



INFO SESSION

Thursday 1 February 2018 | 14:30 – 16:30

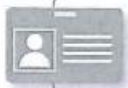


WELCOME TO FLUXYS

We are delighted to welcome you to our buildings and will do everything to make your visit pleasant and enjoyable.

SAFETY IS A PRIORITY FOR FLUXYS

Therefore may we ask you to follow a few instructions:



You have received a "Visitors" badge. Please make sure that this badge is visible at all times. When leaving, please return your badge to the receptionist.



In case of a building evacuation, carefully follow the instructions of your host.

If you become separated from your host:

- leave the building through the nearest emergency exit;
- do not use the lifts, instead use the stairs by following the green arrows;
- carefully follow the instructions that will be given to you by the safety staff at Fluxys.



May we kindly request you to respect the non-smoking rule in our buildings.

IN CASE OF EMERGENCY:

7100 = first-aid

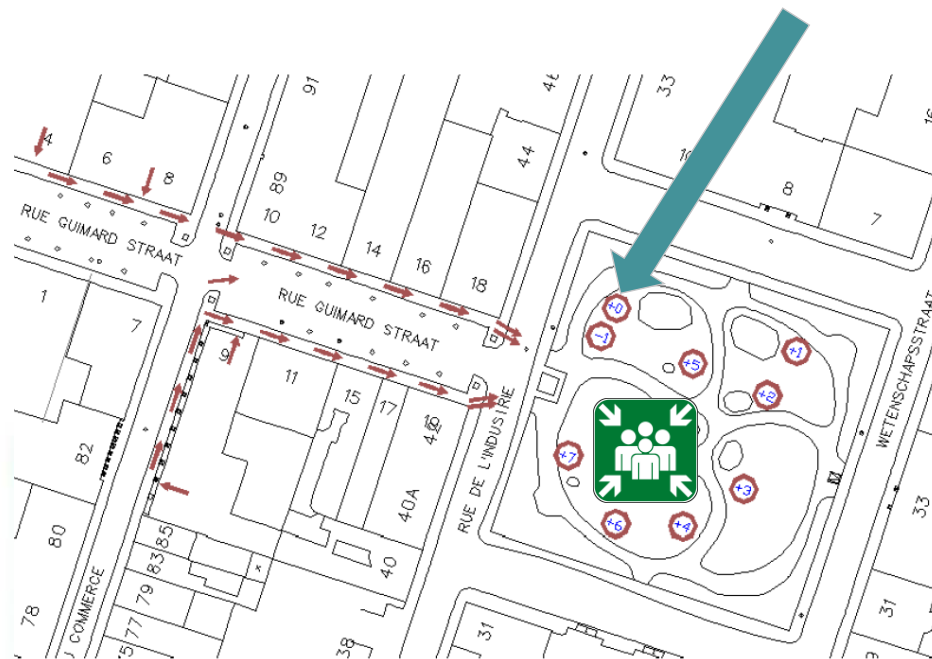
7900 = all other incidents

RECEPTION:

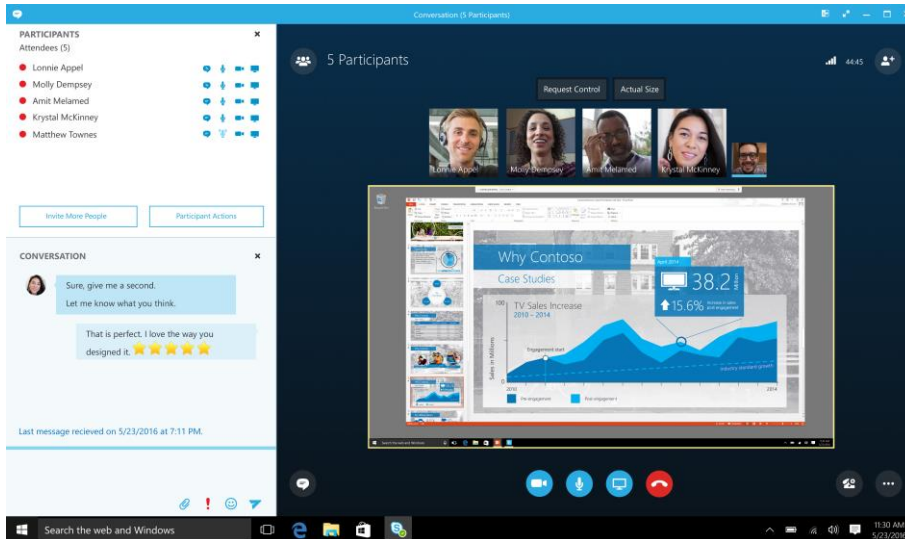
Avenue des Arts 31: from 7:45am to 5:45pm

Rue Guimard 4: after 5:45pm

Fluxys S.A.
Avenue des Arts 31 - 1040 Brussels
Tel. 02 282 72 11
www.fluxys.com



ONLINE SOLUTIONS FOR INFO SESSIONS



Welcome and thank you to our 19 stakeholders joining on-line!

- Successful test on 8/11/17
 - Presentation sharing
 - Room Audio sharing
 - Interactive chat-room, moderated by Fluxys people
 - On-line questions reported and answered in session, through the moderator
- Today rolled-out on a larger scale
 - Upon individual invitations only, with connectivity test before the session
 - Still in test to validate performance and feasibility of moderating a large chat room

Please note that, in order to provide a backup to people not being able to connect to the online session, the whole online session, including the audio and the chatroom, will be registered

Agenda > Content of Market Consultation #27

1. **Simplification of services and invoices**
2. **VIP Belgium-Netherlands**
3. **Capacity Conversion service**
4. **Reshuffling service**
5. **L/H Conversion and associated L/H capacity switch services**
6. **Technical adjustment**
7. **Planning and closing remarks**

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CLEAR POTENTIAL FOR STREAMLINING BOOKING PROCESS



Driver for change

Building on the feedback of several stakeholders we announced last info session (8 Nov 2017) that we would bring more products to PRISMA as:

- ✓ *Shippers prefer to buy capacity in a standardized and predictable way*
- ✓ *Moving products to PRISMA is positive as long as this does not reduce market windows or increases lead times*
- ✓ *Making more products available on day ahead basis, reducing lead times and extending windows creates opportunities*



Proposal

Optimize sales approach by using a single, automated platform – PRISMA – to buy IP capacity in user-friendly and predictable way

- *Keeping manual bookings (fax/mail) and processes as emergency back-up*

STREAMLINING SALES CHANNELS & DURATION



Non CAM IPs

- From EBS → PRISMA
- Any duration can be requested FCFS

LNG installation points

- From EBS → PRISMA
- For DNK LNG, the Cross Border Delivery Service is implicitly allocated

QC installation points

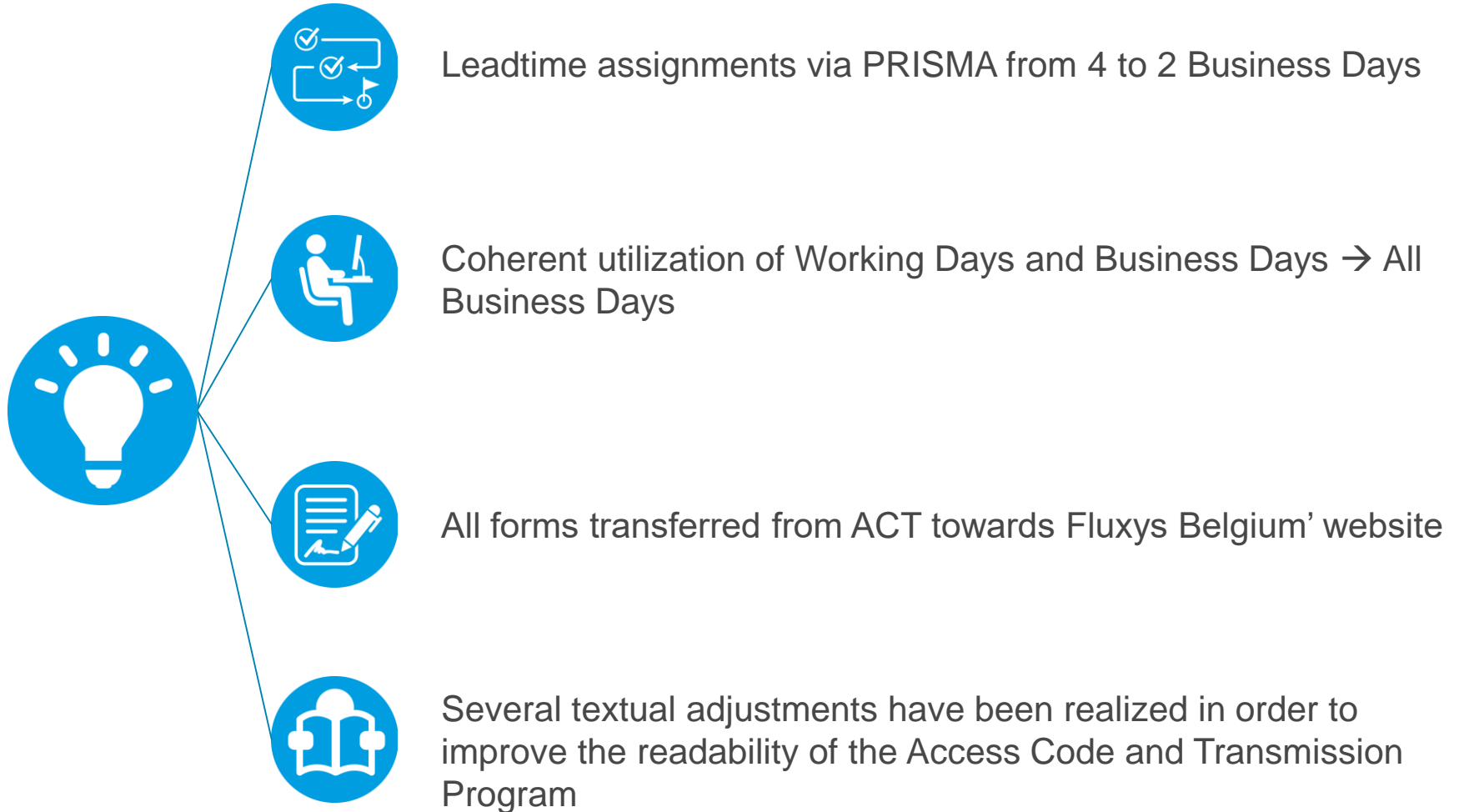
- From EBS/written request → PRISMA
- FCFS in general

