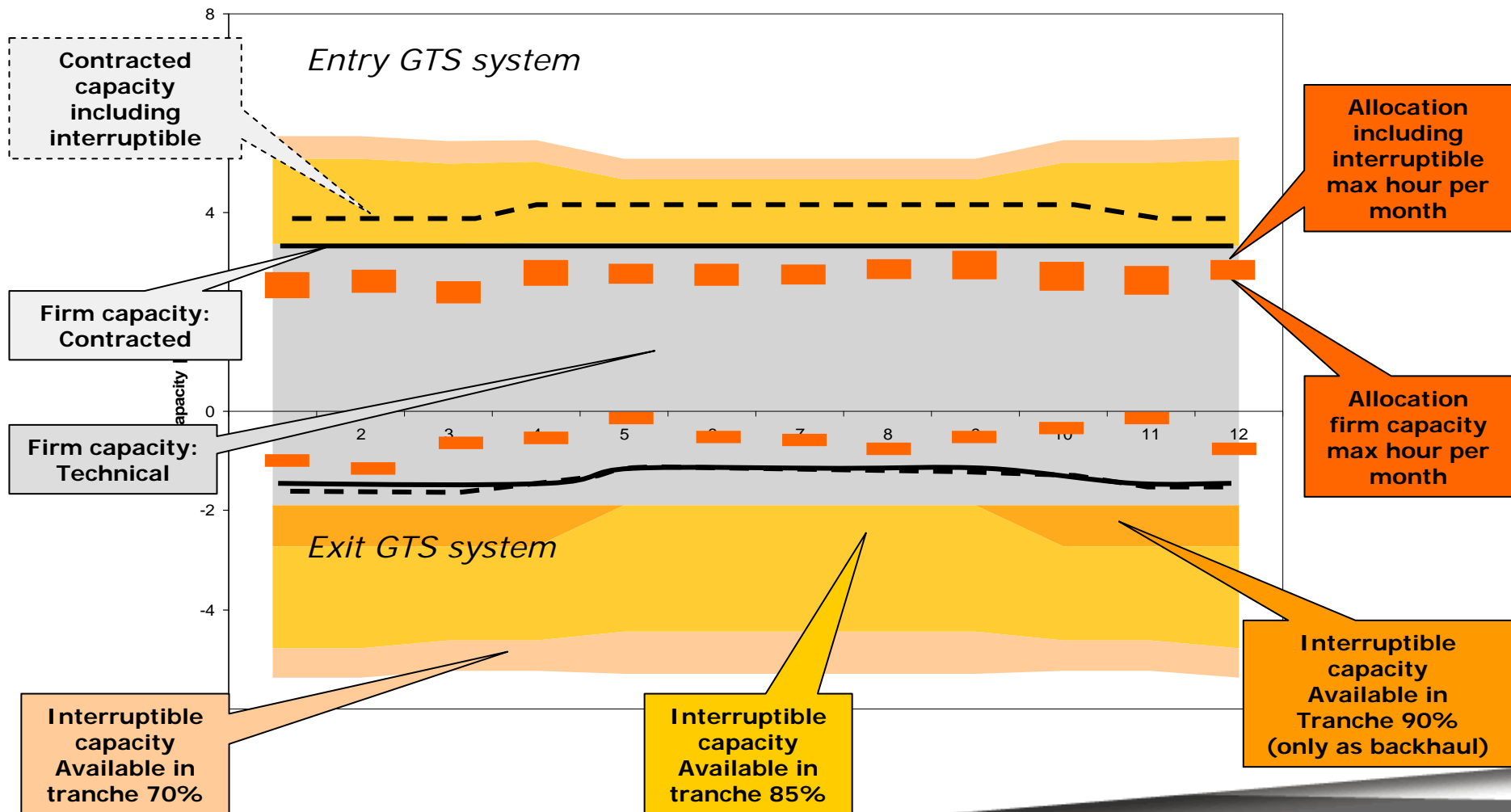


GTS gas Balance 2007 - 2008



Utilisation of cluster Emden/OSZ 2008

Cluster Emden-Oude Statenzijl 2008 entry/exit H-gas



Utilisation of the GTS cluster Emden/Oude Statenzijl in 2008

CLUSTER EMDEN/OUDE STATENZIJL GTS 2008 ENTRY/EXIT H-GAS

