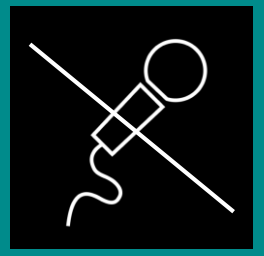
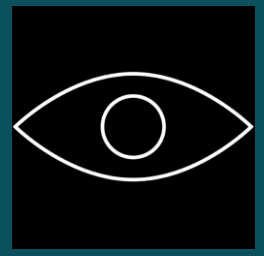
# SHIPPERS' FORUM

9 December 2021



MUTE YOUR MICROPHONE, WHEN YOU DON’T SPEAK



SWITCH ON YOUR CAMERA, ONLY WHEN YOU ARE GIVEN THE WORD TO SPEAK

USE THE ‘RAISE HAND’ FUNCTION IF YOU WISH TO COMMENT OR ASK A QUESTION…

…YOU CAN ALSO WRITE YOUR QUESTION USING THE CHAT - THE HOST WILL ASK THE QUESTION FOR YOU

# WELCOME

Clement Johan Ulrichsen, Energinet

# PROGRAMME

13.00 Welcome – *Clement Johan Ulrichsen, Energinet*

13.10 Danish Utility Regulator – *Peter Lyk-Nielsen, Danish Utility Regulator*

13.30 Imbalance prices in Emergency – *Lasse Trøjborg Krogh, Energinet*

13.40 Supply and demand – *Christian Meiniche Andersen, Energinet*

13.50 Gas Storage Denmark – *Mads Vejlby Boesen, Gas Storage Danmark*

*14.10 BREAK*

14.25 Baltic Pipe

- Update – *Jeppe Danø, Energinet*
- Balancing Model 2022 – *Signe Louise Rasmussen, Energinet*
- Capacity Platform – *Signe Louise Rasmussen, Energinet*
- Gas Filling – *Lasse Trøjborg Krogh, Energinet*

14.55 Final remarks – *Clement Johan Ulrichsen*

# WELCOME

Clement Johan Ulrichsen, Energinet

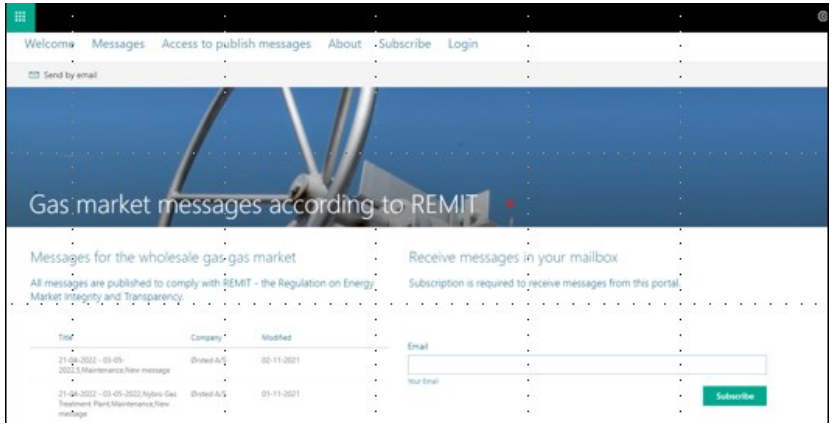
# GAS MARKET MESSAGE PLATFORM TO CLOSE

**From 1 May 2022:**

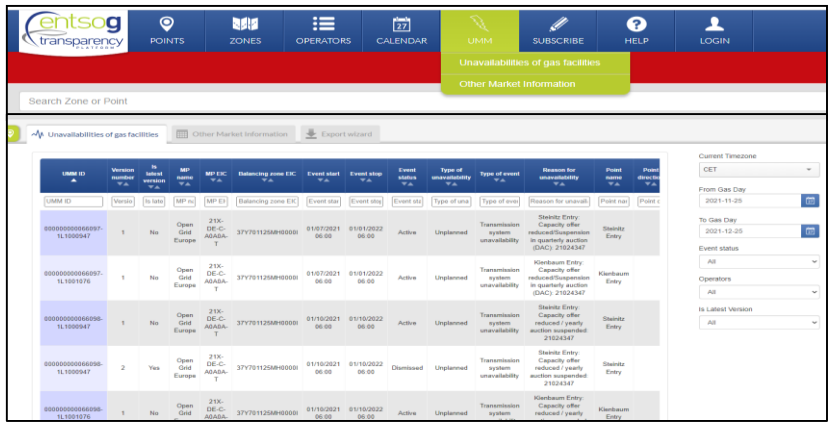
- Gas Market Message (GMM) platform will close
- Energinet will only publish REMIT messages on the ENTSOG transparency platform
- Other publishers (infrastructure owners) may use other platforms

**Until 30 April 2022:**

- Energinet will use both the ENTSOG and the GMM platforms




https://gasmarketmessage.dk/SitePages/WelcomePublic.aspx




https://transparency.entsog.eu/#/umm/unavailabilitiesgasfacilities

# EXPECTED: CHANGE IN OFF-SPEC FEE

## CURRENT FEE

- Standard fee set in 2004
- Changing hands from shippers delivering off-spec to shippers delivering to end-consumers

## REASON FOR CHANGE OF FEE

- Present structure does not fit well with future transit system
- Does not give a strong incentive for shippers to avoid off-spec gas

## EXPECTED FUTURE FEE

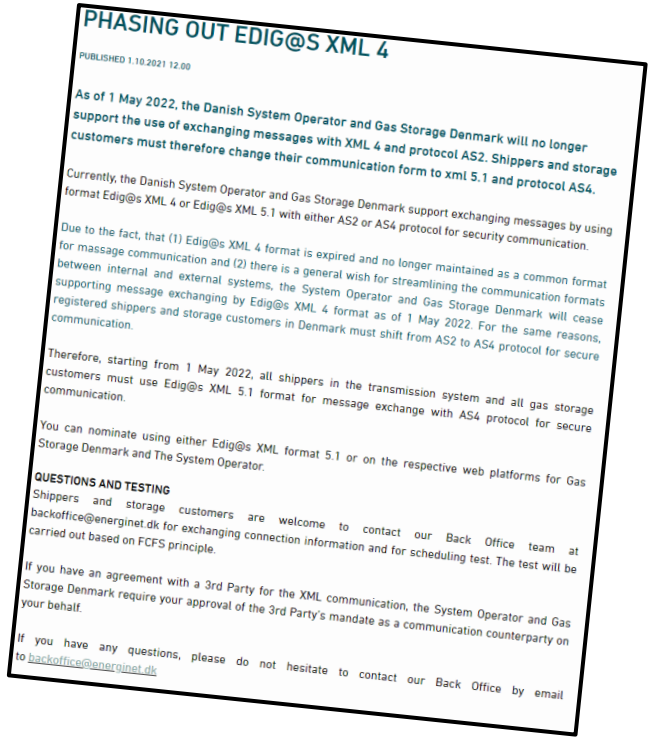
- Reflect actual costs for Energinet for handling off-spec gas - in line with NC TAR on non-transmission services
- Expected from 1 October 2022

# CHANGE FROM EDIG@S XML 4.0 TO XML 5.1

From 1 May 2022 shippers must change their communication form from XML 4.0 to XML 5.1 and use protocol AS4 as Energinet will no longer support XML 4.0

- Make sure to book time for test by contacting our Back Office team at backoffice@energinet.dk

- For further details see gas news published 1 October 2021 https://en.energinet.dk/Gas/Gas-news/2021/10/01/Phasing-out-XML-4



PHASING OUT EDIG@S XML 4

PUBLISHED 1.10.2021 12.00

**As of 1 May 2022, the Danish System Operator and Gas Storage Denmark will no longer support the use of exchanging messages with XML 4 and protocol AS2. Shippers and storage customers must therefore change their communication form to xml 5.1 and protocol AS4.**

Currently, the Danish System Operator and Gas Storage Denmark support exchanging messages by using format Edig@s XML 4 or Edig@s XML 5.1 with either AS2 or AS4 protocol for security communication.

Due to the fact, that (1) Edig@s XML 4 format is expired and no longer maintained as a common format for massage communication and (2) there is a general wish for streamlining the communication formats between internal and external systems, the System Operator and Gas Storage Denmark will cease supporting message exchanging by Edig@s XML 4 format as of 1 May 2022. For the same reasons, registered shippers and storage customers in Denmark must shift from AS2 to AS4 protocol for secure communication.

Therefore, starting from 1 May 2022, all shippers in the transmission system and all gas storage customers must use Edig@s XML 5.1 format for message exchange with AS4 protocol for secure communication.

You can nominate using either Edig@s XML format 5.1 or on the respective web platforms for Gas Storage Denmark and The System Operator.

**QUESTIONS AND TESTING**

Shippers and storage customers are welcome to contact our Back Office team at backoffice@energinet.dk for exchanging connection information and for scheduling test. The test will be carried out based on FCFS principle.

If you have an agreement with a 3rd Party for the XML communication, the System Operator and Gas Storage Denmark require your approval of the 3rd Party's mandate as a communication counterparty on your behalf.

If you have any questions, please do not hesitate to contact our Back Office by email to backoffice@energinet.dk

# NO ISSUE IN NEW GERMAN GAS QUALITY STANDARD

Update on information from Shippers' Fora in December 2020 and June 2021

Current gas quality limit for export of gas to Germany remains as today – according to final version

## Recap from Shippers' Forum December 2020

ENERGINET

### POSSIBLE CHANGE IN GAS QUALITY REQUIREMENTS INTO GERMANY

The German Association for Gas and Water (DVGW) has published a draft of an amended industry standard on the composition of fuel gases in public gas supply "*G 260 Gasbeschaffenheit*"

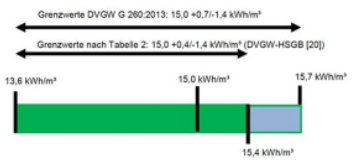
The upper limit for Wobbe index reduced from 15.7 kWh/Nm3 to 15.4 kWh/Nm3.

The upper limit in Danish gas legislation is 15.5 kWh/Nm3.

Appendix E of the consultation version of G260 states that exit points with higher Wobbe can have an exception. The formulation is quite vague.

Energinet have decided to send an answer to consultation in order to maintain and preserve the current gas quality specification for south bound flow.

The standard is in public consultation until the 15th of December.