Conversion to OCUC/Wheeling

- From written request → PRISMA
- Technical solution still in design with PRISMA

SERVICES		Sales Channel ¹	Allocation method	Duration	
Entry and Exit Services on IPs VIPs & LNG Terminal	<u>Blaregnies L</u>	PRISMA	Auction	Y, Q, M, DA, WD	
	Eynatten 1				
	Eynatten 2				
	<u>Hilvarenbeek L</u>				
	IZT				
	's Gravenvoeren				
	<u>Virtualys</u>		FCFS	Any duration	
	<u>Zandvliet H</u>				
	<u>Zelzate 1</u>				
	Zeebrugge ³				
	<u>Zelzate 2</u>				
	ZPT				
Zeebrugge LNG Terminal	Quality Conversion Service H→L	B-o-Y			
Dunkirk LNG Terminal ⁴			Min 1 GD		
Quality Conversion Service L→H				Y, Q, M, DA	
Capacity Conversion Service (unbundled to bundled)					Y, Q, M ⁶
Conversion into OCUC and Wheeling ⁵					
Entry and Exit Services on <u>Loenhout</u>	Implicit	Not applicable			
Exit Service for End Users Domestic Exit Point	EBS	FCFS	Any duration		
Exit Service for Distribution Domestic Exit Point	Implicit		Not applicable		
Other Services	Zee Platform	Written only	Not applicable	Not applicable	
	ZTP Trading Services				
	Imbalance Pooling Service				
	L/H Capacity Switch Service				
	Reshuffling Service				

ADDITIONAL SIMPLIFICATIONS



MODIFICATIONS IN REGULATED DOCUMENTS



Document	Art	Proposal
General for all documents (ACT, TP, STA): Forms on website and coherent use of Business Days		
ACT Att A	3.3 Cross Border Delivery Service	<ul style="list-style-type: none"> • Implicitly allocated together with a subscription request for DNK LNG
ACT Att B	3.1 Subscription of Services	<ul style="list-style-type: none"> • Updated list of services with its sales channel, allocation method and product duration
	3.3.2 FCFS on Prisma	<ul style="list-style-type: none"> • Description of “First-Committed-First-Served” procedure on PRISMA
	3.5 Subscription and allocation of services via written form	<ul style="list-style-type: none"> • More generic description of booking process in order to improve readability <ul style="list-style-type: none"> - No description of booking process for each service as repetition of description - No description what is on forms, all forms are available on website - Specific characteristics for the subscription of specific services
ACT Att C	4.2.7 Allocation Principle in case of a constraint	<ul style="list-style-type: none"> • Alignment of constraint management procedures in framework of EASEE-gas decision
ACT Att G	Forms	<ul style="list-style-type: none"> • All forms deleted and made available on website
TP		<ul style="list-style-type: none"> • Update description of services with its sales channel, allocation method and product duration • Description of FCFS procedure



INVOICE SIMPLIFICATION



Driver for change

Invoicing is top of mind when shippers are asked about FLX pain points

- *Invoices are overly complex – too many lines*
- *Number of invoices sent is too high – regular invoices and corrections, sometimes for very small amounts*
- *PDF format for annexes is not user friendly*

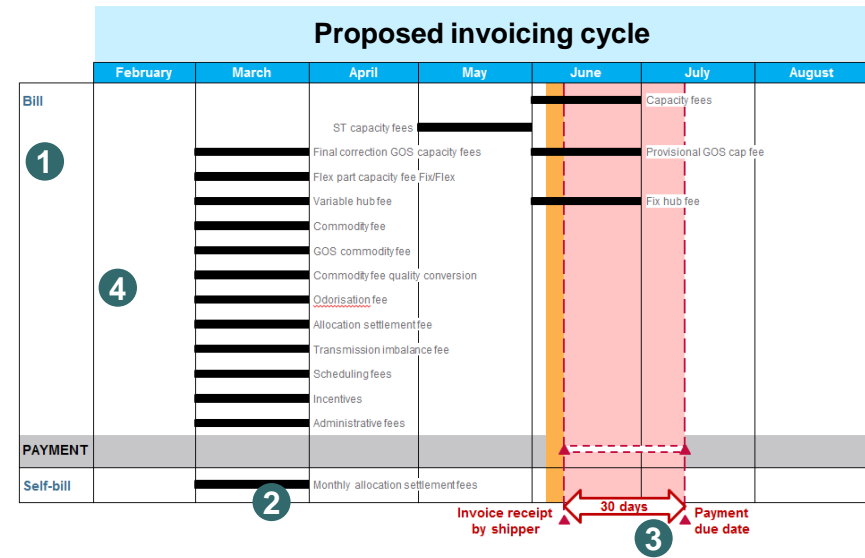
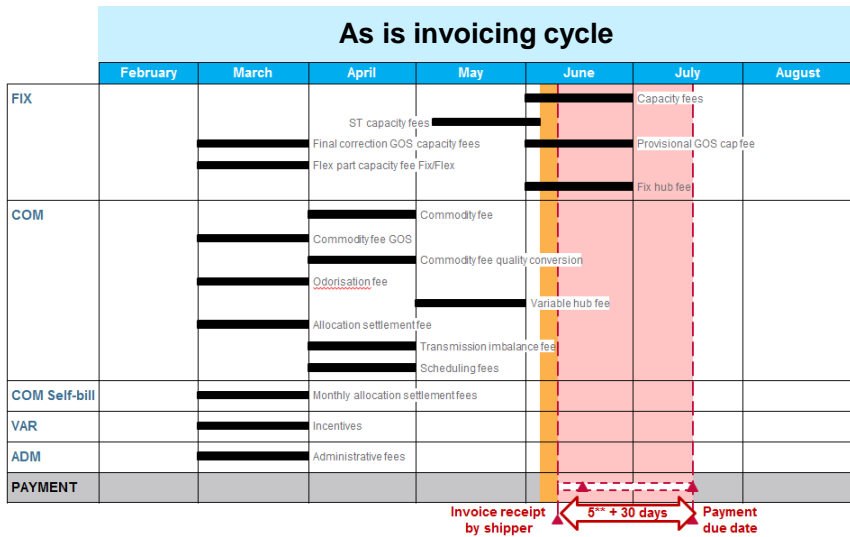


Solutions

Four initiatives identified to act upon feedback

- Streamline invoicing cycles*
- Offer user-friendly XML format for annexes*
- Streamline service offer – remove services and fees*
- Reduce number of back-billings*

SIMPLIFY INVOICING CYCLES



- 1 Streamlined invoice types (5→2)
- 2 Harmonizing through grouping addressed economic periods
- 3 Simplified payment due date
- 4 Back billings (items outside regular cycle)
 - Remove source of back bills through improved identification and correction of metering values
 - Group monthly back-bills into quarterly correction