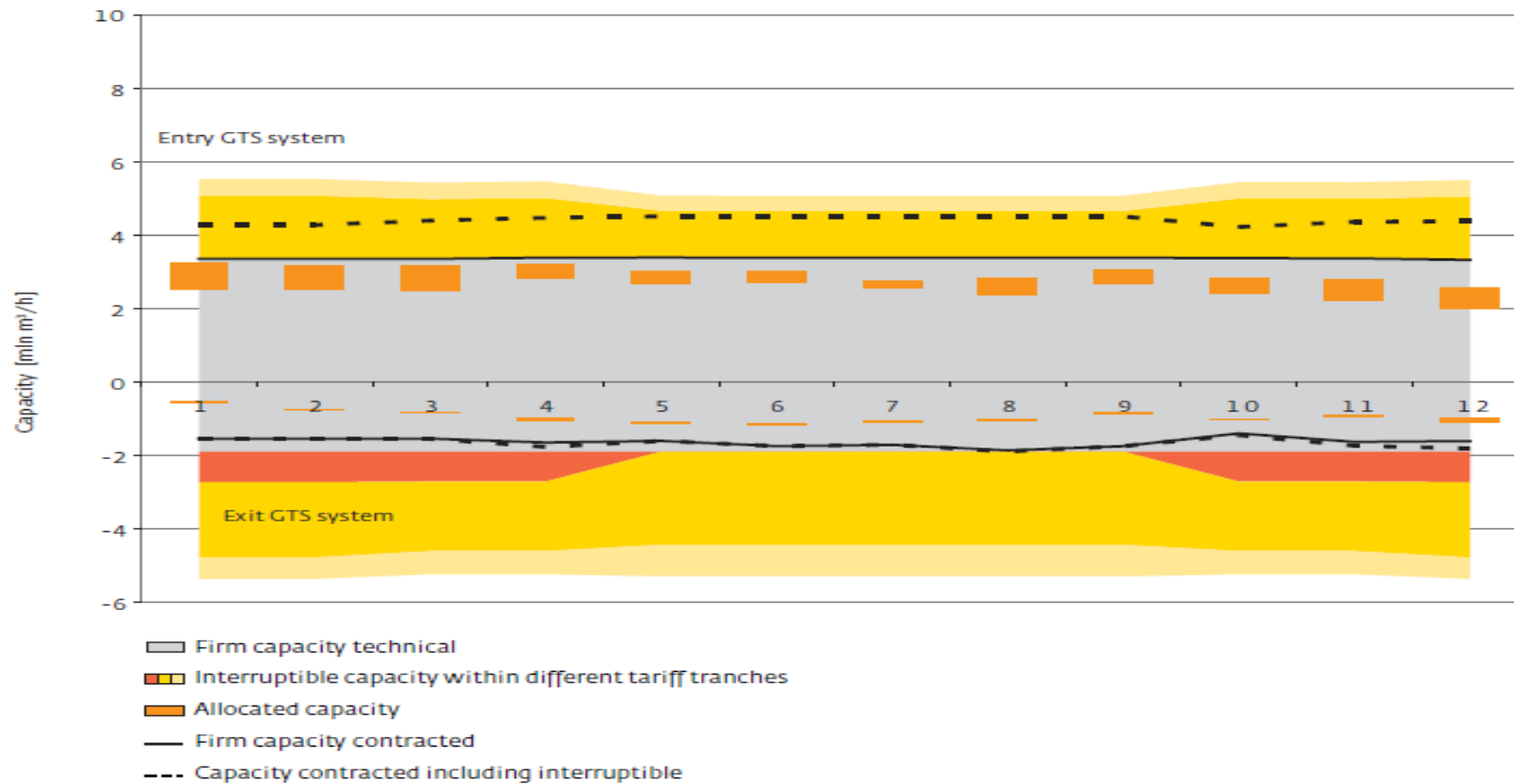


Figure 2.3.1: Emden/Oude Statenzijl entry/exit cluster, H-gas 2008

Bookings at the GTS cluster Emden/Oude Statenzijl 2008 - 2020

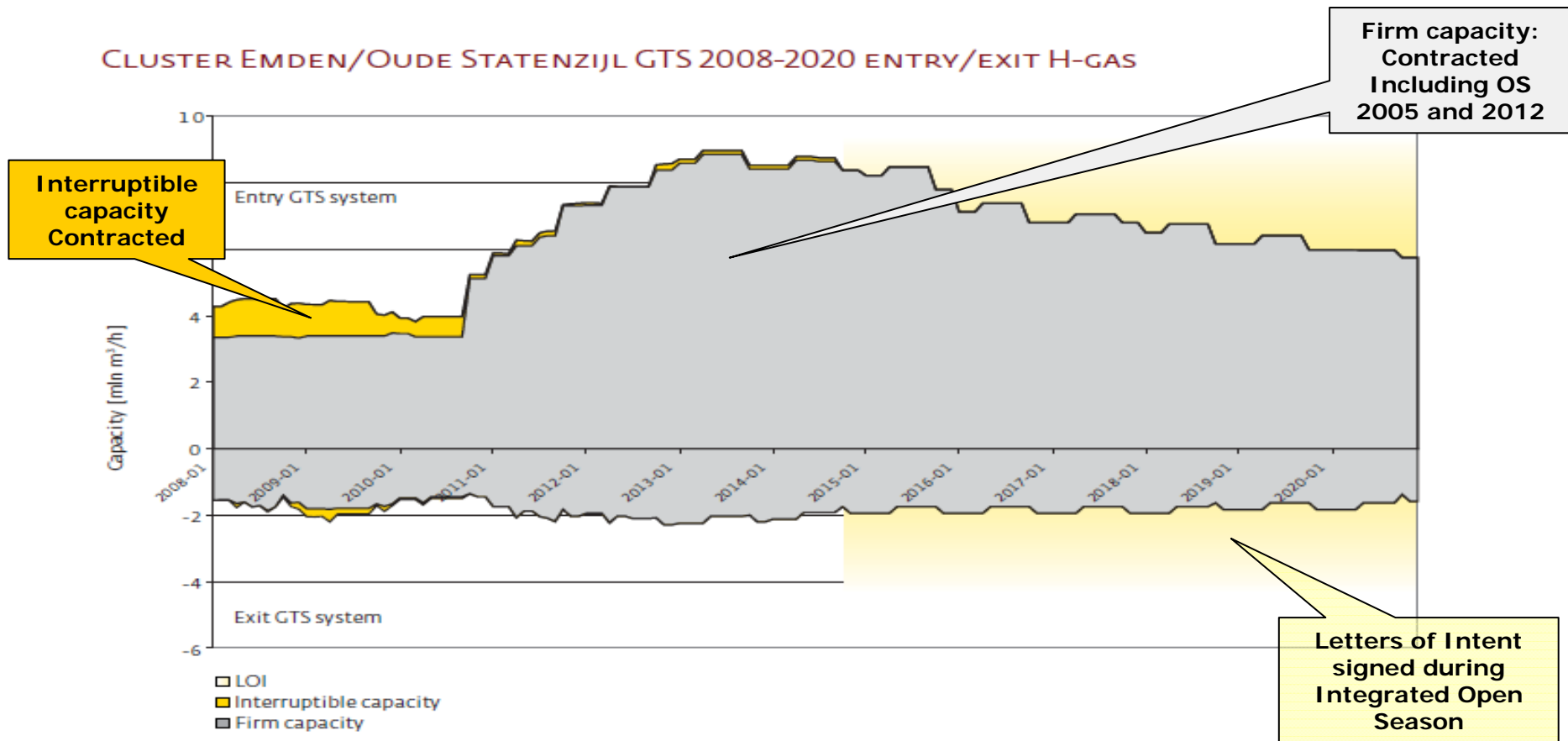


Figure 2.3.3: Contracted capacity Emden/Oude Statenzijl entry/exit cluster, H-gas 2008-2020