# QUESTIONS

Contact: cju@energinet.dk

# Current cases and pipeline

## The Danish Utility Regulator

**Energinet Shippers' Forum**
December 9, 2021
DUR/TERI/PELJ

# Current Cases and Pipeline

## Current Cases:

1. **Offshore tariff** complaints 2011-2020
   - Expect decisions **second half of 2022**
   - Comparison to market practice ongoing

   - **Four** new complaints received 2020-21
     - **Decision** on first complaint published September 6th

2. **Changes to balancing model methodology**
   - **Decision** (approval) published December 7th

3. **Baltic Pipe – joint market zone**
   - Integration of North Sea offshore part into the current DK/S market model
   - **Ongoing**, consultation ended October 27th

## Pipeline:

Expected **submissions** of methodology for regulatory approval:

### Tariff methodology

- New tariff methodology from October 2022
- Final consultation on Energinet's proposal ending December 14th

# Publications

## Reactions to high gas prices:

### ACER

***Assessment of Europe's high energy prices and the current wholesale electricity market design***
November 2021
(www.acer.europa.eu)

***High Energy Prices***
October 2021
(www.acer.europa.eu)

### EU Commission

***Tackling rising energy prices: a toolbox for action and support***
October 2021
(https://ec.europa.eu/commission/presscorner/detail/en/IP_21_5204)

## Hydrogen and Decarbonised Gas Market Package:

EU Commission proposals on amended third gas directive (2009/73/EC) and regulation (715/2009) expected to be published December 14th

# IMBALANCE PRICES IN EMERGENCY

Lasse Trøjborg Krogh, Energinet

# WHAT ARE THE BALANCING PRICES DURING A 'GAS CRISIS'?

General Terms and Conditions for Gas Transport § 17.2.i

**Force majeure price - a negative imbalance to Danish Exit Zone:**

- The highest day-ahead Index set at either ETF or THE during the current storage year (1 May – 30 April)

**Price for balancing gas - a negative imbalance to other points than the Danish Exit Zone (transit to Sweden/Germany):**

- Highest price of either:
  1. Highest trading price by Energinet in the yellow zone during relevant gas day, or
  2. Force majeure price + adjustment price (step 1 or 2)

Link: en.energinet.dk/Gas/Tariffs-and-Fees/Current-tariffs

**Force majeure and emergency prices**

**Force majeure price*** — The highest Day-ahead Index set at either EEX ETF or THE* during the current storage year (1 May - 30 April) *THE is valid from 1 October 2021, before the highest price reference is made towards Gaspool and NCG

In case a gas supply crisis (being either Early Warning, Alert or Emergency) is ongoing when entering a new storage year, it is still the price from the previous storage year that is valid after 1 May, until the crisis is cancelled.

**Purchase price for balancing gas**

**Adjustment step 1:**
When neutral gas price is positive: Neutral gas price minus 0.5 % of the neutral gas price
When neutral gas price is negative: Neutral gas price plus 0.5 % of the neutral gas price

**Adjustment step 2:**
Neutral gas price minus the respective percentage in the given month of the neutral gas price. If the neutral gasprice is negative, the respective percentage is added

| Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2% | 3% | 3% | 4% | 7% | 10% | 10% | 4% | 4% | 4% | 4% | 4% |

**- Marginal purchase price:** Lowest price of either 1) lowest traded price by Energinet in the yellow zone during the relevant gas day, or 2) the relevant adjustment price (step 1 or 2).

**Sales price for balancing gas**

**Adjustment step 1:**
When neutral gas price is positive: Force majeure price plus 0.5 % of the neutral gas price
When neutral gas price is negative: Force majeure price minus 0.5 % of the neutral gas price

**Adjustment step 2:**
Force majeure price plus the respective percentage in the given month of the neutral gas price. If the neutral gas price is negative, the respective percentage is subtracted

| Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2% | 3% | 3% | 4% | 7% | 10% | 10% | 4% | 4% | 4% | 4% | 4% |

**- Marginal sales price:** Higest price of either 1) highest traded price by Energinet in the yellow zone during the relevant gas day, or 2) the relevant adjustment price (step 1 or 2).

In situations of "Emergency", the percentages of adjustment step 1 and 2 can increase up to 100%.

* Payments covering deliveries in force majeure situations (including emergency)

# ADJUSTMENT STEP 1 AND 2 PRICES DURING A 'GAS CRISIS'*

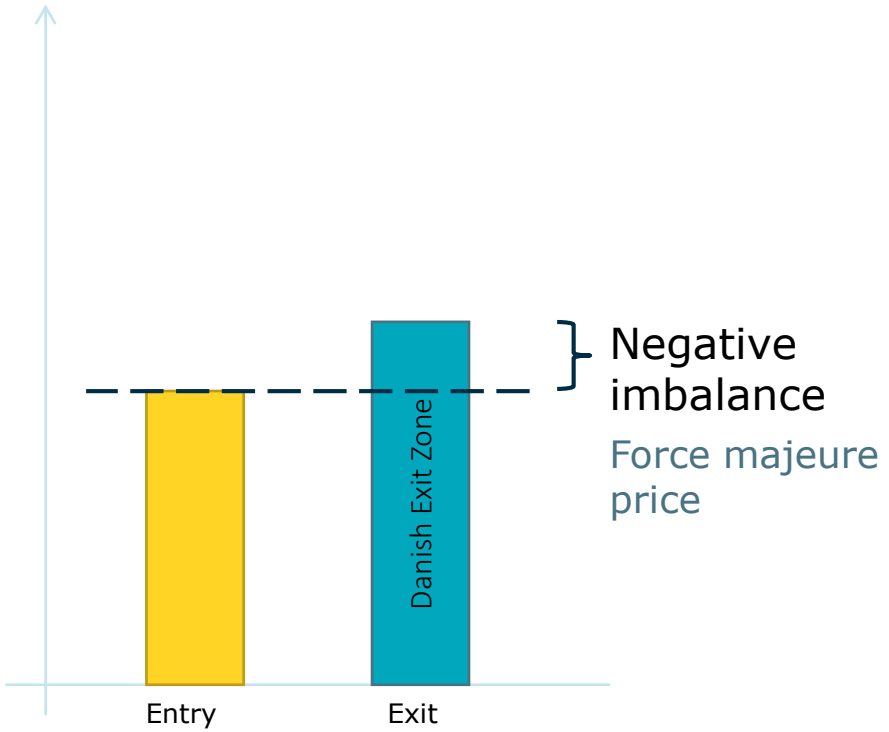
*Early Warning, Alert or Emergency

In any of the three crisis levels, Energinet may increase the adjustment percentages up to 100 per cent for both adjustment 1 and 2.

The increase can be done separately for being long or short – by only increasing one side (e.g. only for being short), or by increasing with different percentages for being long or short