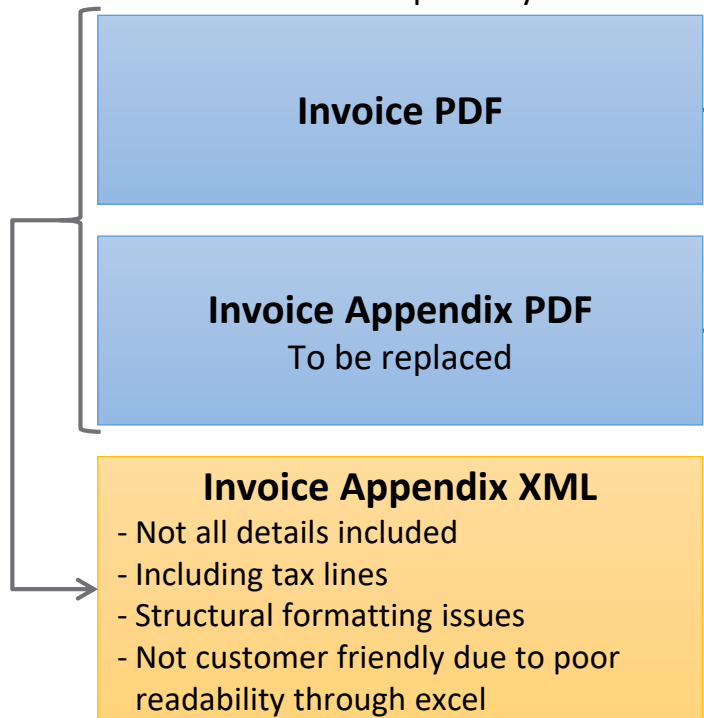
Doc	Art	Proposed modification
STA	Art. 6, 10, 14 & definitions	• References to FIX, COM, VAR, ADM replaced
	Art. 6.3	• Invoice deemed to be received on date of issue
ACT	Att A - Art. 6	• Reduce invoice types to bill and self-bill • Remove mention of FIX, COM, VAR, ADM, COM self-bill
TP	Section 6	• Reduce invoice types to bill and self-bill - Remove mention of FIX, COM, VAR, ADM, COM self-bill • Harmonize addressed economic periods



EASE TREATMENT OF INVOICES WITH USER-FRIENDLY FORMAT

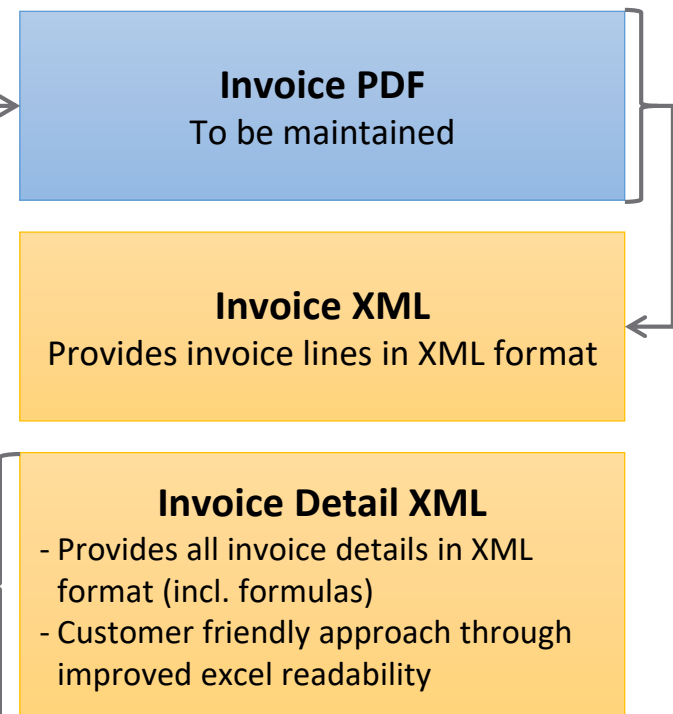
Current situation:

One set of documents for each
invoice separately



To be:

One set of documents for reduced
number of invoices



Transition will be facilitated through test document and support

STREAMLINING OF 'BILLABLE' SERVICES



Type	Service	Proposal
IP services	UK Compliancy Adjustment Service	<ul style="list-style-type: none"> • Fee removed for non-compliant gas • Selective constraint for Wobbe related problems included in IP constraint in ACT att. C1
	Transfer of capacity	<ul style="list-style-type: none"> • Remove tariff
Domestic exit shipper services	Capacity Pooling Service	<ul style="list-style-type: none"> • Include as standard option in allocation agreement at no cost
	Calendar Day regime	<ul style="list-style-type: none"> • Remove service
	Scheduling Fees	<ul style="list-style-type: none"> • Fee removed, keep nomination obligation
Fees applicable to end users	Connections and disconnections	<ul style="list-style-type: none"> • Dedicated fees removed, becomes part of included service offering
	Comm. of data w/o connect agr.	
	Secondary metering	



REQUIRED MODIFICATIONS STREAMLINING OF 'BILLABLE' SERVICES

Doc	Art	Proposal
TP	Art. 3.5:	<ul style="list-style-type: none"> Art. 3.5: Remove Capacity Pooling Service
	Art. 5.2	<ul style="list-style-type: none"> Pooling of capacity mentioned in description
	Art. 5.4	<ul style="list-style-type: none"> Remove UK Compliancy Adjustment Service
	Art. 6	<ul style="list-style-type: none"> Remove sections of removed services
ACT Att. A	Definitions	<ul style="list-style-type: none"> Remove unused definitions
	Art. 3.7	<ul style="list-style-type: none"> Capacity Pooling Service (Art. 3.7) Remove UK Compliancy Adjustment Service & move constraint to C1 (Art. 3.9)
	Art 4.5	<ul style="list-style-type: none"> Remove Scheduling Fees
	Art. 6	<ul style="list-style-type: none"> Remove UK Compliancy Service, Scheduling Fees and Capacity Pooling
ACT Att. B	Definitions	<ul style="list-style-type: none"> Remove unused definitions
	Art. 3	<ul style="list-style-type: none"> Remove Calendar Day section 3.5.2.8 Remove Capacity Pooling from table 3.1 and section 3.5.8 Add Capacity Pooling Agreement rules to 3.5.2.4 "allocation agreement"
ACT Att. C1	Art. 4	<ul style="list-style-type: none"> Lighter version of UK constraint currently in A moved to section 4.2.4
	Art. 5	<ul style="list-style-type: none"> Add Capacity Pooling Agreement rules to 5.1.2 + definition CRGU and PAGU
ACT Att. C4		<ul style="list-style-type: none"> Adapt references towards UK constraint
ACT Att. G		<ul style="list-style-type: none"> Remove Capacity Pooling Agreement form
Allocation agreement		<ul style="list-style-type: none"> No changes required – already includes necessary Capacity Pooling options



SIMPLIFY – WRAP-UP

Sales channels & products

- Offer IP products on PRISMA and at least on day-ahead basis

SERVICES		Sales Channel ¹	Allocation method	Duration ²
Entry and Exit Services on IPs VIPs & LNG Terminal	Blaregnies L	PRISMA	Auction	Y, Q, M, DA, WD
	Eynatten 1			
	Eynatten 2			
	Hilvarenbeek L			
	IZT			
	Virtualys		FCFS	Any duration, incl. WD
	VIP BE-NL ³			
	Zeebrugge ⁴			
	Zelzate 2			
	ZPT			
	Zeebrugge LNG Terminal			
Dunkirk LNG Terminal ⁵	B-o-Y			
Quality Conversion Service H→L				
Quality Conversion Service L→H	Any duration, incl. D-A			
Capacity Conversion Service (unbundled to bundled)				
Conversion into OCUC and Wheeling ⁶	Y, Q, M, DA			
Exit Service for End Users Domestic Exit Point				
Exit Service for Distribution Domestic Exit Point	Y, Q, M, DA ⁷			
Entry and Exit Services on Loenhout				
Other Services	Zee Platform Service	Written only	N/A	N/A
	ZTP Trading Services			
	Imbalance Pooling Service			
	L/H Capacity Switch Service			
	Reshuffling Service			

Invoice simplification

- Invoice simplification: regroup invoice, invoicing cycles and back billings
- Invoice digitalization: offer XML version of all invoices and appendices (detailed data)
- Service simplification: remove fees/services with no to limited added-value

We aim at a roll-out of changes by 1/7/2018

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MODEL & PRODUCT OFFER ON VIP BE-NL