Transport Insight 2009 covers all major GTS and GUD clusters and network points

GTS

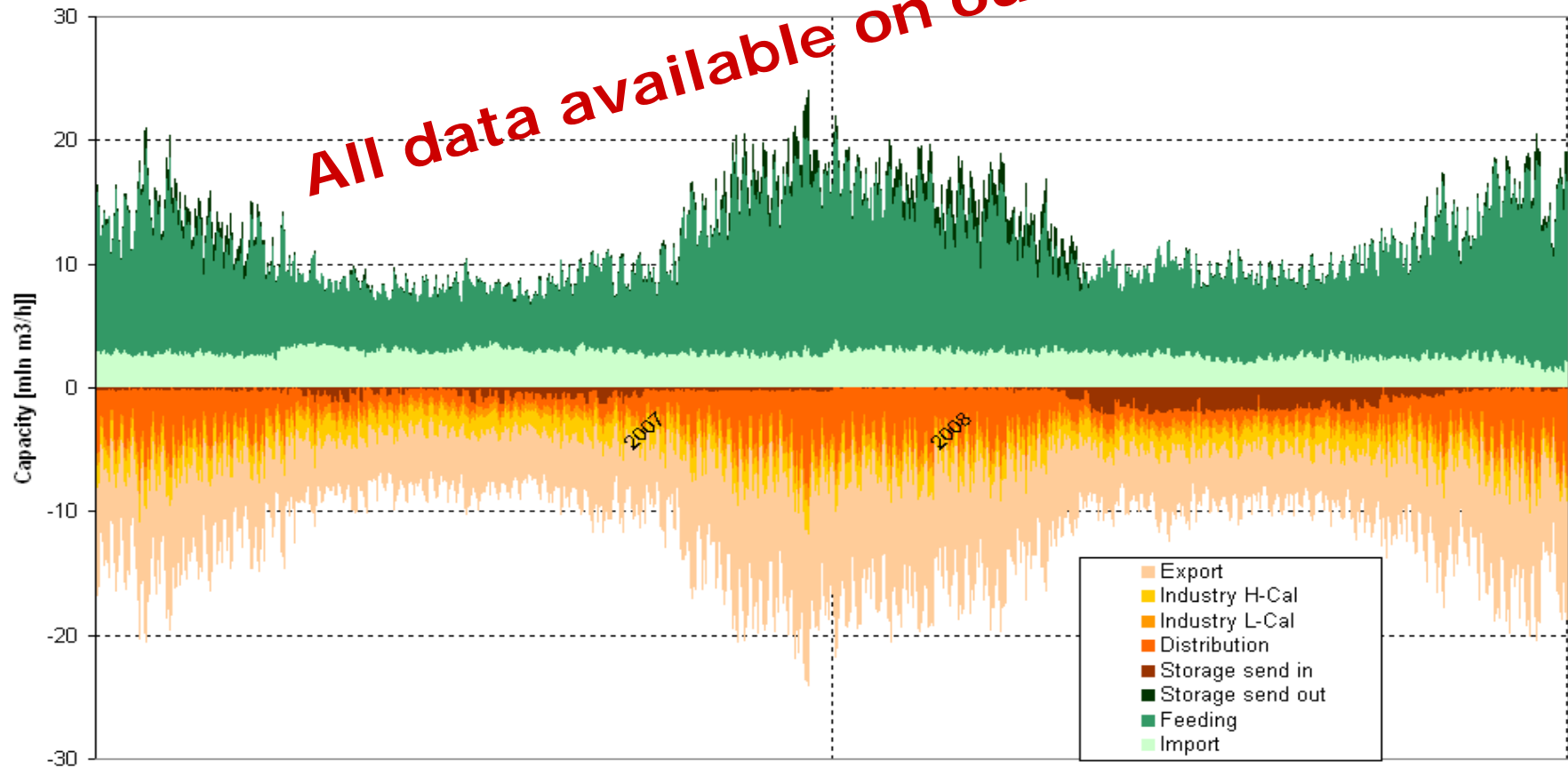
- Emden/Oude Statenzijl
- Zelzate
- Oude Statenzijl G
- Winterswijk/Zevenaar
- Zuid Limburg
- Julianadorp
- Other border points

GUD

- Emden/Oude Statenzijl
- Oude Statenzijl G
- Ellund
- Steinitz/Blumberg
- Drohne

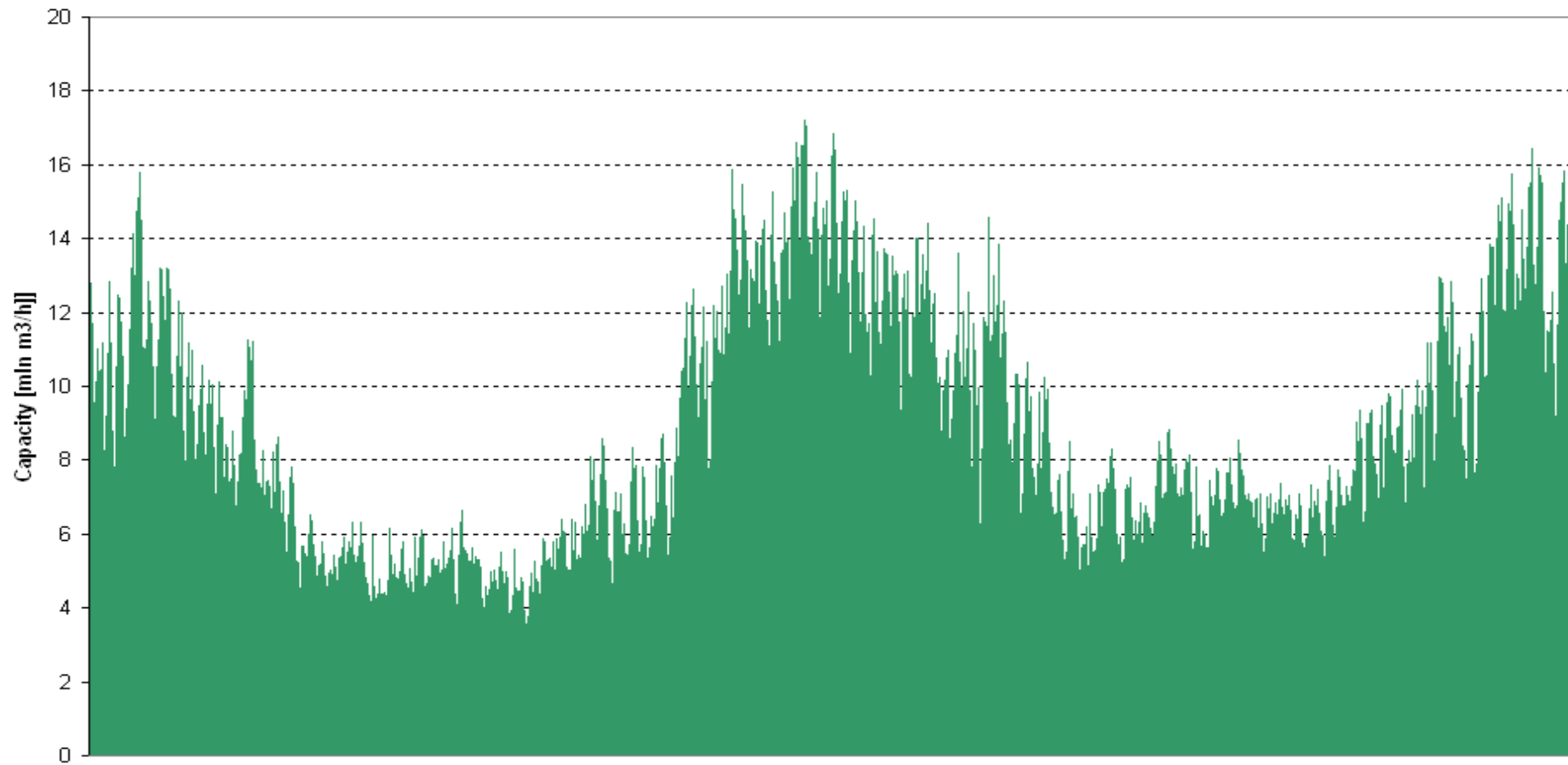
GTS gas Balance 2007 - 2008

All data available on our website!