# NEGATIVE IMBALANCE – 2 SCENARIOS

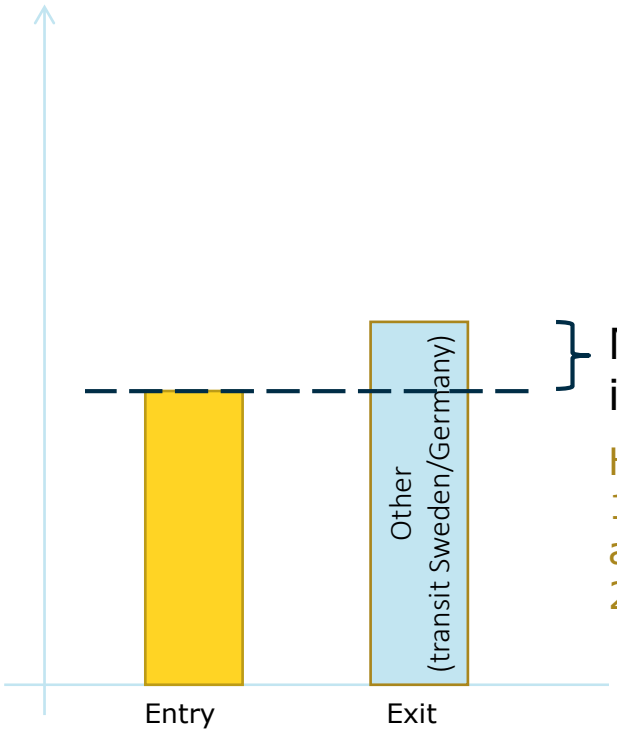
Scenario 1




Negative imbalance

Force majeure price

Scenario 2



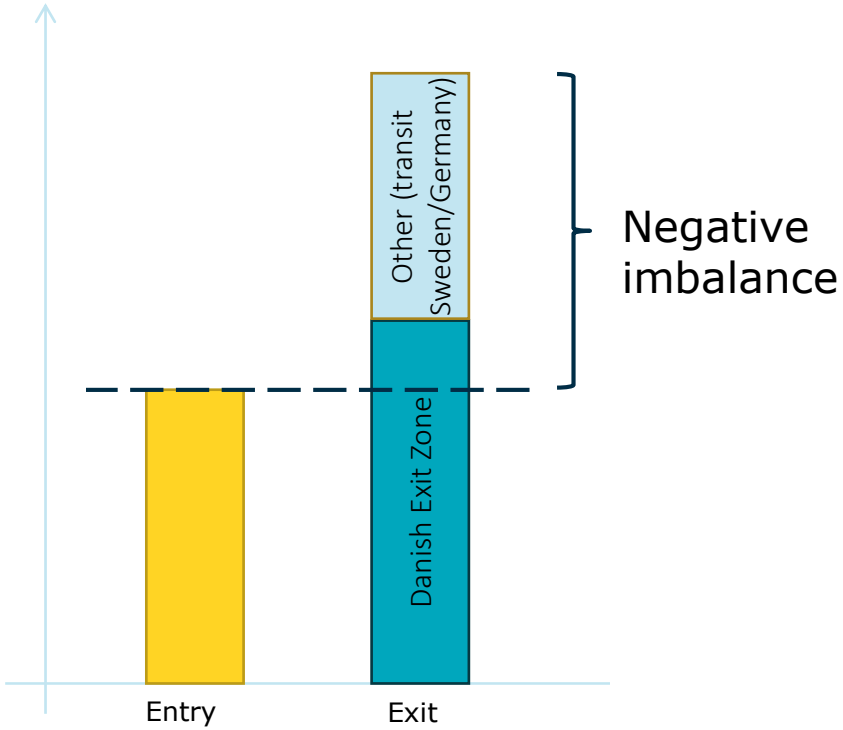

Negative imbalance

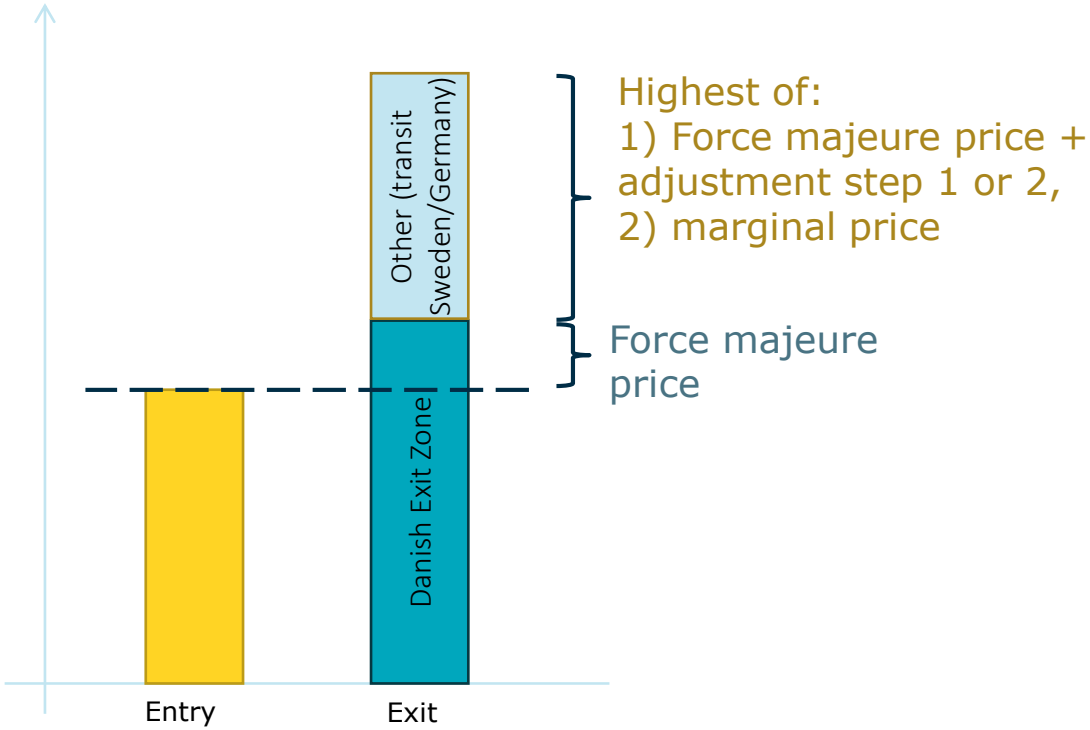
Highest of:
1) Force majeure price + adjustment step 1 or 2,
2) marginal price

Up to 100% of neutral gas price

# NEGATIVE IMBALANCE – 2 SCENARIOS

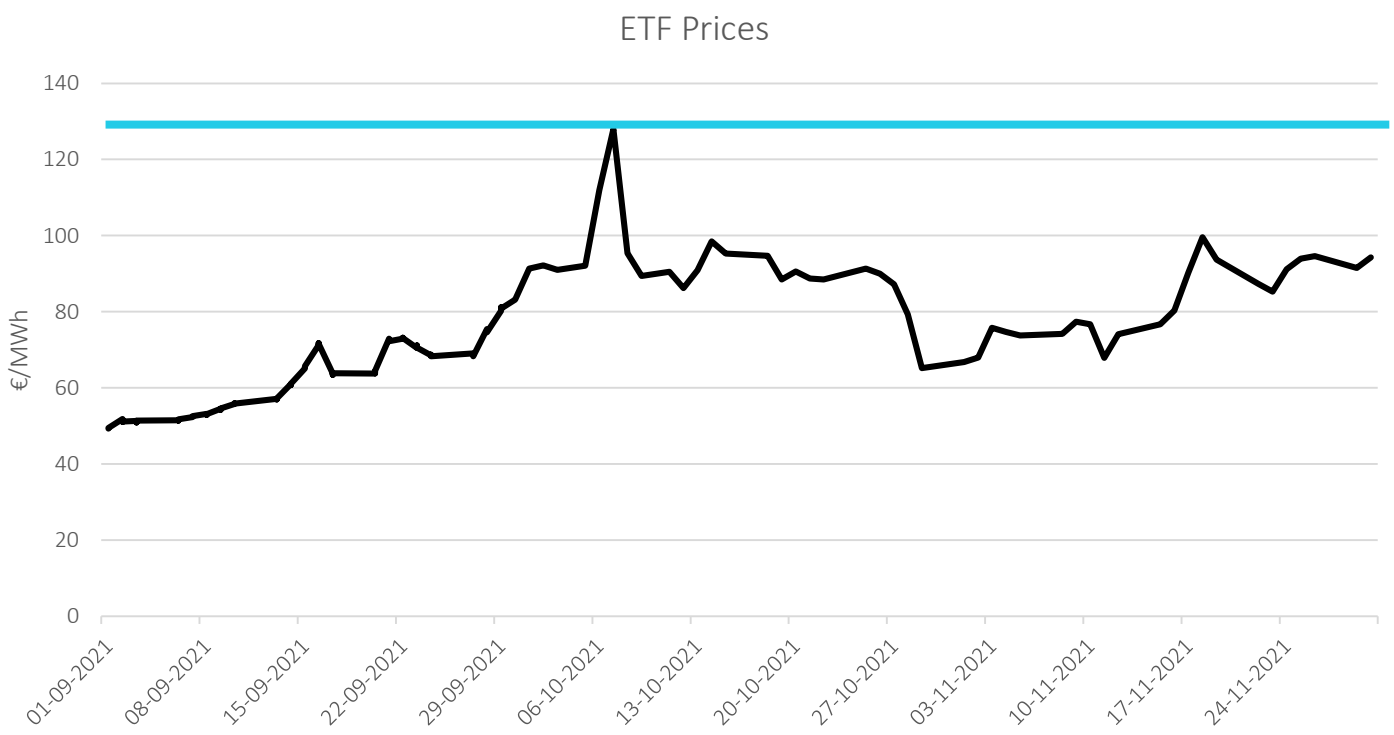
Deliveries to the Exit Zone take precedence over other deliveries.



# CURRENT FORCE MAJEURE PRICE

Illustrated example




+ adjustment step 2 (up to 100% of neutral gas price) = 96 €/MWh

Highest price in this storage year = 128 €/MWh

**Total imbalance price = up to 224 €/MWh for transit**

(with current prices)

# QUESTIONS

Contact: ltk@energinet.dk

# SUPPLY AND DEMAND

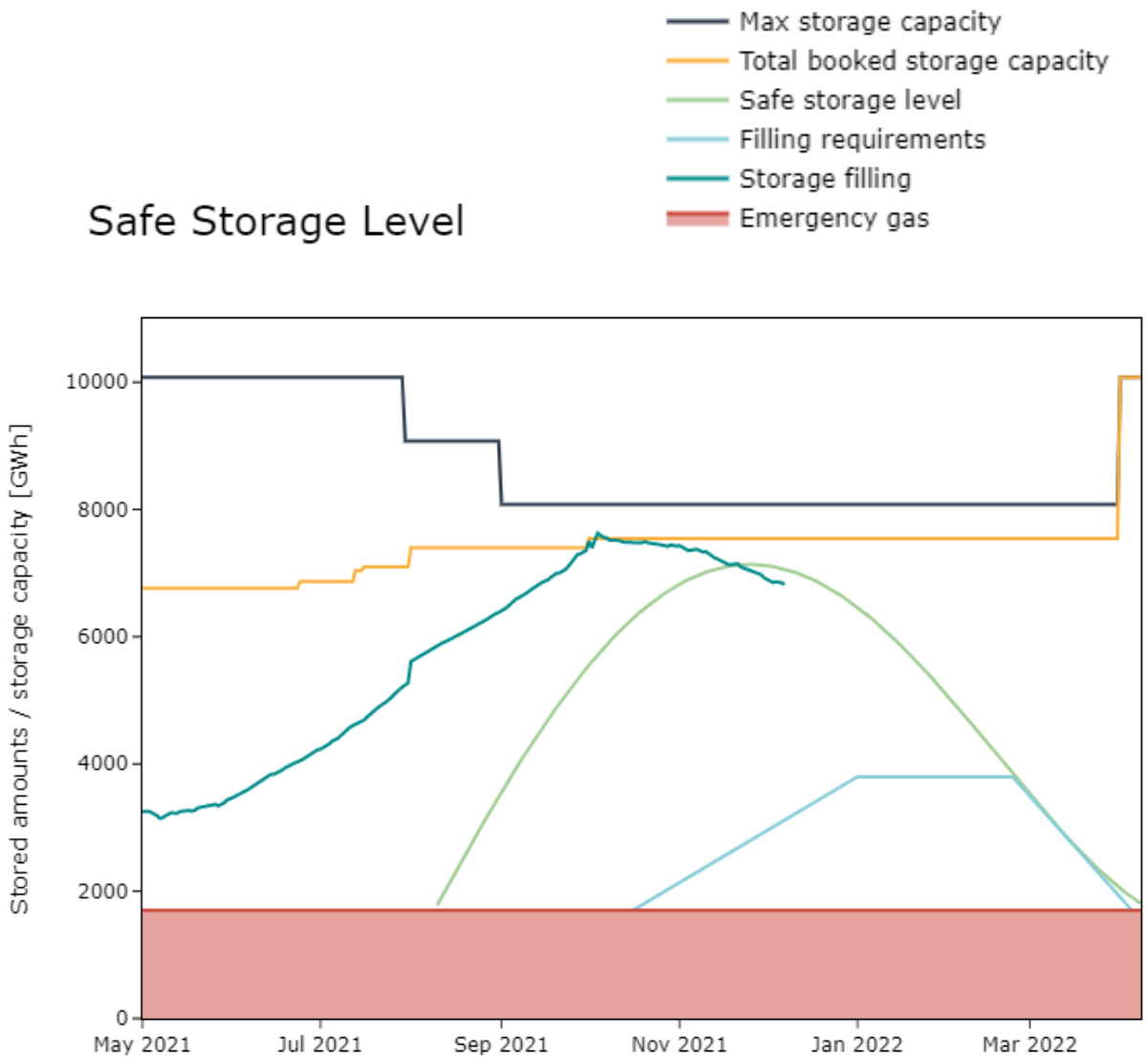
Christian Meiniche Andersen, Energinet

# SAFE STORAGE LEVEL 21/22

The safe storage level is a calculation of the minimal need for gas in the Danish gas storages facilities for the market to be able to supply Danish and Swedish consumption in case of a **cold period** in the remaining storage season.