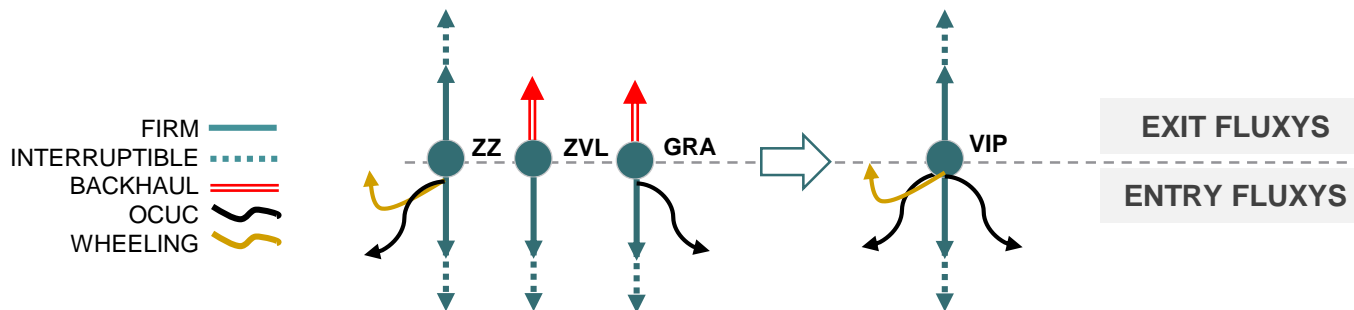
MODEL

- All H-points linking ZTP Notional - TTF will be grouped in a H-VIP. L-point untouched.
- New H-VIP point will replace Zelzate 1, Zandvliet H, 's Gravenvoeren. Existing IP's will disappear. All existing contracts will be operated on this new point. Technical capacity unaffected.



PRODUCT OFFER ON BIDIRECTIONAL VIP

- ✓ Firm
- ✓ Interruptible
- ✓ OCUCs that are offered today will also be available in the VIP
- ✓ Wheelings that are offered today will also be available in the VIP
- ✗ No more backhaul offered in the future as the new VIP is bidirectional



Same model, products and approach as with Virtualys (VIP BE-FR)
Implementation date to be defined, depending on GTS

VIP BE-NL - limited changes to REG. DOCUMENTS

Interconnection Points	Zone	Entry Transmission Services			Exit Transmission Services		
		Firm	Backhaul	Interruptible	Firm	Backhaul	Interruptible
Blaregnies L	L		X		X		0
Eynatten 1	H	X		0	X		0
Eynatten 2	H	X		0	X		0
IZT	H	X		0	X		0
Hilvarenbeek L	L	X		0		X	
's Gravenvoeren (2)	H	X		0		X	
VIP BE-NL (2)	H	X		0	X	X**	0
Virtualys (1)	H	X	X	0	X		0
Zandvliet H (2)	H	X		0		X	
Zeebrugge	H	X		0	X		0
Zelzate 1 (2)	H	X		0	X		0

- **X**** = Service is only valid for contracts concluded before the launch of VIP BE-NL (dates subject to pre-notice of 8 weeks)..
- **0** = Service is optionally offered, depending on Firm availability
- **(2)** According to the regulations set out in NCCAM Art 19.9, the name of the Interconnection Points Zelzate 1, Zandvliet H and 's Gravenvoeren will be aligned with the name of the new "virtual" Interconnection Point VIP BE-NL. Any reference in a Service Confirmation to Zelzate 1, Zandvliet H and 's Gravenvoeren will then be considered as a reference to the new Interconnection Point VIP BE-NL. The date of the alignment will be communicated with a pre-notice of 8 weeks.

Former IP (name)	New IP (name) "virtual"
- 's Gravenvoeren	- VIP BE-NL
- Zandvliet H	- VIP BE-NL
- Zelzate 1	- VIP BE-NL

Old IP's still in the table as they stay active until the launch date of the VIP.

Backhaul will be maintained for the existing contracts

Mapping table for existing contracts

Changes in ACT Attachment A & Transmission Program

TARIFF VIP BE-NL (IN €/kWh/h/Y) *

Current H-gas	ENTRY	FIRM	INTERRUPTIBLE	OCUC	WHEELING (ZZ2)
	Zelzate 1	0,732	0,586	1,073 [IZT/ZBG]	0,333
	Zandvliet	0,732	0,586		
	's Gravenvoeren	0,732	0,586	0,469 [EYN]	
	EXIT	FIRM	INTERRUPTIBLE	OCUC	WHEELING (ZZ2)
	Zelzate 1	1,903	1,523	1,073 [IZT/ZBG]	0,333
	Zandvliet				
	's Gravenvoeren			0,469 [EYN]	



VIP H-gas	ENTRY	FIRM	INTERRUPTIBLE	OCUC	WHEELING (ZZ2)
	VIP BE-NL	0,732	0,586	1,073 [IZT/ZBG] 0,469 [EYN]	0,333
	EXIT	FIRM	INTERRUPTIBLE	OCUC	WHEELING (ZZ2)
VIP BE-NL	1,903	1,523	1,073 [IZT/ZBG] 0,469 [EYN]	0,333	

* Based on 2018 tariffs as published on FLX BE website (€/kWh/h/y) – Tariff sheet will be updated in function of consultation outcome

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UPGRADE OF CAPACITY CONVERSION SERVICE 1/3

As from 01/01/2018, Fluxys Belgium upgraded its Capacity Conversion service by automating the process via PRISMA and by offering the service on a Day-Ahead basis.

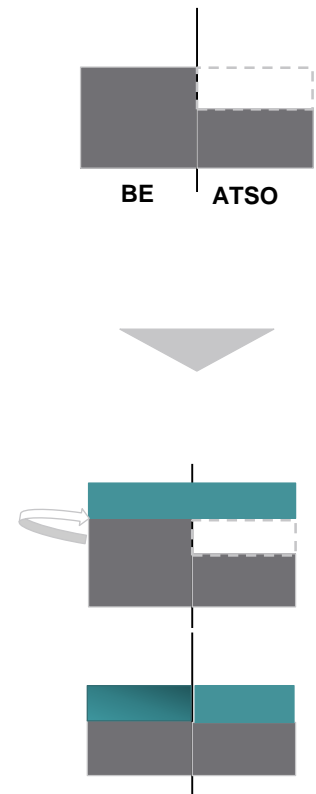
PRISMA-BASED SOLUTION

- Grid users have the possibility to instantaneously request Capacity Conversion through PRISMA whenever new bundled capacity is acquired.
- In practice, the option for Capacity Conversion is given in the bidding screen. Please note that the correct contract reference should be used in order to automatically process your request.

DAY-AHEAD CONVERSION

- Capacity Conversion service is now available for Day-Ahead capacity, in addition to the Monthly, Quarterly and Yearly products for which Capacity Conversion was already possible

Both changes will be evaluated during a test period that runs in parallel with the market consultation. Based on the results of both market consultation and evaluation period, the service might be further adjusted in Q2 2018.



UPGRADE OF CAPACITY CONVERSION SERVICE 2/3

YOUR BIDDING CURVE

Info Minimum bid: 1 kWh/h, PRISMA uses the English decimal point system. e.g. 1,000.043

ACTIVE BID

Surcharge* cent/kWh/h/Runtime

Amount* kWh/h

+ Add another surcharge

Desired balancing group*

Fluxys TENP TSO S.p.A.

UPGRADE OR CONVERSION

Bid for an upgrade of capacity **i**

Bid for conversion of unbundled to bundled contract

1 Select checkbox to request Capacity Conversion service

Information for the unbundled to bundled conversion

FLUXYS TENP TSO S.P.A. **EXIT**

FLUXYS BELGIUM NV/SA **ENTRY**

FLUXYS | BE 

Contract ID

2 Insert contract reference

Maximal capacity to be converted* kWh/h

3 Capacity amount to be converted

Depending on the involved TSOs, the unbundled to bundled conversion may only be offered on one side of the bundle via the PRISMA platform. If offered on both sides the conversion can only be performed on one side of the bundle. In case the unbundled to bundled conversion is not offered for a TSO, please contact the concerned TSO directly

Example of PRISMA bidding screen

UPGRADE OF CAPACITY CONVERSION SERVICE 3/3

SERVICES		Sales Channel (1)	Allocation method	Duration (2)
Entry and Exit Services on IPs VIPs & LNG Terminal	Blaregnies L	PRISMA	Auction	Y, Q, M, DA, WD
	Eynatten 1			
	Eynatten 2			
	Hilvarenbeek L			
	IZT			
	's Gravenvoeren			
	VIP BE-NL ¹			
	Virtualys			
	Zandvliet H			
	Zelzate 1			
	Zeebrugge (3)		FCFS	Any duration
	Zelzate 2			
	ZPT			
	Zeebrugge LNG Terminal			
Dunkirk LNG Terminal (4)	FCFS	B-o-Y		
Quality Conversion Service H→L			Min 1 GD	
Quality Conversion Service L→H				
Capacity Conversion Service Case 1 (unbundled to bundled)	Y, Q, M, DA			