Theme I Storage

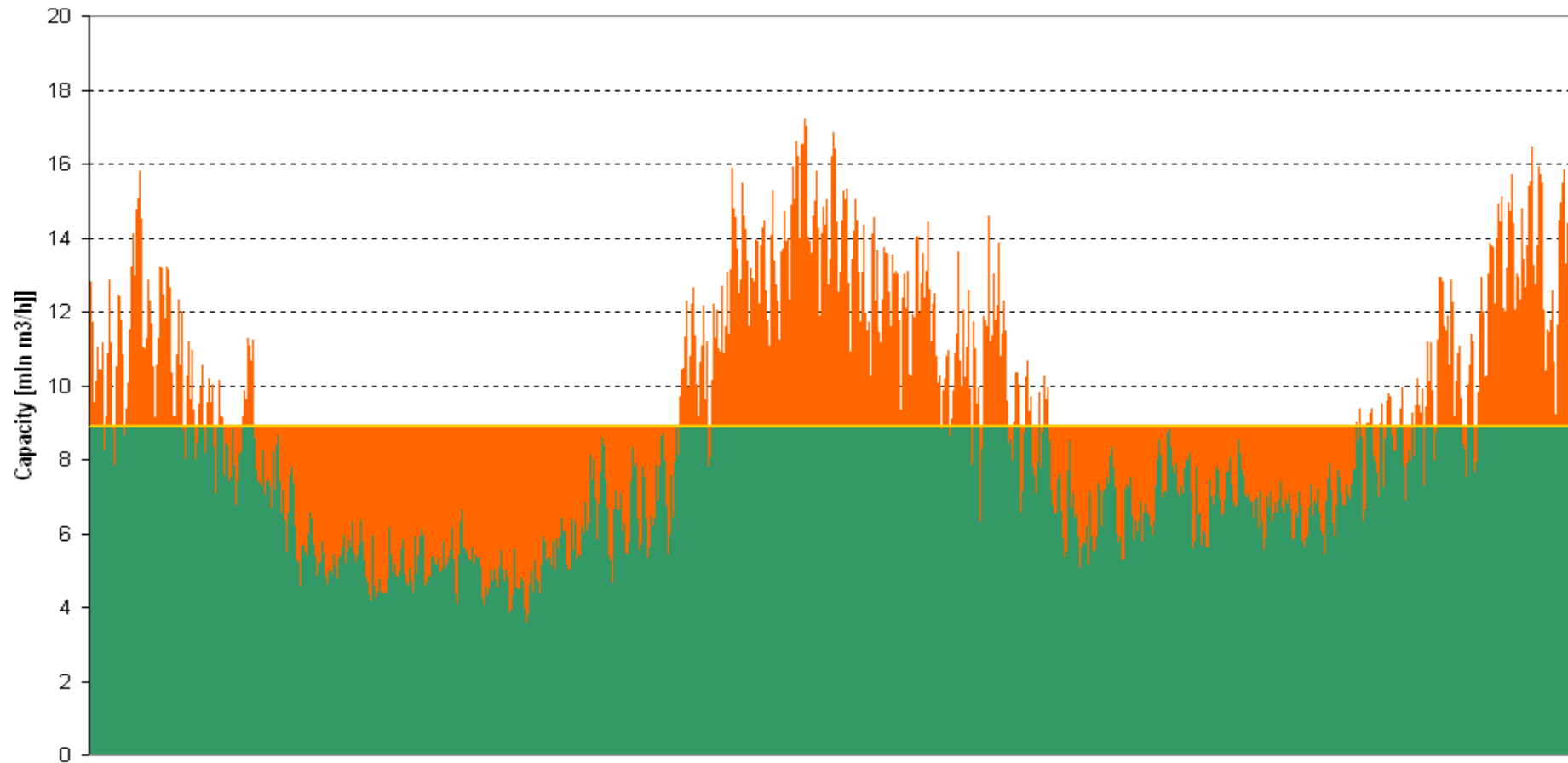
Feeding from domestic sources



All hours of 2007 - 2008

Theme I Storage

Feeding from domestic sources



All hours of 2007 - 2008

Theme I Storage

WORKING GAS VOLUME REQUIRED FOR SEASONAL SWING IN NW-EUROPE: 2005-2020

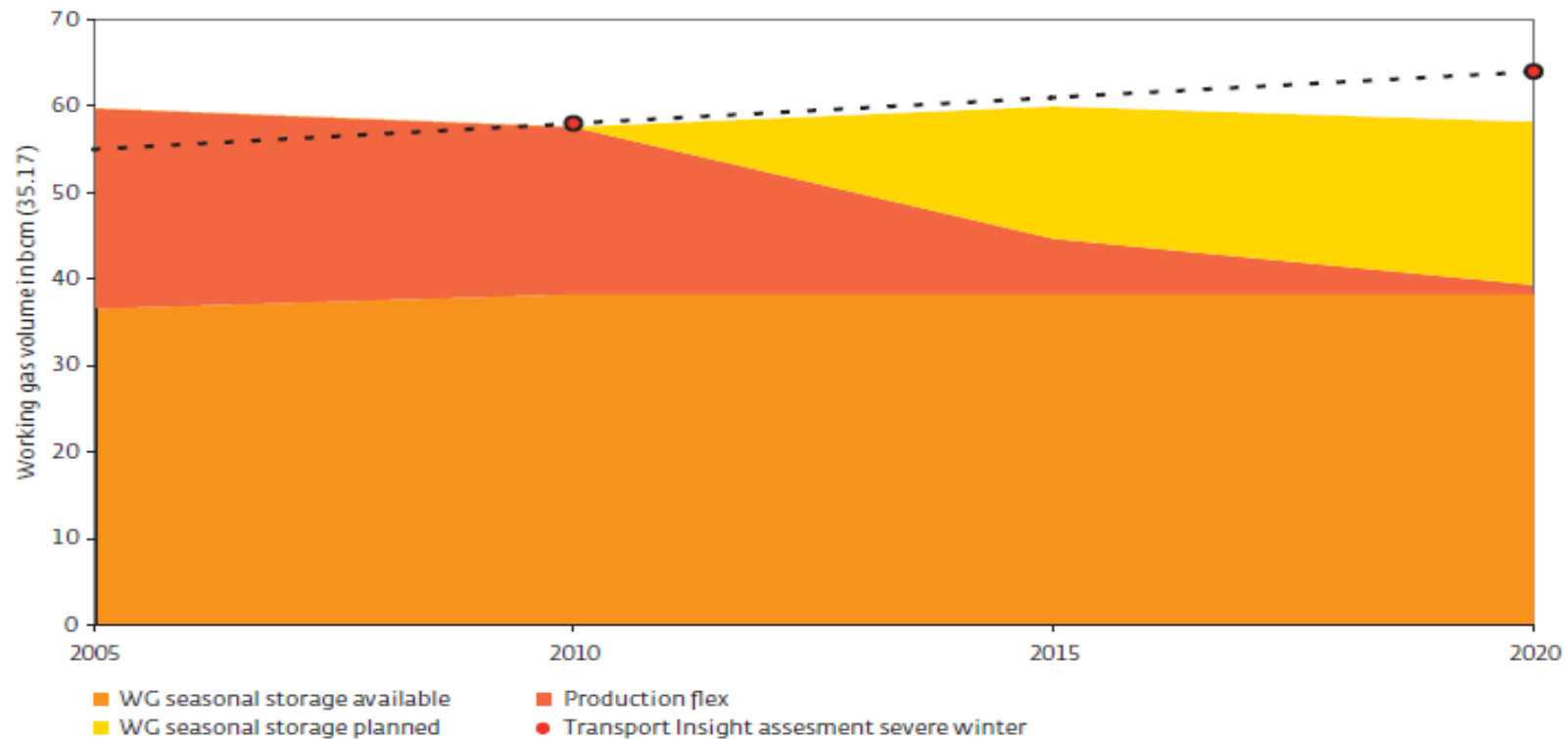


Figure 4.3: Working gas volume required for seasonal storage in North West Europe 2005-2020³.

Summary Transport Insight 2009:

**Is a joint publication of Gas Transport
Services & Gasunie Deutschland
Services GmbH**

**Covers all major clusters
and network points
of the GTS and GUD Grid**

**Analyses Gas Storages
Trend and Trading
Hubs in 2008**

Thank you for your attention