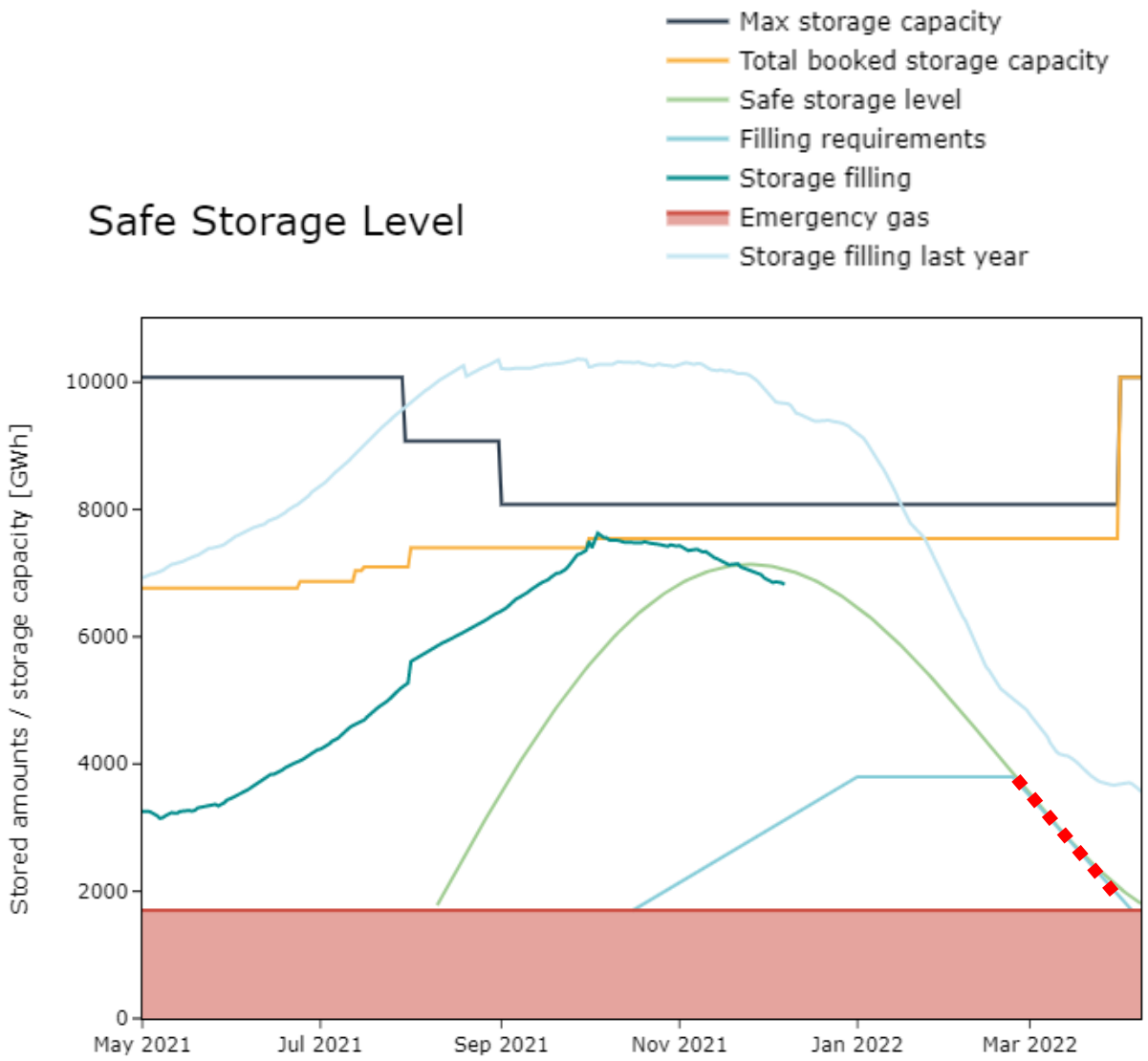
Assumptions behind calculation:

- Maximum supply via Ellund to the Danish system for the rest of the storage year.
- Biogas production increases as forecasted.
- Delivery from the South Arne pipeline remains at the present level.
- No technical incidents occurring affecting the supply.



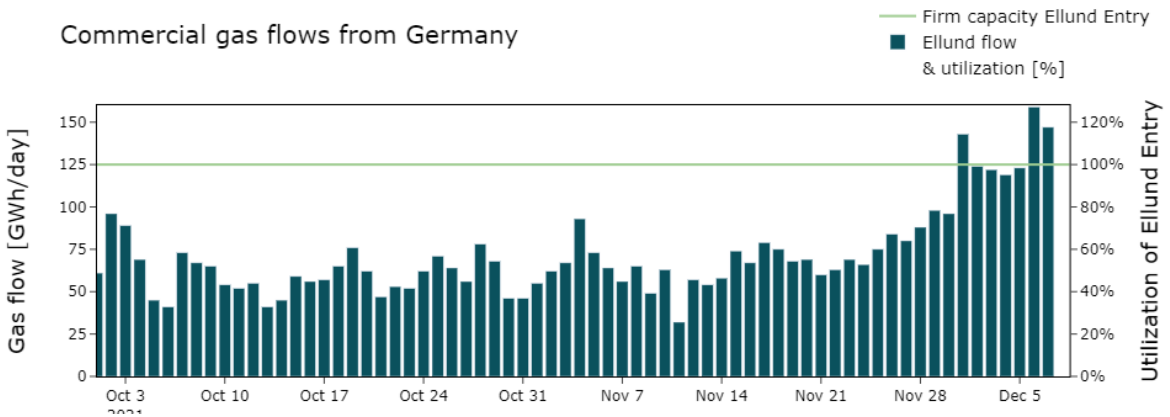
# SSL AND STORAGE FILLING 2020-2022

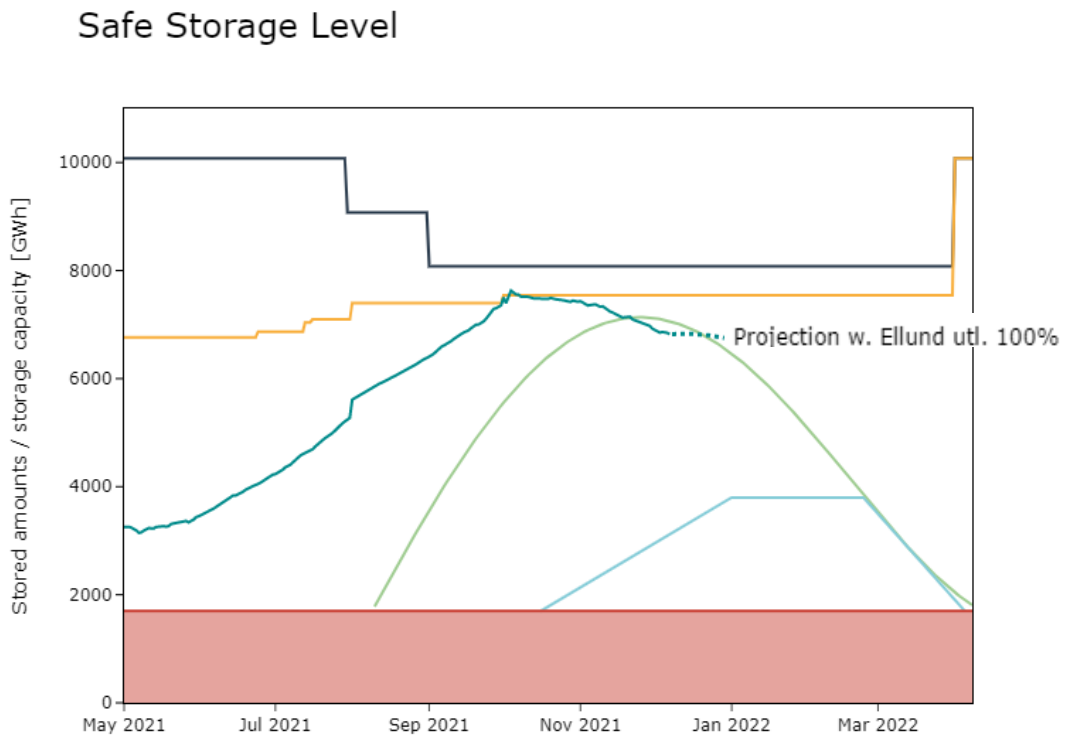
- Gas storage reservation is significant lover than in 2020/2021.
- Current low filling level leaves no room for previous years withdrawal rates in Q1 2022.
- The release of filling requirement March – April might not be adequate to balance Denmark and Sweden some days in the period.
- Filling levels following the “red dotted line” might result in the need for declaring emergency.



# COMMERCIAL GAS FLOWS FROM GERMANY

- Entry Ellund has for a period been partly utilized.
- Currently high utilization of Ellund Entry, which leaves room for maintaining storage filling level with current offtake.
- The firm capacity from Entry Ellund will increase with 13.68 GWh/day the 1st of January 2022.



# CRISIS LEVELS

ACCORDING TO THE EU REGULATION CONCERNING SECURITY OF GAS SUPPLY, THREE CRISIS LEVELS EXIST:

## EARLY WARNING

Where there is concrete, serious and reliable information that an event which is likely to result in significant deterioration of the gas supply situation may occur and is likely to lead to the alert or the emergency level being triggered.

## ALERT

Where a disruption of gas supply or exceptionally high gas demand which results in significant deterioration of the gas supply situation occurs but the market is still able to manage that disruption or demand without the need to resort to non-market-based measures.

## EMERGENCY

Where there is exceptionally high gas demand, significant disruption of gas supply or other significant deterioration of the gas supply situation and all relevant market-based measures have been implemented but the gas supply is insufficient to meet the remaining gas demand so that non-market-based measures have to be additionally introduced with a view, in particular, to safeguarding gas supplies to protected customers.

# GAS SHORTAGE AND EMERGENCY

If the shippers run short on gas in storage and the demand in Denmark and Sweden exceeds the supply from Germany, North Sea and Biogas, it will be necessary to declare Emergency in order to release Danish emergency gas for additional balancing of the system.