Changes in ACT Attachment B

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RESHUFFLING

- **Conditions of eligibility**

- Eligible

- » Entry and Exit unbundled capacity contracts
 - » Firm and backhaul capacity types
 - » 4 years option : Minimum $MTSR_d$ per IP/per direction from 1/10/2019 till 30/09/2023
 - » 5 years option : Minimum $MTSR_d$ per IP/per direction from 1/10/2018 till 30/09/2023

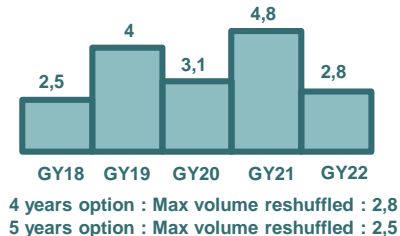
- Not eligible

- » Bundled capacity contracts (+ contracts linked with Cross Border Delivery Service)
 - » OCUC & Wheeling capacity contracts

- **Description**

- Reshuffling Service from IP_A to IP_B consists in :

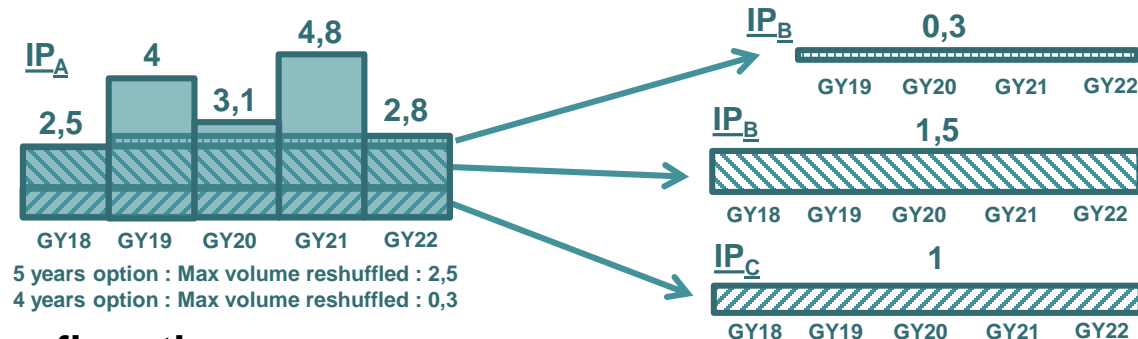
1. The surrender of an existing unbundled capacity contract on IP_A in accordance with existing rules
2. The subscription of a new capacity on IP_B on PRISMA (either during the yearly auctions, either in FCFS)
3. The (partial) transfer of the rights and obligations of the existing capacity contract to IP_B in case :
 - > GU has effectively subscribed the requested new capacity on IP_B on PRISMA flat over each gas year of the considered period
 - > And/or TSO has reallocated the capacity contract surrendered on IP_A



SERVICE DESCRIPTION

• Subscription

- Reshuffling requests to be sent during an unique subscription window that will be organized in May 2018
- Conditions :
 - » Up to the eligible quantity in one or several capacity strips (4 or 5 years blocks)
 - » Entry for Entry, Exit for Exit ; H→H ; H → L and L → H
 - » Revenue neutral for TSO (based on applicable tariffs 2018 ; premium of newly acquired capacity remains due)
- Reshuffling request is deemed binding for surrender of capacity and target IP



• Service confirmation

- Based on the capacities effectively subscribed on PRISMA (either via auctions or FCFS), TSO confirms the transferred quantities

• Applicable tariff

- “Transfer of capacity – Transaction realised by Fluxys Belgium on behalf of”
 - » One off 3% fee on effectively transferred Transmission Service contract value* (reallocated and/or reshuffled)

* Calculated with tariffs 2018

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1ST JUNE 2018 : CONVERSION PLAN

INFRAX (IVEG)

- Antwerpen (Hoboken, Kiel)

INFRAX (Inter-energa)

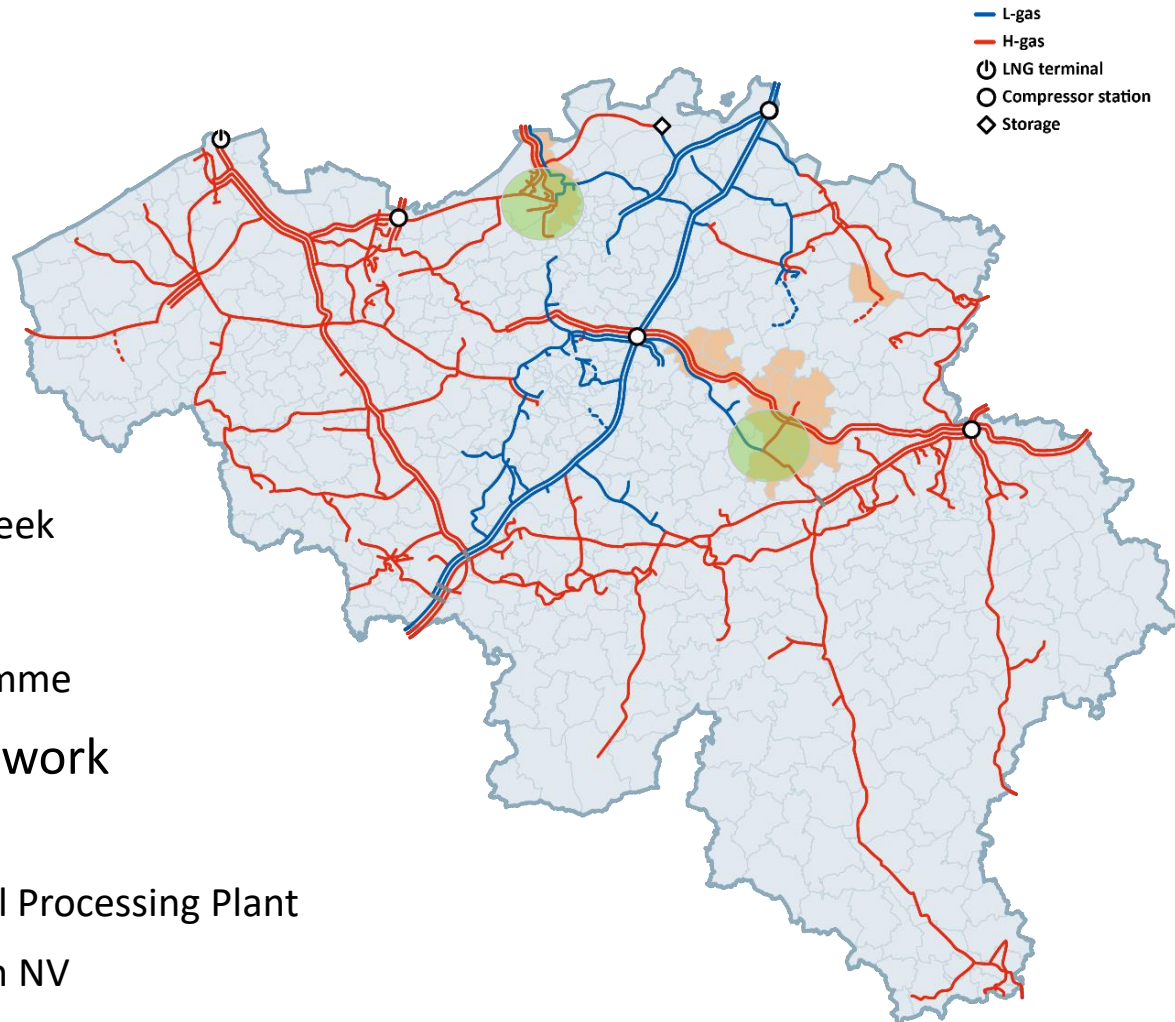
- Ginkelom, Sint-Truiden, Landen, Zoutleeuw, Linter, Geetbets, Holsbeek, Lubbeek, Tielt-Winge, Glabbeek

RESA

- Berloz, Hannut, Geer, Waremme

Industrial clients on FLX Network

- Umicore Hoboken
- ATPC-VTTI Antwerp Terminal Processing Plant
- Total Raffinaderij Antwerpen NV



- L-gas
- H-gas
- ⚡ LNG terminal
- ⚡ Compressor station
- ◇ Storage

List of principal municipalities – Part of other municipalities can also be converted