We are interested in your opinion on Transport Insight 2009. If you wish to contact us, please send an e-mail to:

info@gastransport.nl or

info@gasunie.de or contact
your account manager

Programme

Introduction

Jan van der Voort

Security of Gas Supply

Marijke Kellner

Transport Insight

Mark Hobbelink Wiekens

Open Seasons

Jan Eggink

Lunch

New balancing regime and market model

Marcel Adrichem

Status tariffs, services and conditions

Harry Smit

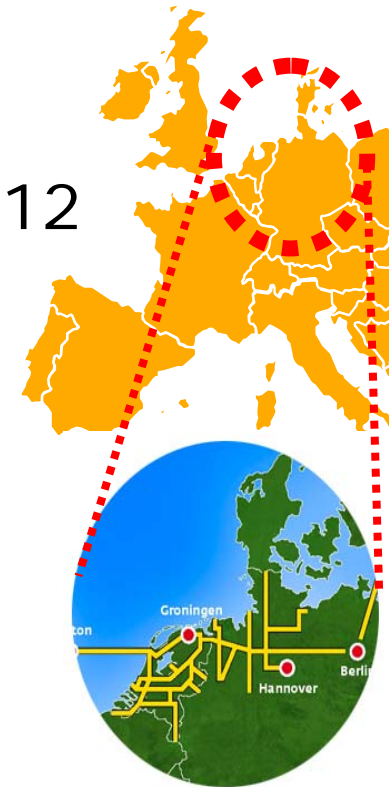
and miscellaneous

Closing

Jan van der Voort

Open Seasons

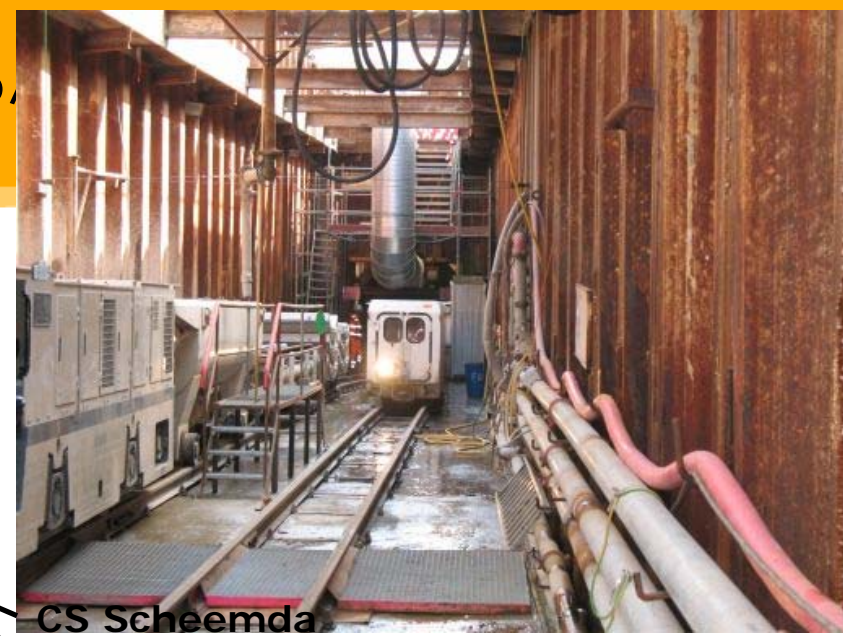
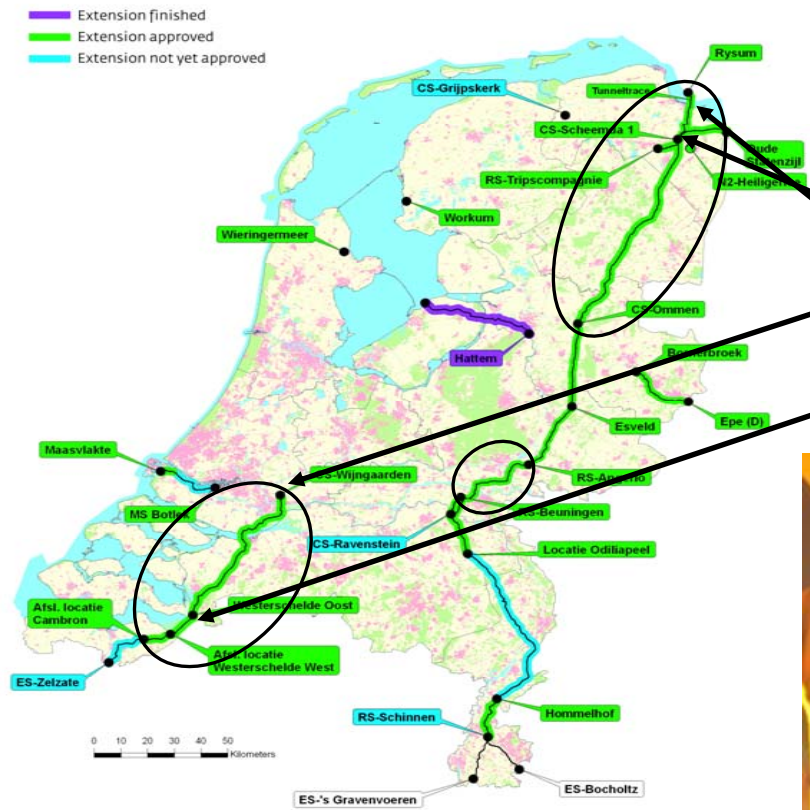
- Open Season 2012: split-up
- Construction Open Season 2005/2012
- Integrated Open Season