The Imbalance payment is:

- Denmark: Force majeure price
- Transit (if allowed – please refer to BFG 21.0 §16.3.1 ):

  Highest of:

  1) Force majeure price + adjustment step 1 or 2,

  2) marginal price

# QUESTIONS

Contact: can@energinet.dk

GAS STORAGE DENMARK

# SHIPPERS FORUM

9 DECEMBER 2021

# AGENDA

1. OVERVIEW SOLD CAPACITIES 2022+
2. NEXT STORAGE YEAR 2022
    i. INVITATION TO COMMENT ON GTCGS VER. 16.0
    ii. NEW TARIF FOR VARIABLE INJECTION
    iii. MAINTENANCE WITHOUT INTERRUPTIONS
3. REMAINDER IN CASE OF TRANSFERS IN STORAGE

# STATUS 2022+

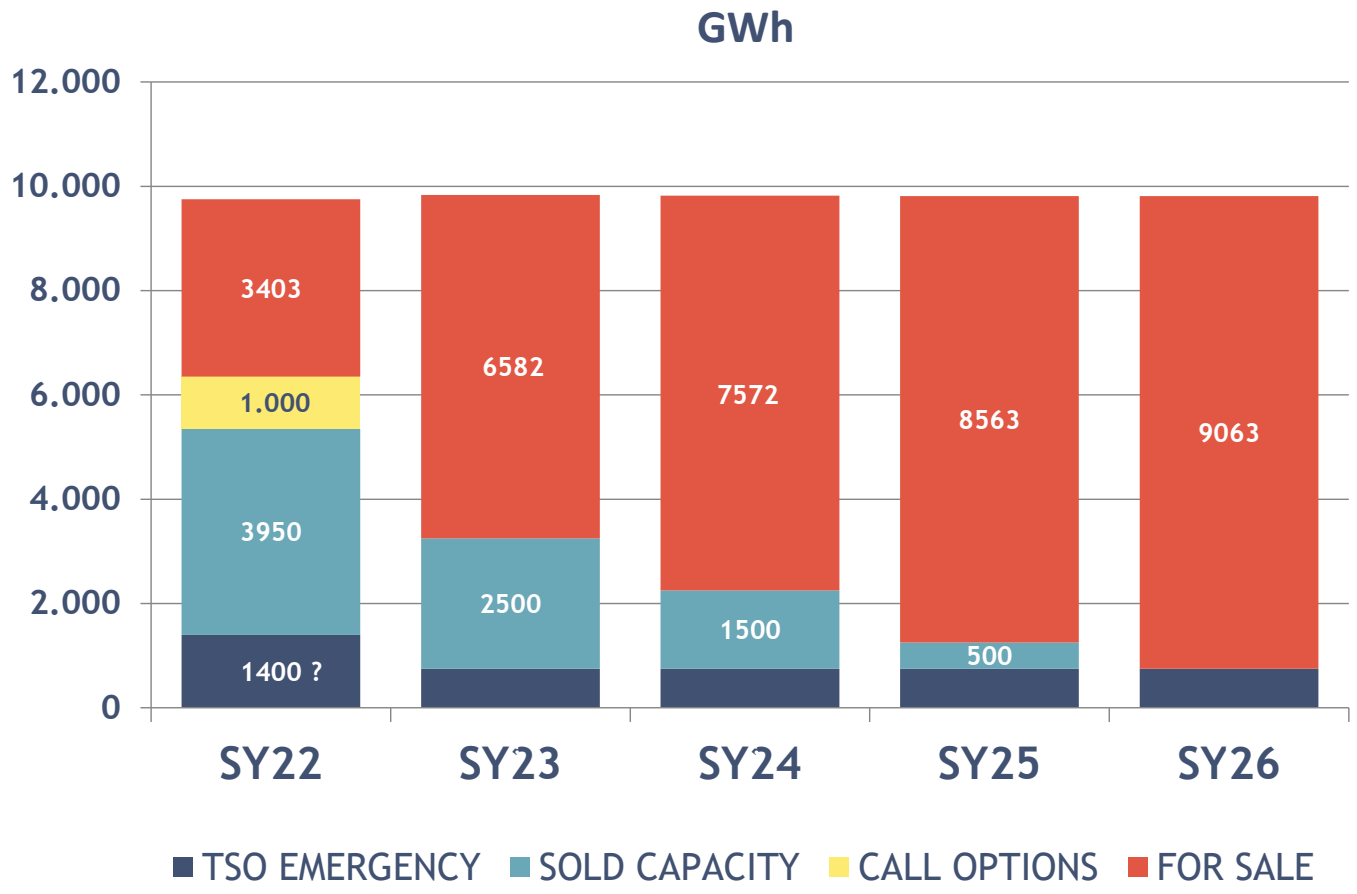
- 3403 GWh available for sale in 2022

**Pricing examples:**

- 120/60: **4.0** €/MWh/year
- 170/85: **3.5** €/MWh/year
- 170/170: **3.0** €/MWh/year

**Additional flex:**

- Injection: **750** €/MW/year
- Withdrawal: **2,100** €/MW/year



# TERMS AND CONDITIONS GAS STORAGE VERSION 16.0


YOU ARE INVITED TO PROVIDE YOUR WRITTEN COMMENTS BY 20 DECEMBER 2021

https://gasstorage.dk/News/2021/11/30/Market-consultation-GTCGS-16

- changed name RGS >> GTCGS
- changed name Energinet Gas TSO >> Energinet System Operator or simply the System Operator
- shift the start of the Storage Year from 1st May to 1st April
- phase out the EDIg@s XML 4 format and the AS2 protocol for security communication per 1st May 2022
- integrate the Amendment sheet to RGS version 15 published on 6th October 2021 into the GTCGS
- all operational guidelines have been removed from GTCGS and collected in Appendix 7, Operations Manual
- phase out of section 14, Compensation Scheme
- update of the definition list
- overall language improvements

# NEW TARIFF FOR VARIABLE INJECTION 2022

Starting per 1 APRIL 2022
the VARRIABLE INJECTION TARIFF will change from 0.3 to 0.36 €/MWh

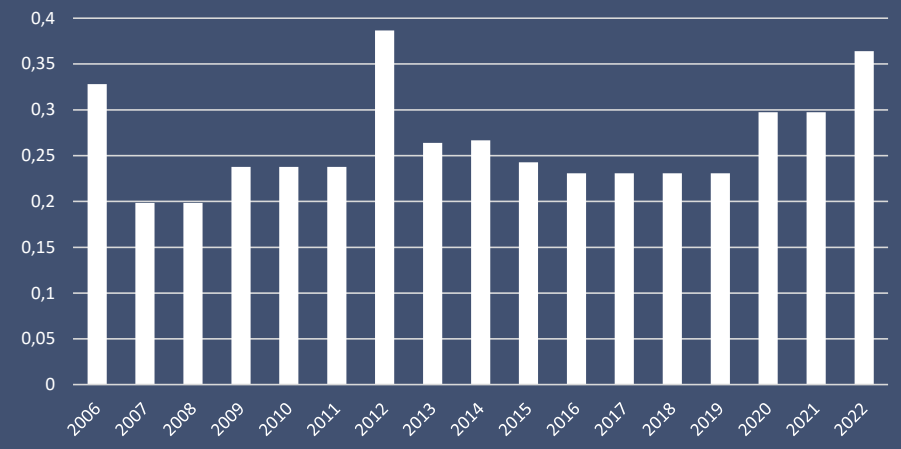
## PRICE DRIVES

- THE FACILITIES USE

  POWER FOR INJECTION
  GAS FOR WITHDRAWAL

- RISING POWER AND GAS PRICE

## HISTORICAL OVERVIEW



# MAINTENANCE 2022

- ❑ THE MAINTENANCE PLAN FOR SY22 WILL INVOLVE ACTIVITIES PERFORMED ON THE TWO STORAGE SITES ON SHIFT
- ❑ THERE WILL BE NO RESTRICTIONS OF BOOKED FIRM CAPACITY DUE TO MAINTENANCE

# TRANSFER IN STORAGE

## ONLY MANUAL PROCEDURE AVAILABLE

PLEASE MIND THE DEADLINE
AT 13:00 ON THE LAST BANK DAY BEFORE EFFECT START OF THE TRANSFER

- ❑ THE RECEIVING AND THE TRANSFERRING CUSTOMERS → REQUESTS BY MAIL TO CONTACT@GASSTORAGE.DK
- ❑ GSD PERFORMS MANUALY CHECKS:
  - MATCHING REQUESTS
  - AVAILABLE SPACE
  - AVAILABLE GAS-IN-STORAGE OR CAPACITY
  - ANY FILLING REQUIREMENTS
- ❑ GSD CONFIRMS THE TRANSFER TO EACH PARTY

# QUESTIONS?

## CONTACT


Iliana Nygaard

iny@gasstorage.dk

+45 61 24 34 03

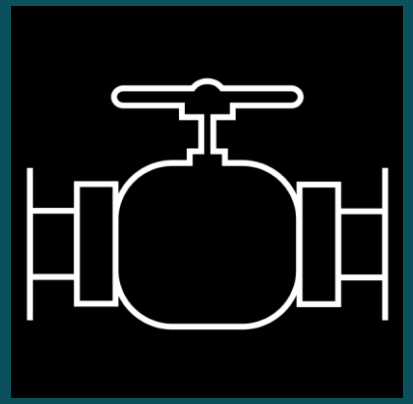


Mads Vejlby Boesen

mvb@gasstorage.dk

+45 30 67 47 27

# BREAK



# BALTIC PIPE

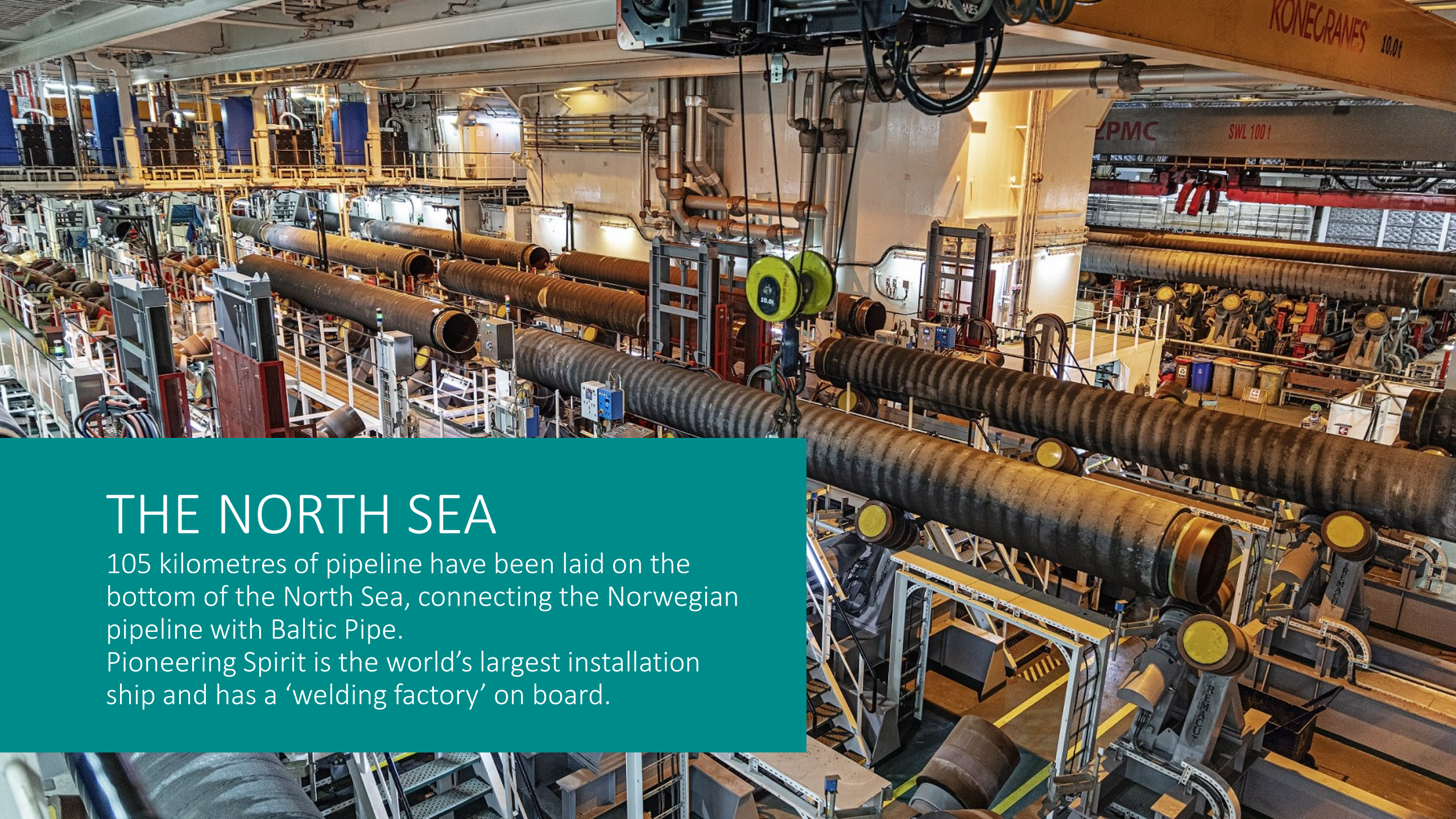
Energinet

# WORK RESUMES ON PARTS OF BALTIC PIPE PROJECT

On 31 May 2021, The Danish Environmental and Food Appeals Board repealed the environmental permit for the Baltic Pipe Project.