CURRENT ARS COMPOSITION – L GAS

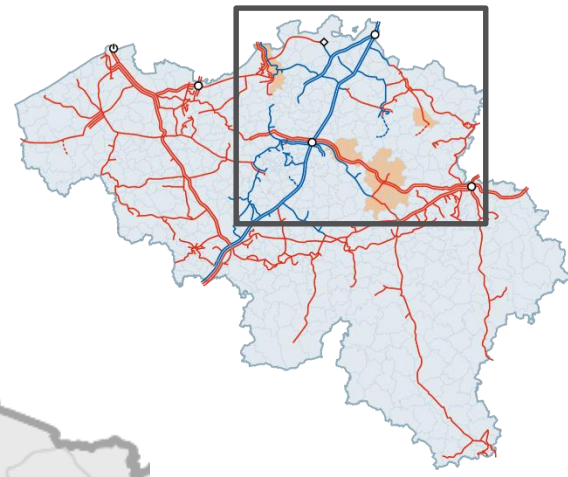
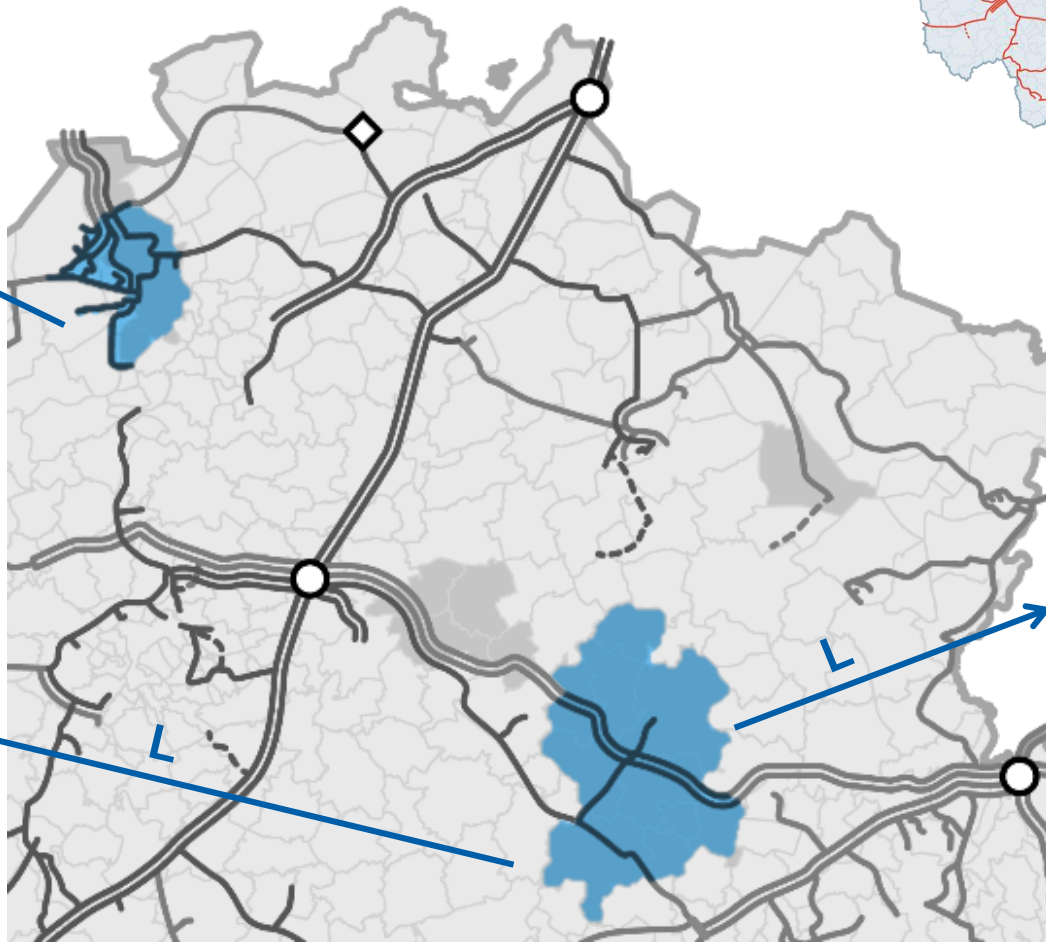
ARS IVEG
Hoboken - Boom

OS IVEG Hoboken

OS IVEG Boom

ARS RESA Hannut
OS RESA Hannut

ARS RESA Spime
OS RESA Spime

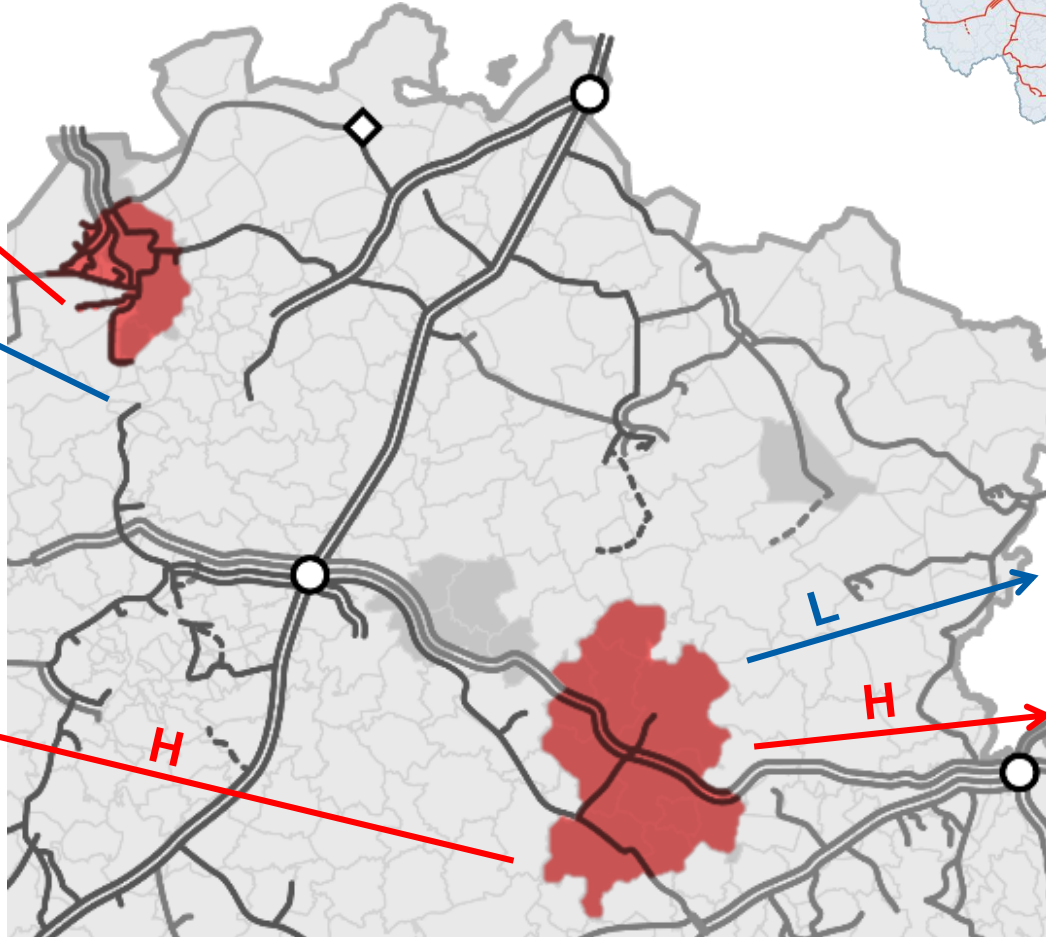
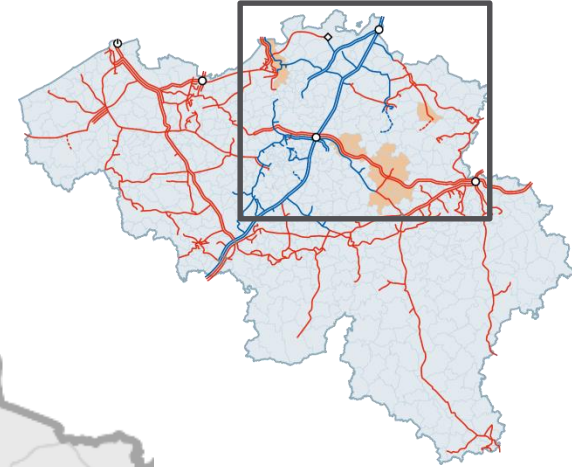


ARS Inter Energa
West

- OS Inter Energa Landen
- OS Inter Energa St-Truiden
- OS Inter Energa Lubbeek
- OS ...



EVOLUTION OF ARS COMPOSITION 1ST JUNE



ARS IVEG
Hoboken - Boom

OS IVEG Hoboken

OS IVEG Boom

go to NEW ARS

IVEG

Hoboken – Boom 2

ARS RESA Hannut

OS RESA Hannut

ARS RESA Spime

OS RESA Spime

Completely
converted

ARS Inter Energa
West

OS ...