Open Season 2012

- Phase 2
 - Delays in open seasons EGT and Fluxys
 - Planning is shifting
- Result: phase 2A (Bocholtz) and phase 2B ('s Gravenvoeren)
- OS EGT (Bocholtz)
 - go decision taken
 - capacity available [1 October 2012](#)
- Phase 2b exit 's-Gravenvoeren
 - adjustments possible until 01-11-2009
 - go/no go date before 01-04-2010
 - capacity available [1 October 2013](#)

N/Z construction (OS 2005)



CS Scheemda
CS Wijngaarden (Emden entry)
Eems crossing
Westerschelde crossing



Overzichtskaart uitbreidingen gastransportsysteem 26-05-2009 versie 1
bestandsnaam: uitbreidingen_GTS_v1.pdf

Integrated Open Season GUD/GTS




- **Registration / Confidentiality Agreements (CA's):**
 - Closed 8th June: > 60 parties registered (CA's signed => Long List)
- **Letters of Intend (LoI's)**
 - Signed ultimately 1 July, 58 participants
 - Incl. capacity requests, new points & cross border indications
(-> planning process)
- **Precedent Agreement (PA)**
 - 1 PA for all IOS capacity contracts (GTS + GUD, incl. cross border);
 - PA's signed ultimately 1 October;
 - Where possible synchronisation with adjacent system operators;
 - Possibility for shippers to reduce or cancel capacities booked in PA's ultimately 2 November due to marketing process adjacent operators.

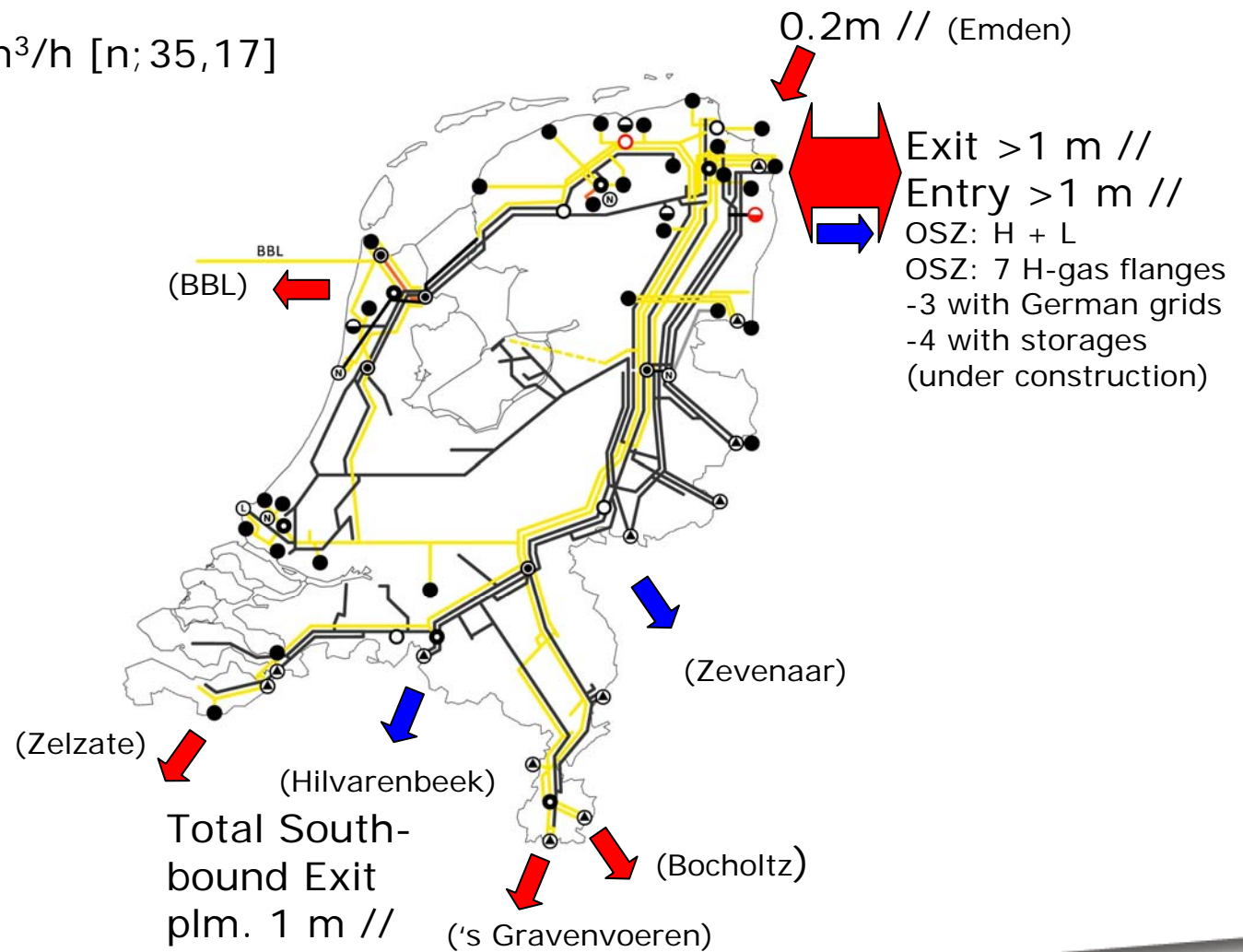
Integrated Open Season GUD/GTS: Results PAs