Energinet then enacted a temporary shutdown of construction.

Shortly after, The Danish Environmental Protection Agency stated that it has no objections to Energinet resuming construction on parts of the project.




# THE NORTH SEA

105 kilometres of pipeline have been laid on the bottom of the North Sea, connecting the Norwegian pipeline with Baltic Pipe.
Pioneering Spirit is the world's largest installation ship and has a 'welding factory' on board.

# WORK PROGRESSING ACROSS DENMARK

Pipe laying is completed on Zealand, 70 kilometres in total.

Work is also progressing on Eastern Funen.

In Western Jutland we have completed pipe laying from Houstrup Beach to the receiving terminal in Nybro.

40 kilometres in Jutland and 40 kilometres on Funen remain to be laid in 2022, awaiting the new environmental permit.


# COMPRESSOR STATION

The three compressors have been successfully installed on the new compressor station, located on Southern Zealand.

# FINAL CONSULTATION

Covers and describe the four proposed adjustments of the method application:

1. **Capacity-/commodity** split change from 70%/30% to 100%/0%
2. Discount for long-term capacity bookings (**Long-term multiplier**) of 5-10 %
3. Change of the collection periode **from gas year to calendar year**
4. Inclusion of upstream as **a non-transmission tariff**

# FINAL CONSULTATION

The final consultation on the proposed adjustments of the tariff methodology ends on the 14 December 2021.

Please remember to sent your responses to gastariff@energinet.dk

If you have any questions please contact Nina Synnest Sinvani directly at +45 2333 8902/nsy@energinet.dk

# CURRENT METHODOLOGY (TAR NC ART. 30.2.B)

- Updated regularly
  - Costbase, capacity and flows
- Enabling network users to calculate the transmission tariffs applicable for the prevailing tariff period and to estimate their possible evolution beyond such tariff period

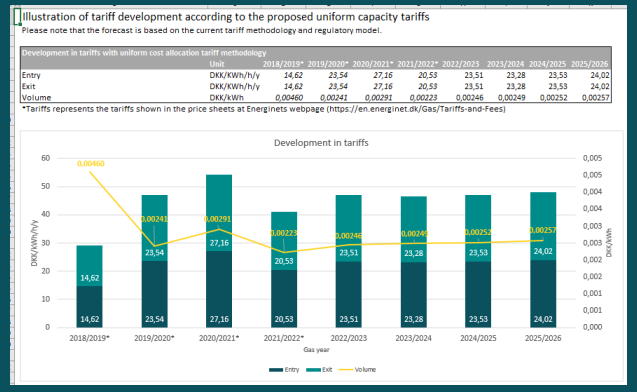


Illustration of tariff development according to the proposed uniform capacity tariffs

Please note that the forecast is based on the current tariff methodology and regulatory model.

| Development in tariffs with uniform cost allocation tariff methodology | Unit | 2018/2019* | 2019/2020* | 2020/2021* | 2021/2022* | 2022/2023 | 2023/2024 | 2024/2025 | 2025/2026 |
|---|---|---|---|---|---|---|---|---|---|
| Entry | DKK/KWh/h/y | 14,62 | 23,54 | 27,16 | 20,53 | 23,51 | 23,28 | 23,53 | 24,02 |
| Exit | DKK/KWh/h/y | 14,62 | 23,54 | 27,16 | 20,53 | 23,51 | 23,28 | 23,53 | 24,02 |
| Volume | DKK/kWh | 0,00460 | 0,00241 | 0,00291 | 0,00223 | 0,00246 | 0,00249 | 0,00252 | 0,00257 |

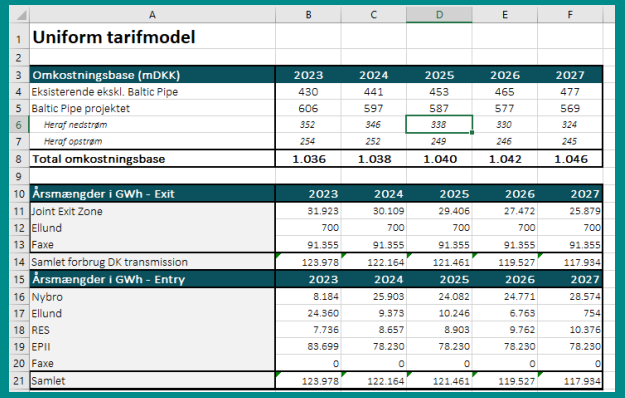
*Tariffs represents the tariffs shown in the price sheets at Energinets webpage (https://en.energinet.dk/Gas/Tariffs-and-Fees)



Link to the model

# FUTURE METHODOLOGY (TAR NC ART. 26.1.D)

- Published in connection with final consultation
- Based on best estimates of cost and capacities
- Enabling network users to estimate the transmission tariffs based on the proposed methodology



| | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| 1 | **Uniform tarifmodel** | | | | | |
| 2 | | | | | | |
| 3 | **Omkostningsbase (mDKK)** | **2023** | **2024** | **2025** | **2026** | **2027** |
| 4 | Eksisterende ekskl. Baltic Pipe | 430 | 441 | 453 | 465 | 477 |
| 5 | Baltic Pipe projektet | 606 | 597 | 587 | 577 | 569 |
| 6 | *Heraf nedstrøm* | *352* | *346* | *338* | *330* | *324* |
| 7 | *Heraf opstrøm* | *254* | *252* | *249* | *246* | *245* |
| 8 | **Total omkostningsbase** | **1.036** | **1.038** | **1.040** | **1.042** | **1.046** |
| 9 | | | | | | |
| 10 | **Årsmængder i GWh - Exit** | **2023** | **2024** | **2025** | **2026** | **2027** |
| 11 | Joint Exit Zone | 31.923 | 30.109 | 29.406 | 27.472 | 25.879 |
| 12 | Ellund | 700 | 700 | 700 | 700 | 700 |
| 13 | Faxe | 91.355 | 91.355 | 91.355 | 91.355 | 91.355 |
| 14 | Samlet forbrug DK transmission | 123.978 | 122.164 | 121.461 | 119.527 | 117.934 |
| 15 | **Årsmængder i GWh - Entry** | **2023** | **2024** | **2025** | **2026** | **2027** |
| 16 | Nybro | 8.184 | 25.903 | 24.082 | 24.771 | 28.574 |
| 17 | Ellund | 24.360 | 9.373 | 10.246 | 6.763 | 754 |
| 18 | RES | 7.736 | 8.657 | 8.903 | 9.762 | 10.376 |
| 19 | EPII | 83.699 | 78.230 | 78.230 | 78.230 | 78.230 |
| 20 | Faxe | 0 | 0 | 0 | 0 | 0 |
| 21 | Samlet | 123.978 | 122.164 | 121.461 | 119.527 | 117.934 |

Link to the model

# THE TARIFF FORECAST INCLUDES 2021 COST UPDATE

As per Shippers Forum 17th of September 2020 and press releases 2nd of July and 4th of October 2021, Energinet expects tariffs to reflect a CAPEX increase driven mainly by the EIA revoke, project complexity and a heated construction market

**PRESS-RELEASE JULY and OCTOBER 2021**:

- By end-May 2021 the Danish Environmental & Foodstuff Appeals Board* concluded **the revoke of the Danish Environmental Protection Agency's approval of the Baltic Pipe Environmental Impact Assessment** in 2019. The resulting part-suspension of onshore construction works is expected to increase CAPEX.
- There is **still significant uncertainty** regarding the impact of the revoke on CAPEX. This is partly due to ongoing negotiations with suppliers regarding updated schedules and related costs.
- Further, **project complexity** has driven up CAPEX; e.g. integration works on the existing Nybro gas terminal.

**SHIPPERS FORUM SEPTEMBER 2020**:

- By September 2020, the major Baltic Pipe **tenders were completed in a heated marked** and resulted in increased construction costs and thus a budget increase.

** Miljø & Fødevareklagenævnet*

# QUESTIONS

Contact: jda@energinet.dk

# PUBLICATION OF REGULATORY APPROVAL

## The Danish Utility Regulator and the Swedish Energy Markets Inspectorate have approved the methodology (DK) and the updated Balancing Agreement (SE)

Forsyningstilsynet

6. december 2021
21/01173
SELS/JASC/FNDA/PELJ

**Godkendelse af metodeændring til balancemodellen på gasområdet**

**RESUMÉ**

Denne sag omhandler Forsyningstilsynets godkendelse af en anmeldelse fra Energinet vedrørende en ændring af den eksisterende balancemodel. Baggrunden for anmeldelsen er at sikre den danske systemintegritet som følge af Baltic Pipe, og de markant forøgede mængder gas denne vil medføre i det danske transmissionsnet. Ved godkendelse implementeres intradag-forpligtelser, den understøttende datamodel, smoothing og No Punishment Principle, herunder to nye virtuelle allokeringspunkter, Smoothing Allocation Point og Causer Allocation Point fra og med den 1. oktober 2022, hvor Baltic Pipe forventes idriftsat.

Forsyningstilsynet godkender med denne afgørelse Energinets anmeldelse om ændring af balanceringsmodellen efter i første række netregel for balancering af gastransmissionsnet, NC BAL.