OS Inter Energa Landen

OS Inter Energa St-Truiden

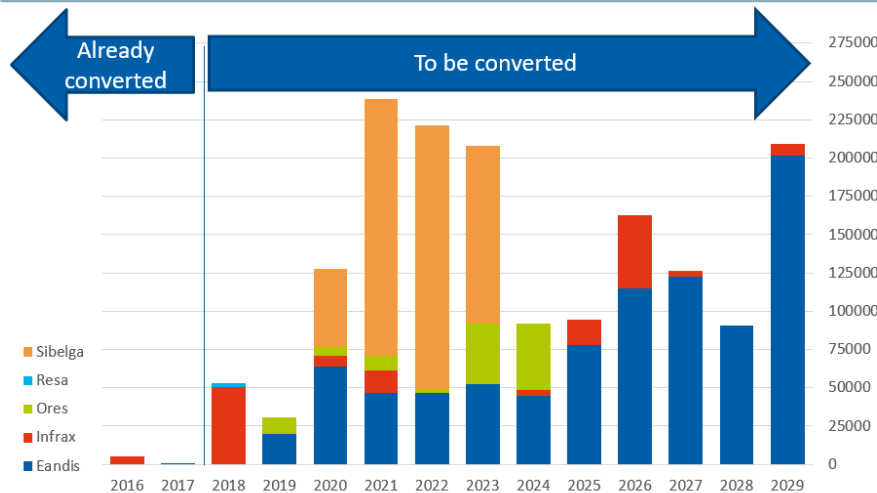
OS Inter Energa Lubbeek

go to existing ARS
Inter Energa
Dilsen-Lommel Zuid



L/H CAPACITY SWITCH SERVICE - CONTEXT

Number of conversions (Synergrid)



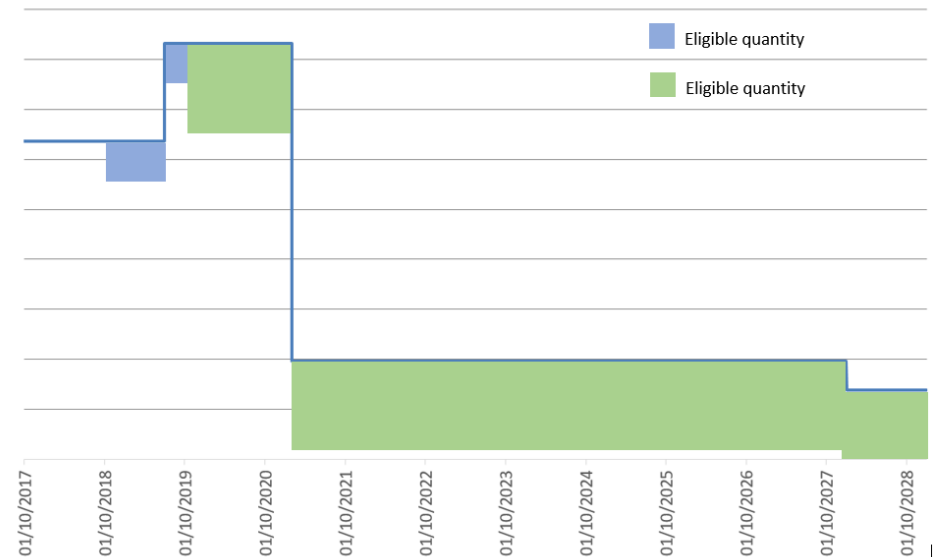
- Physical conversion of domestic exit customers triggers the switch of underlying domestic exit capacity contract to H → We believe a similar approach for Entry remains relevant
- During past small-scale conversions, Fluxys offered a fully manual solution for shippers to switch L entry capacity to H, for a quantity (same kWh/h) corresponding to their market share for the converted clients
- In the coming years, a foreseeable amount of capacity will have to be switched and an enduring solution is preferably developed to create visibility on conditions

We aim at developing a simple & CAM compliant solution



CAM COMPLIANT SOLUTION, INSPIRED BY RESHUFLING SERVICE

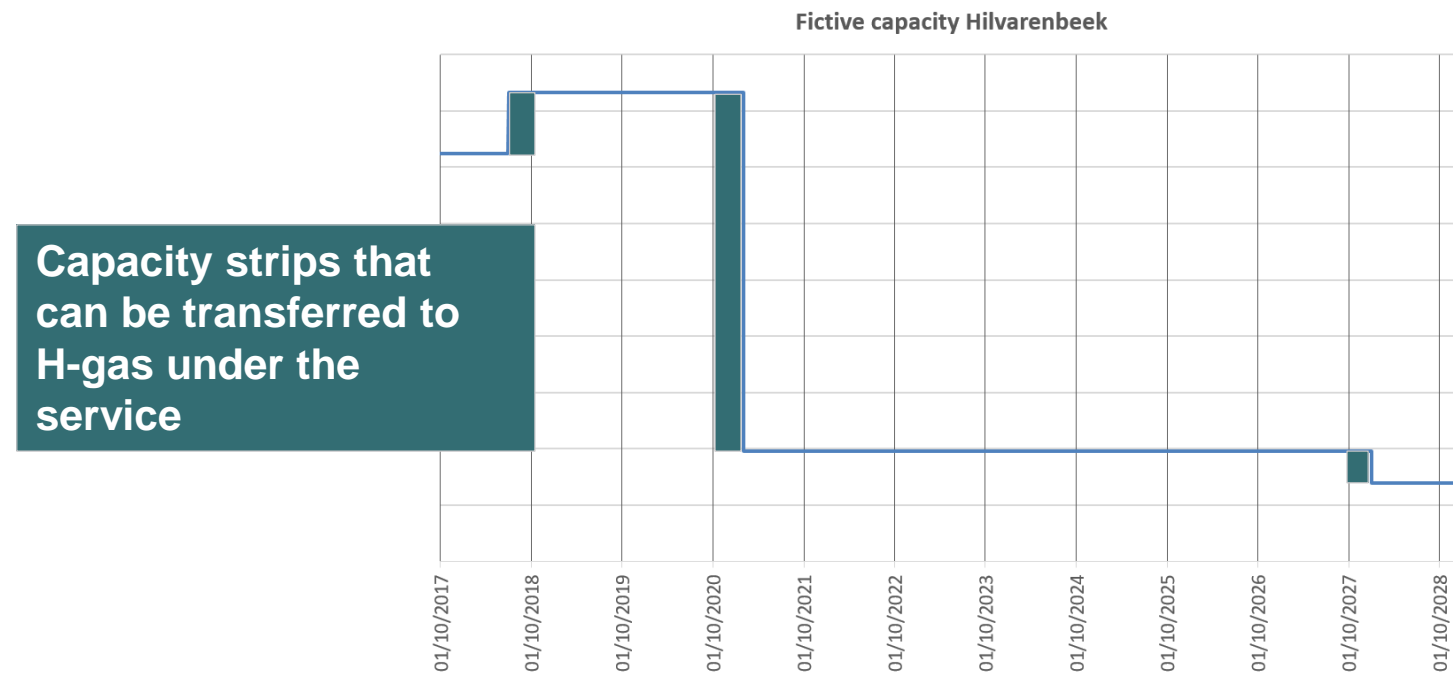
- Each year Y
 - FLX determines the eligible quantities for Y+1 and Y+x, prior to May Y, based on and in proportion of Synergrid binding yearly publication of conversion planning
 - A subscription window is organized in May. Grid User surrenders L entry capacity, and identifies desired corresponding H entries
 - In July, Grid User subscribes requested new yearly capacity on PRISMA – bundled/unbundled
 - Capacities from June to end September cannot be switched
 - L entry capacity contract is transferred to H entry to the extent that
 - Grid User acquired the requested capacity on the target H-gas IP, or
 - The capacity was reallocated by TSO, via surrender





ONE-OFF SERVICE ALIGNMENT ON GAS YEAR

- Proposal to foresee an exceptional option in the 2018 subscription window allowing Grid Users to transfer some L-gas capacity strips to H-gas in order to align the start and end dates of their services on gas years
- The capacity strips would not be acquired through auctions on H gas
- As from 2019, only gas years would be switchable in the framework of the L/H Capacity Switch service



SUBSTITUTION SERVICES - PROPOSAL

Reshuffling

L/H capacity switch

- | | |
|---|---|
| <ul style="list-style-type: none">• Shipper reshuffles/surrenders capacity<ul style="list-style-type: none">– H or L – Entry or Exit– Using specific form detailing the target new IPs• Eligible quantity per shipper and per IP: Min (MTSR_d) over the period GY 2018-2022 or GY 2019-2022• Shippers subscribes new capacity on PRISMA – bundled/unbundled• Existing services transferred to the extent that<ul style="list-style-type: none">– He acquired a new capacity, or– The capacity was effectively surrendered• Payment of 3% of reshuffled contract value | <ul style="list-style-type: none">• Shipper switches/surrenders capacity<ul style="list-style-type: none">– L – Entry for H – Entry– Using specific form detailing the target new IP• Eligible quantity per shipper: a quantity in GW for Y+1 and Y+x, communicated by Fluxys each year• Shippers subscribes new H-entry capacity on PRISMA – bundled/unbundled• Existing services transferred to the extent that<ul style="list-style-type: none">– He acquired a new capacity, or– The capacity was effectively surrendered• Free of charge |
|---|---|