- PAs with capacity bookings signed by 25 participants
 - 17 participants have booked GTS capacities
 - 12 of these have booked in both GTS and GUD grid
- Booked capacities with GTS: 3-5m m³/hr
 - Total booked capacity in GTS grid 5m m³/hr: reductions possible (marketing process adjacent operators)
 - Max. reduction is 2m m³/hr, allowed ultimately 2 November
 - Finally booked capacity (2 Nov.) 3-5m m³/hr (5-7% growth GTS)
 - Comparable booked capacities in GUD grid (30-45% growth GUD)
- Main drivers: storage projects, cross border trading, new supplies

Integrated Open Season GUD/GTS: booked capacities (PA's 1 October)

Capacities in million m³/h [n; 35,17]

-  H-gas
-  L-gas
-  Entry / exit



Integrated Open Season GUD/GTS: further steps

- Time schedule IOS after signing PAs:
 - ASAP information on allocation in case of reduction or delay (Q2 2010)
 - Go/no go by GTS+GUD, 2nd half 2010 (offer GTS/GUD = binding)
 - Start of service (ref.): 1 October 2014 (min. 10 yrs contract from 10/'14)
 - Earlier start date (1 October 2013) can be requested at specified points

Programme

Introduction

Jan van der Voort

Security of Gas Supply

Marijke Kellner

Transport Insight

Mark Hobbelink Wiekens

Open Seasons

Jan Eggink

Lunch

New balancing regime and market model

Marcel Adrichem

Status tariffs, services and conditions

Harry Smit

and miscellaneous

Closing

Jan van der Voort

Programme

Introduction

Jan van der Voort

Security of Gas Supply

Marijke Kellner

Transport Insight

Mark Hobbelink Wiekens

Open Seasons

Jan Eggink

Lunch

New balancing regime and market model Marcel Adrichem

Status tariffs, services and conditions
and miscellaneous

Harry Smit

Closing

Jan van der Voort

Balancing & market model

- Process update
- Changes since last shipper meeting
- Cooperation with APX-Endex
- Flexibility services
- Peak supply
- Kickoff market transition

Process update



- Proposal “Gasvoorwaarden” (draft codes) submitted to EK
 - Mainly in “Transport- & Allocatievoorwaarden”
 - Peak supply (see relevant sheet)
 - “Programme responsible party” replaces “shipper” in other documents
- Detailed process models approved in NEDU, pending changes in legislation
- Parliamentary discussions on proposed changes “Gas Act” scheduled late 2009 - early 2010
- Decision on draft Codes by EK expected soon after legislative procedure. This is expected to leave one year for implementation

Expected time schedule unchanged since June

- Decision Lower House amendments Gas Act Nov 09
- Decision Senate Feb 10
- Decision NMa on gas codes Mar 10
- Development of messages Oct 09
- Communication standards Oct 09
- Certification messaging Jun 10
- POS and SBS to the market Oct 10
- Licensing PRP Nov 10
- Testing programme process Dec 10
- Testing Bid Price Ladder (bilateral) Feb 11
- Testing Bid Ladder System market Mar 11

- System in operation 1 Apr 11

Cooperation GTS and APX-Endex

- Goal is to enhance liquidity on APX-ENDEX within day market and bid price ladder and to facilitate improved market access
- by
 - providing price information on both markets through one portal
 - creating an option where an APX bid/offer is automatically forwarded to the bid price ladder
 - Exploring ways of improving efficiency of overall collateral utilization for market parties



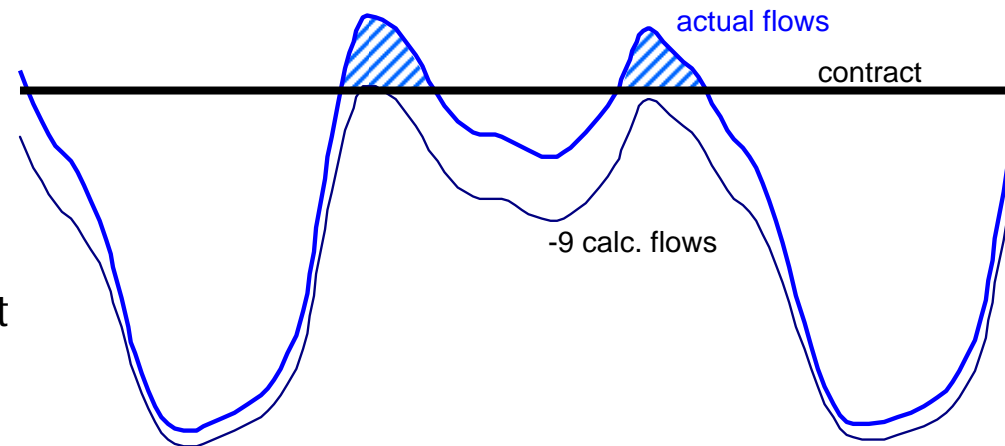
Flexibility service 2011

- Combiflex and Balancing-service up to introduction of new balancing regime
- Nominated service after introduction
 - at least for remainder of 2011
 - 2012 and further depend on GasTerra dominance
- Key characteristics will remain unchanged (1:1:168)
 - Actual use will no longer be determined by GTS but left to shippers
 - Operational aspects to be finalised
 - current ideas are that
 - Shippers nominate with one hour leadtime
 - GTS forwards (aggregated) nominations to flex-providers with 30 minute leadtime
 - Flex-providers confirm to GTS
 - GTS confirms to shippers and allocates to portfolio
 - Portfolio position (POS) is adjusted accordingly



Peak supply

- For household customers
- Programme responsible up to capacity associated with a typical -9°C day
in winter, -9°C capacity equals contracted capacity !
- GTS will provide the gas that exceeds the -9°C capacity (for household customers) in each portfolio
- Peak supply influences portfolio position (POS)
- independent from temperatures
- per portfolio, not per point