Den dansk-svenske balancemodel, Joint Balancing Zone, er i dag et dagsbalanceregime, hvor ubalancer i løbet af dagen accepteres, og kun akkumulerede ubalancer ved gasdøgnets afslutning straffes. Idriftsættelsen af Baltic Pipe vil medføre transit af op til fem gange det danske forbrug. I systemer med store transitkapaciteter kan ubalancer i transitmængder i løbet af gasdøgnet bringe systemerne uden for de fysiske tolerance-

Link:
https://forsyningstilsynet.dk/aktuelt/nyheder/forsyningstilsynet-godkender-aendrede-dansk-svenske-gasregler-til-sikring-af-systembalancen-efter-baltic-pipe

Energimarknadsinspektionen
Swedish Energy Markets Inspectorate

**BESLUT**
Datum
2021-12-03

Nordion Energi AB
Swedegas
Box 362
SE-201 23 Malmö

2021-12-0

2021-102371-0005

**Prövning av reviderade villkor i balansansvarsavtal för gas**

**Beslut**

1. Energimarknadsinspektionen (Ei) godkänner avtalsvillkoren i Swedegas AB (Swedegas) balansansvarsavtal 2022-0 för gas (bilaga).
2. Beslutet gäller omedelbart.

**Beskrivning av ärendet**

Sedan april 2019 har det funnits en gemensam balanseringszon för det västsvenska gasnätet och Danmark, Joint Balancing Zone (JBZ). Den nuvarande modellen bygger på att balansering sker dygnsvis utan begränsningar under gasdygnet, som sträcker sig mellan klockan 06.00 – 06.00 nästföljande dag.

Den 1 oktober 2022 beräknas den svensk-danska gasmarknaden integreras med Baltic Pipe. I samband med detta kommer nuvarande balanseringsmodell för gas att revideras för att kunna hantera en ökad mängd gas i systemet, vilket har påverkan både på volym och flexibilitet. Den största förändringen i balanseringsmodellen innebär balansavstämningar varje timme under gasdygnet. Revideringarna i balanseringsmodellen medför ändringar också i balansansvarsavtalet, därför har ett nytt avtal tagits fram gemensamt av Swedegas och den danska systemansvariga, Energinet Gas TSO A/S.

Link:
https://ei.se/om-oss/nyheter/2021/2021-12-06-ei-godkanner-foreslagna-andringar-i-balansansvarsavtal-for-den-svensk-danska-gasmarknaden

# NEW BALANCING MODEL 2022

## SUMMARY OF USER GROUP ON 28 OCTOBER 2021

### DATA QUALITY

Overall framework in place.

- Regional split
- Falling deviation during day

Evida will test setup in begining of 2022

### SMOOTHING

Overall framework in place.

- Individual shipper $S^{max}$
- Shipper will calculate own smoothing

Process of daily communication is to be specified.

### GREEN ZONE

The Green Zone will be symmetric

### FALL BACK DATA

Energinet fall back procedure will use 7 days old data

# UPDATED NOMINATION GUIDE 1 MARCH 2022

Energinet will publish an updated version of the nomination guide with the exact files format to adjust to the balancing model from October 2022.

All new messages will be communicated via Edig@s XML 5.1

## ACCUMULATED SYSTEM BALANCE (ASB)

FROM 7:10 TO 6:10

- A file with one quantity (positive or negative)

## INDIVIDUAL ACCUMULATED SHIPPER BALANCE (IASB)

FROM 7:40 TO 6:40

- A file with one quantity (positive or negaive)
- One extra file with allocation data on Joint Exit Zone (DMS, NDMS)

## CAUSER ALLOCATION POINT (CAP)

FROM 7:40 TO 6:40

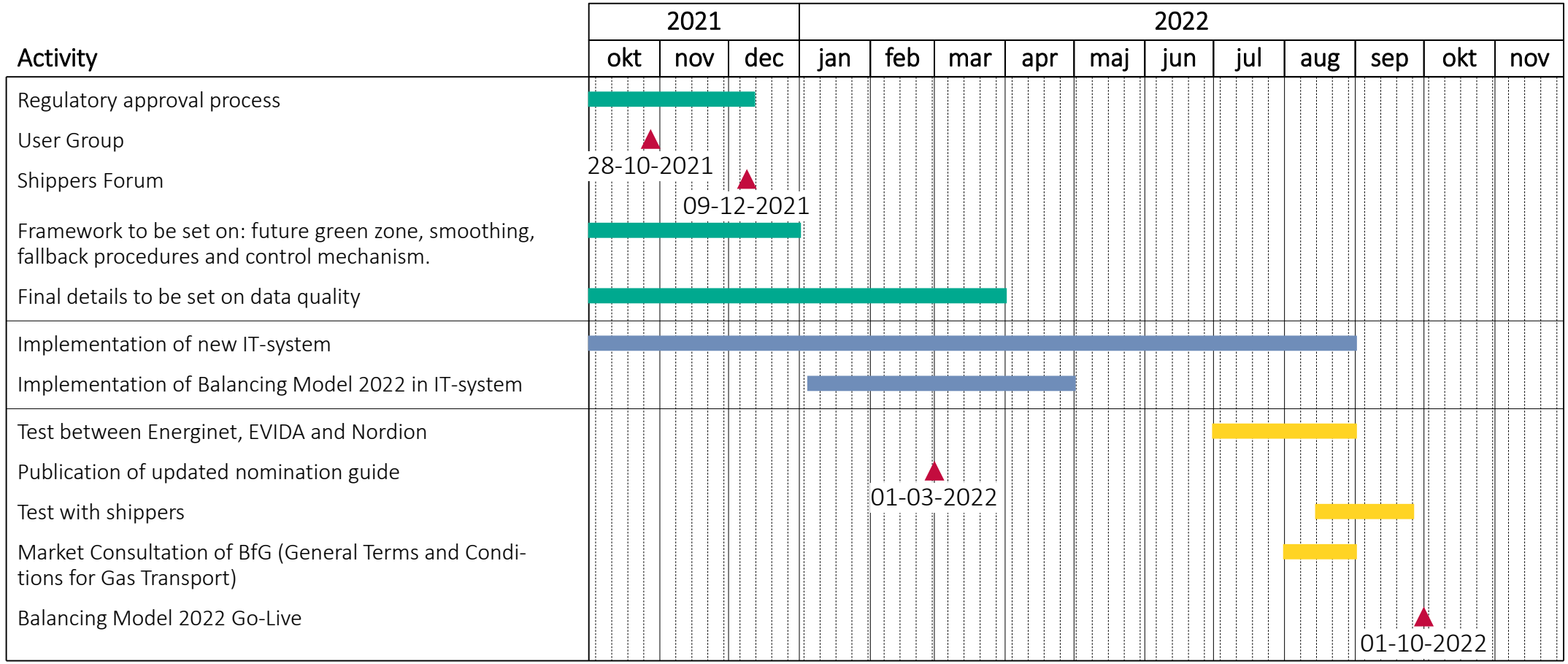
- A file with one quantity (positive or negative)
- Will only be sent to shippers who are allocated at CAP in the specific hour

## SMOOTHING ALLOCATION POINT, FAXE AND NORTH SEA ENTRY

- 3 new points in the market model to which nominations must be sent
- Smoothing allocation point is only relevant for shippers with offtake to the Joint Exit Zone

# TIME LINE FOR THE BALANCING MODEL 2022

## With the regulatory approvals an important milestone in the project plan is reached

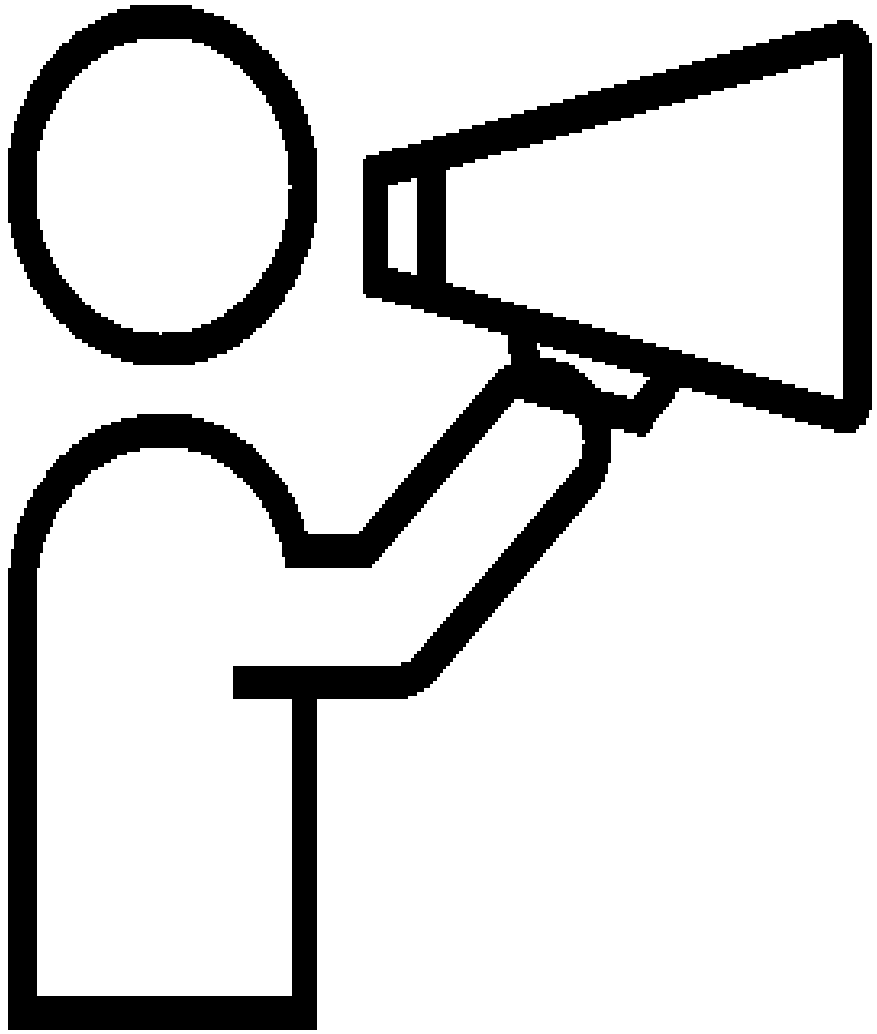


# COMMUNICATION OF PROGRESS

Energinet will keep you frequently updated on the implementation progress of the balancing model

- Via Shippers Forum
- Via Gas news
- If needed a user group will be held in 2022
- Via webpage for balancing: https://en.energinet.dk/Gas/Shippers/Gas-balancing-model

In case of any delays, Energinet will inform you as soon as possible, including the consequences and way forward



# STATUS ON CAPACITY PLATFORM AT FAXE

- Energinet and Gaz-System are in dialogue
- Rotation of platform (PRISMA/GSA) is expected to be every 3rd. year
- Decision is expected to be taken early next year 2022 about which platform to start with