**Both services have comparable characteristics
our proposal is to group them, with capacity conversion, under the generic name
of “Substitution Services”**

MODIFICATIONS IN REGULATED DOCUMENTS

Doc	Art	Proposal
STA	Definitions	<ul style="list-style-type: none"> • Substitution Service, Capacity Conversion Service, Reshuffling Service, L/H Capacity Switch Service
TP	Art. 3.8:	<ul style="list-style-type: none"> • Substitution Services description added
ACT Att. A	Definitions	<ul style="list-style-type: none"> • Add specific definitions for eligible capacities Reshuffling and L/H Capacity Switch Services
	Art. 3.8	<ul style="list-style-type: none"> • Substitution Services <ul style="list-style-type: none"> • Description of Capacity Conversion Service (Art. 3.8.1) - updated • Description of Reshuffling Service (Art. 3.8.2) - new • Description of L/H Capacity Switch Service (Art. 3.8.2) - new
	Art 6.2.13 (v)	<ul style="list-style-type: none"> • Administration fee for Reshuffling Service
ACT Att. B	Art. 3.6.5	<ul style="list-style-type: none"> • Substitution Services <ul style="list-style-type: none"> • Subscription of Capacity Conversion Service (Art. 3.6.5.1) - updated • Subscription of Reshuffling Service (Art. 3.6.5.2) - new • Subscription of L/H Capacity Switch Service (Art. 3.6.5.3) - new
ACT Att. E	Art. 2.2.4	<ul style="list-style-type: none"> • Allocation of surrender requests when deemed to be received at the same time

Agenda > Content of Market Consultation #27

1. Simplification of services and invoices
2. VIP Belgium-Netherlands
3. Capacity Conversion service
4. Reshuffling service
5. L/H Conversion and associated L/H capacity switch services
6. Technical adjustment
7. Planning and closing remarks

TECHNICAL CHANGES ^{1/2}

- EASEE-GAS considers to adopt a new CBP, covering constraint management
- In particular, this CBP governs how to reduce confirmed quantities when FIRM capacities are constrained (e.g. maintenance or emergency)
- Today's system for FLX.be: pro-rata nominated quantity
- CBP: pro-rata subscribed capacity with optimization of unused capacity
- Rationale for change
 - All other TSOs in NW-Europe apply already a rule close to this CBP
 - Closer to the logic of interruptible → streamlines and simplifies the rules

Shipper	Booked	Start date of booked contract	12/12/2017 Nominated
A	1000	1/10/2017	600
B	1000	11/12/2017	1000
C	3000	1/12/2017	900
	5000		2500

Constraint 2000

As is

1) Constraint based on nominations

Shipper	Nominated	Confirmations
A	600	480
B	1000	800
C	900	720
	2500	2000

To be

3) Constraint based on reserved capacity with optimization (unused capacity)

Shipper	Booked	Pro rata capacity subscription	Confirmations (min(cap;nom))	Optimized confirmations
A	1000	400	400	550
B	1000	400	400	550
C	3000	1200	900	900
	5000	2000	1700	2000

TECHNICAL CHANGES _{2/2}

- With Virtualys (VIP BE-FR), we need to have a gas quality specification in the ACT (annex C4), as for all other IPs.
- With the Interconnection Agreement on Virtualys agreed end 2017, relevant specifications have been aligned → possible to create a unified specification for that VIP

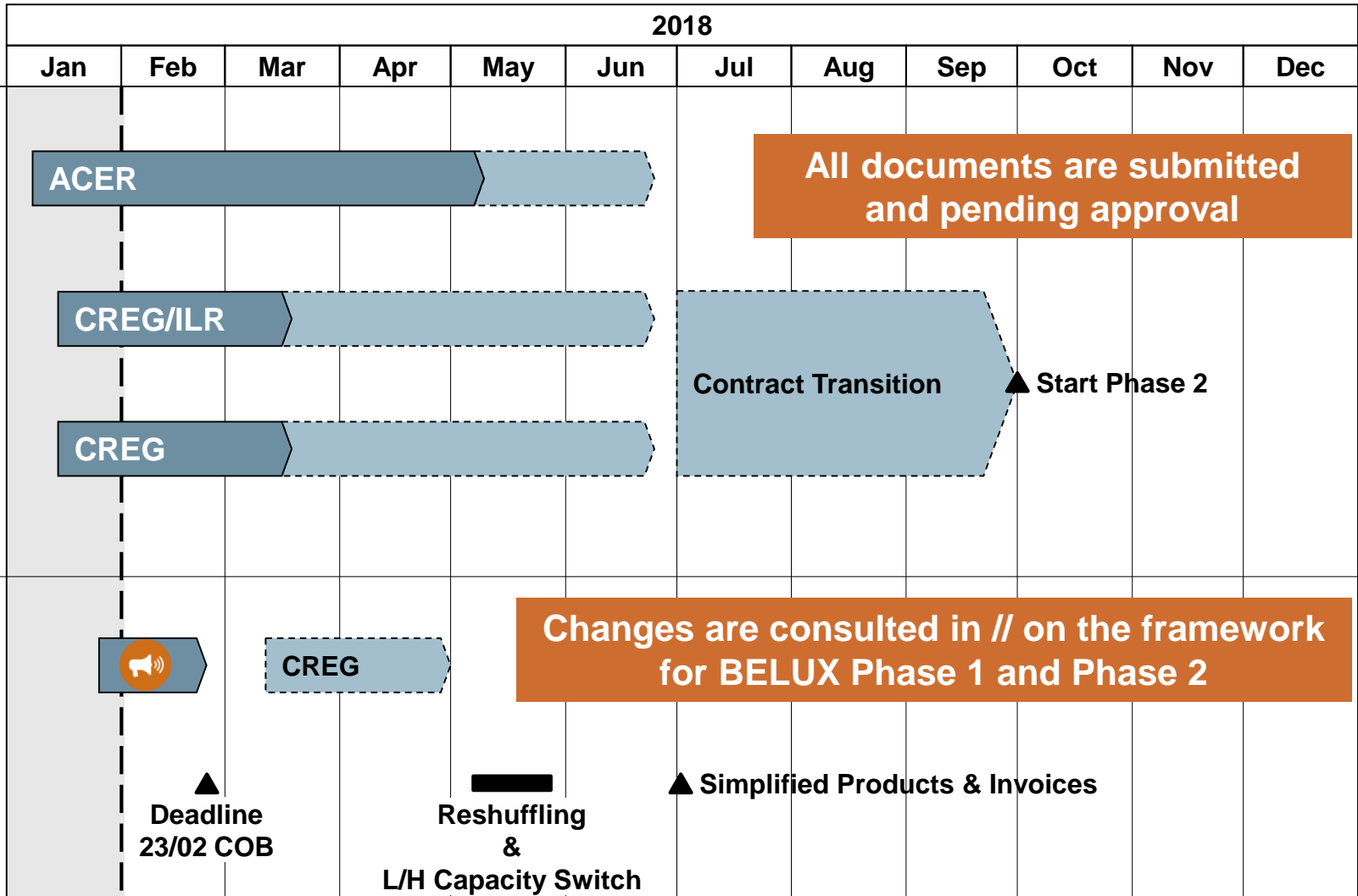
	Unit	Min.	Max.
Gross Calorific Value	kWh/m ³ (n) (25°C, 0°C)	10.80	12.77
Wobbe Index	kWh/m ³ (n) (25°C, 0°C)	13.82	15.47 ⁽¹⁾
Temperature	°C	2	38
Hydrocarbon dewpoint	°C from 0 to 69 barg		Minus 2
Water dewpoint	°C at 69 barg		Minus 8
Oxygen content (O₂)	ppm by vol		1000
Carbon dioxide content (CO₂)	Mole %		2.5
Hydrogen sulphide content (H₂S) (inclusive of COS) (as S)	mg/m ³ (n) (as S)		5
Total sulphur at any time (as S)	mg/m ³ (n) (as S)		30
Mercaptans (as S)	mg/m ³ (n) (as S)		6

¹ For redeliveries of Natural Gas at IZT/Zeebrugge, we refer to section 4.2 of Attachment C1 to the Access Code for Transmission.

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TIMELINE



Please contact your Key Account Manager for more information

THANK YOU FOR
YOUR ATTENTION!

FLUXYS