Market transition

- Kickoff meeting 19 November
- Aimed at the individual with final responsibility for implementing the new balancing regime and the market model in the company
- Invitation with questionnaire will be on your doormat shortly
- Kickoff meeting is the first of a series focusing on different priorities and target groups (business architects, IT architects and operations)
- Information on GTS website after kickoff

Programme

Introduction

Jan van der Voort

Security of Gas Supply

Marijke Kellner

Transport Insight

Mark Hobbelink Wiekens

Open Seasons

Jan Eggink

Lunch

New balancing regime and market model

Marcel Adrichem

Status tariffs, services and conditions
and miscellaneous

Harry Smit

Closing

Jan van der Voort

Part 1: Status on tariffs, services & conditions

1. Tariff proposal 2010
2. Tariff restructuring
3. Daily margin
4. Upgrade interruptible capacity
5. Contracting directly connected customers
6. Transparency, "three minus" - rule

Part 2: Miscellaneous


7. New gasses
8. TSC 2010, interruptible tranches
9. Contract Data Sheet
10. EUCABO services
11. Customer satisfaction survey

GTS Tariff proposal for 2010

X-factor decision and inflation

- Overall X-factor 5.4% (transport + QC)
- Overall tariff reduction 5.1% (X-cpi=5.4% -0.3%)
- Average reduction of 2009 tariffs -0.71 €////

Additional tariff change for

- 
- New activities 2008 – 2010 +0.11 €////
 - OS 2005 investment active as of 1/9/09 +0.07 €////
 - Total +0.18 €////
 - Already in 2009 tariffs - 0.10 €////

Effective tariff reduction 2009-2010 -0.63 €////

EK decision expected 15 December 2009

Tariff restructuring: Status of process & planning

GTS view presented at last shipper meeting

Supply (non-discriminatory, eff. trade, diversify)

- Uniform entry tariff

Quality (non-discriminatory)

- No differentiation H-gas, G-gas

Cost reflectivity (via exit tariff)

- Distance & pressure dependency
- North – South : 50 – 60 €////

Entry & exit distribution

- According to present situation: 40% entry, 60% exit

Storage stimulation (security of supply, diversification)

- 30% of exit tariff

Tariff restructuring: Status of process & planning

Developments since last shipper meeting

- ***2 additional meetings with RepOrgs***
 - global support for drivers for change
 - some open issues remain
- ***Energiekamer view***
 - thorough process required
- ***GTS reconsideration***
 - original timing 1 January 2010 not feasible
 - new timing: introduction as of 1 January 2011

Further details on this process after confer with Energiekamer

Daily margin (DM)

9 September 2008 (EK decision)

36%	up to 1 July 2009
10%	up to 1 January 2010
2%	as of 1 January 2010

8 August 2009

Announcement by EK to reconsider 2008 decision based on perceived quality of steering signal

- Investigation on quality of steering signal
- Continued 10% margin as of 1 January 2010 possible
- Hearing will take place in November

Upgrade of interruptible capacity

- Decision NMa 15 December 2008
 - GTS is not allowed to upgrade interruptible capacity to firm capacity when firm capacity becomes available, as of 01 October 2009
- Revised decision as of 01 October 2009
 - GTS is allowed to upgrade interruptible capacity unless shipper has stated explicitly, within 5 working days after the initial booking of the interruptible capacity, that he wishes not to have his interruptible capacity upgraded.

Contracting by Directly connected Customers

- Code changes submitted 5 June 2009
 - Original introduction date: 1 January 2010
 - Ultimate decision NMa 15 October 2009
- Current status: No decision yet
- Consequence: For 2010 shippers should contract as usual

Transparency, “three minus” decision

Regulation 1775/2005:

- Obligation for TSOs to publish detailed information (technical, contractual, available) on all relevant points unless confidentiality requires an exemption
- No exemption if more than 2 shippers

25 February 2009

- NMa decision on exemption request GTS
- Partial exemption for publication at 11 border points

Transparency, “three minus” decision

GTS will publish transport information at 11 additional border points.

- No exemption: total available capacity, booked interruptible, interruption probability, interruption level
- Exemption if $N < 3$: Contracted and technical capacity, filter determines exemption on a daily basis
- To be effective soon
- As of 3 March 2011 no exemption rules due to new EU regulation

New gasses

- New gasses are coming to NL (Russian, Norwegian, LNG's, green gasses ...) to compensate for declining Dutch production
- New gasses possibly have richer composition
→ lower methane number, different combustion behavior in gas appliances
- Netbeheer Nederland and all SO's will inform large users and market parties soon by letter

TSC 2010

Draft TSC 2010 published on the website

Feedback possible until 26 October

Final publication expected 30 October 2009

No major changes in TSC compared to 2009

TSC 2010 includes changes in interruptible capacity tranches. Also, first time interruptible capacity offered for:

- Epe storages, entry + exit
- Vlieghuis (Kalle storage), entry
- Winterwijk/Zevenaar, exit

Interruptible tranches 2010

Capacity releases for exit capacities

- Winterswijk/Zevenaar as of 1-1-2012
- Julianadorp as of 1-1-2010
- Hilvarenbeek as of 1-1-2012
- Oude SZ Ggas as of 1-11-2009
until 1-10-2010

Letter will be sent soon

Capacity will be allocated by notary procedure

Digital Contract Data Sheet as of 1 January 2010

For customers with access to GEA C&B

- Current CDSs are sent by mail, signed on paper
- As of 1 January 2010 GTS will confirm CDSs electronically
- This e-mail of GTS with a link to GEA C&B is the new confirmation of the booking

For customers without access to GEA C&B

- GTS sends a paper print of the CDS by mail, this is also the confirmation of the booking
- Customer does not have to return a signed CDS

EUCABO services

GTS has extended the EUCABO services (day-ahead capacity between GTS and GUD)

- Capacities can be booked for all working days for the week ahead
- Opening hours for day ahead booking extended by 1 hour (9-11 am)

Customer Satisfaction survey

- A new customer satisfaction survey will be done by Hanze Hogeschool Groningen in coming weeks
- Comparable to 2008 survey
- Shippers will receive an e-mail with a link to the questionnaire
- Questionnaire will take approximately 15 minutes
- We would be grateful for your cooperation, which will enable us to improve our services

Programme

Introduction

Jan van der Voort

Security of Gas Supply

Marijke Kellner

Transport Insight

Mark Hobbelink Wiekens

Open Seasons

Jan Eggink

Lunch

New balancing regime and market model

Marcel Adrichem

Status tariffs, services and conditions

Harry Smit

and miscellaneous

Closing

Jan van der Voort



Thank you for your attention