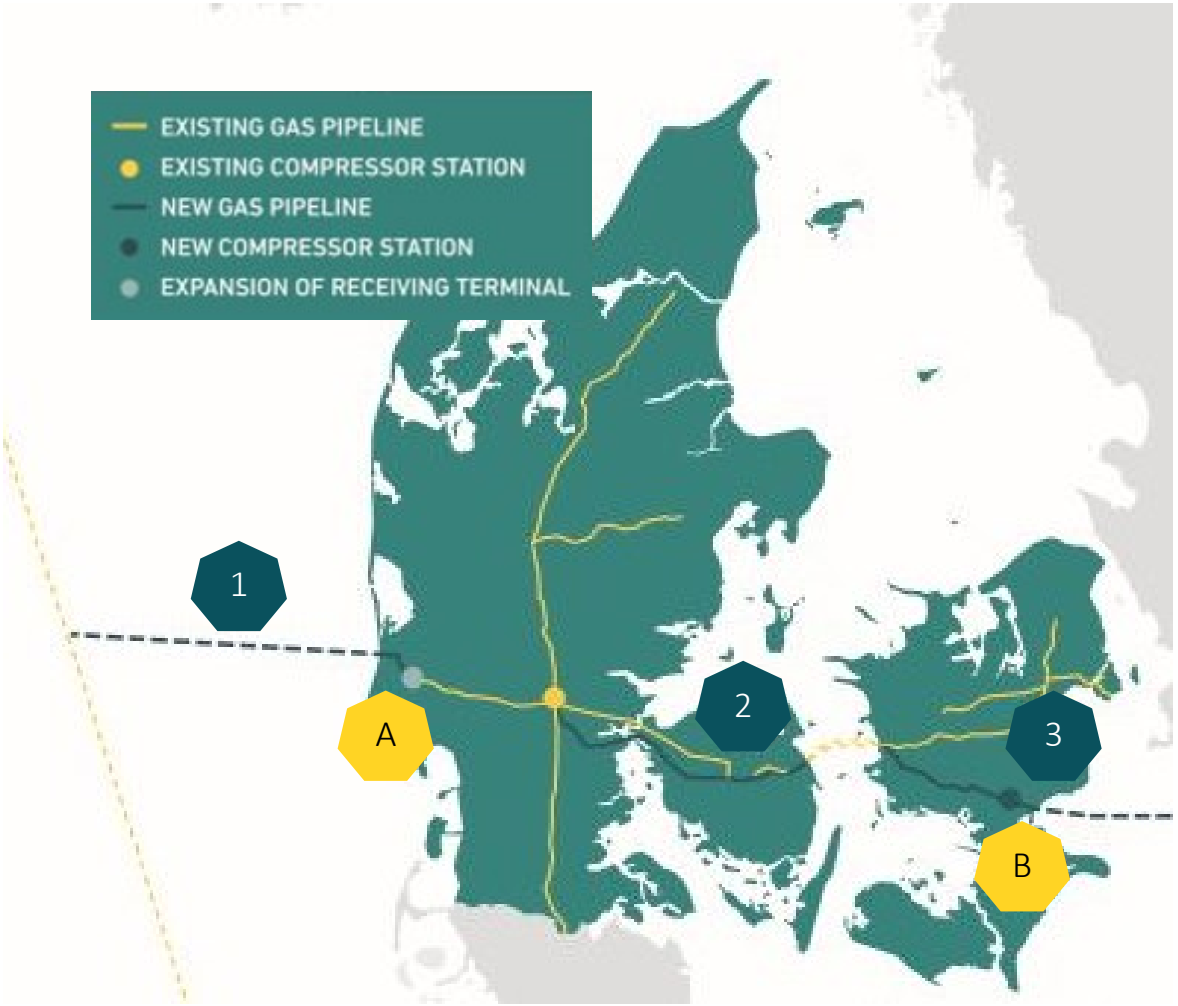
# QUESTIONS

Contact: slr@energinet.dk or jlo@energinet.dk

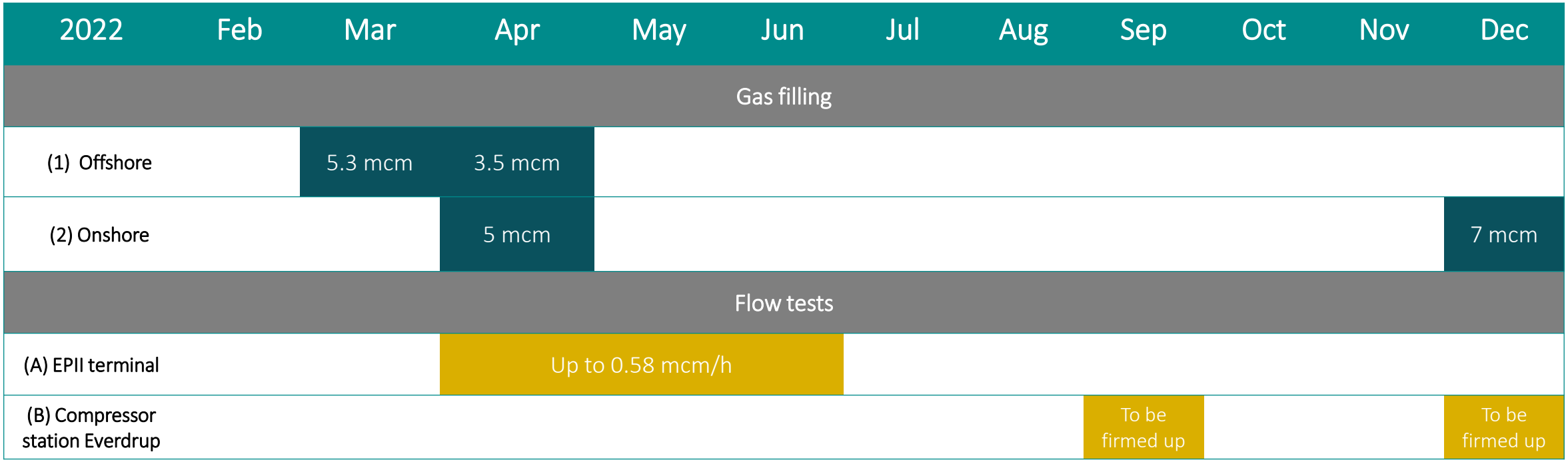
# UPDATE ON GAS FILLING AND FLOW TESTS OF BALTIC PIPE

- Gas filling of pipelines
  1. Danish offshore
  2. Onshore
  3. Interconnector

- Flow tests
  A. EPII terminal Nybro
  B. Compressor station Everdrup



# EXPECTED TIMELINE AND VOLUMES



# Gas filling of pipelines

## Offshore

- For the first part of filling (March); a storage product from GSD will be used
  - ➢ Tender to buy gas to be announced soon
- For the second part (April); gas from Norwegian market will be used
  - ➢ Tender to buy gas to be announced soon

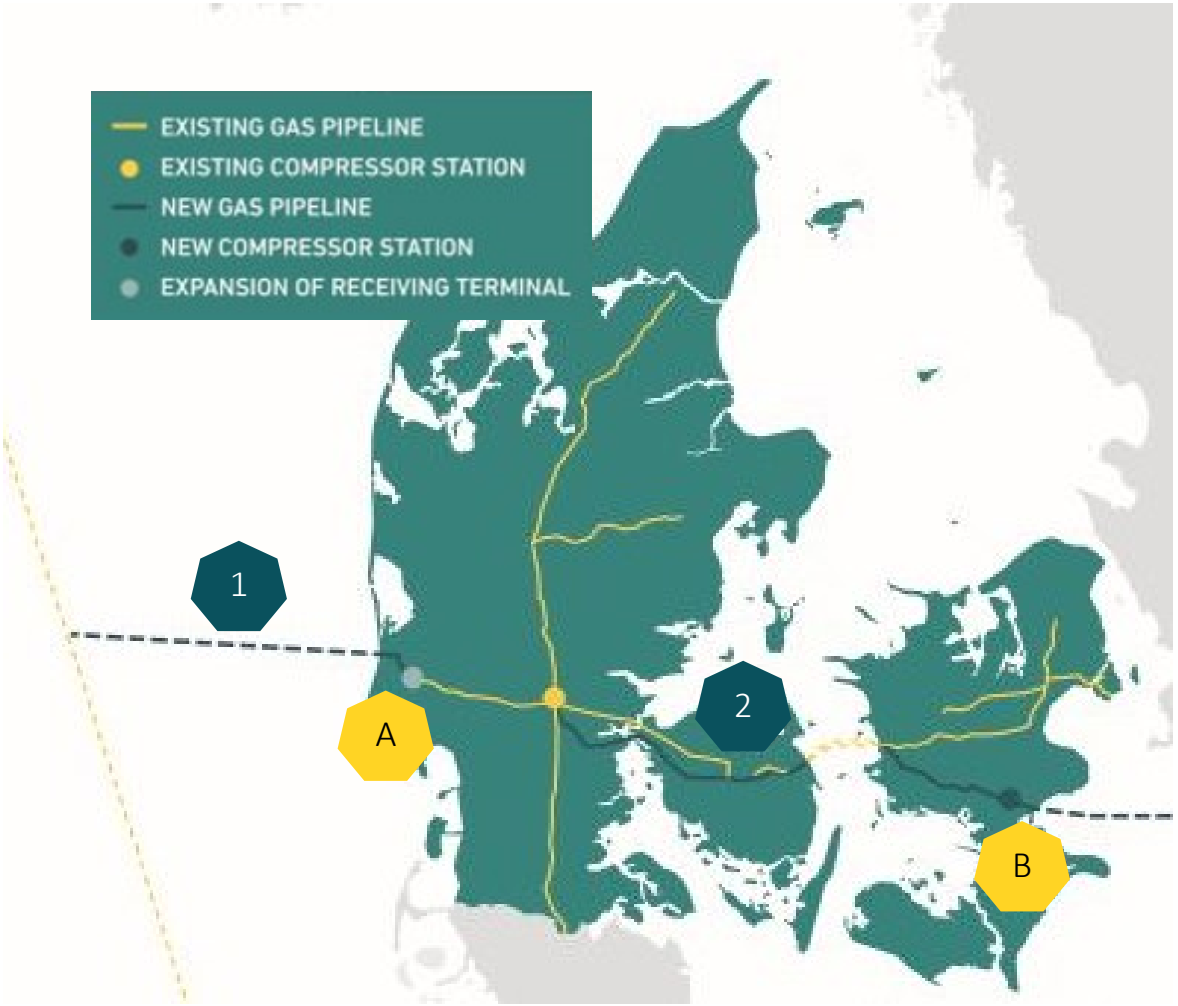
## Onshore

- Gas to be sourced from Danish market (ETF or GTF)

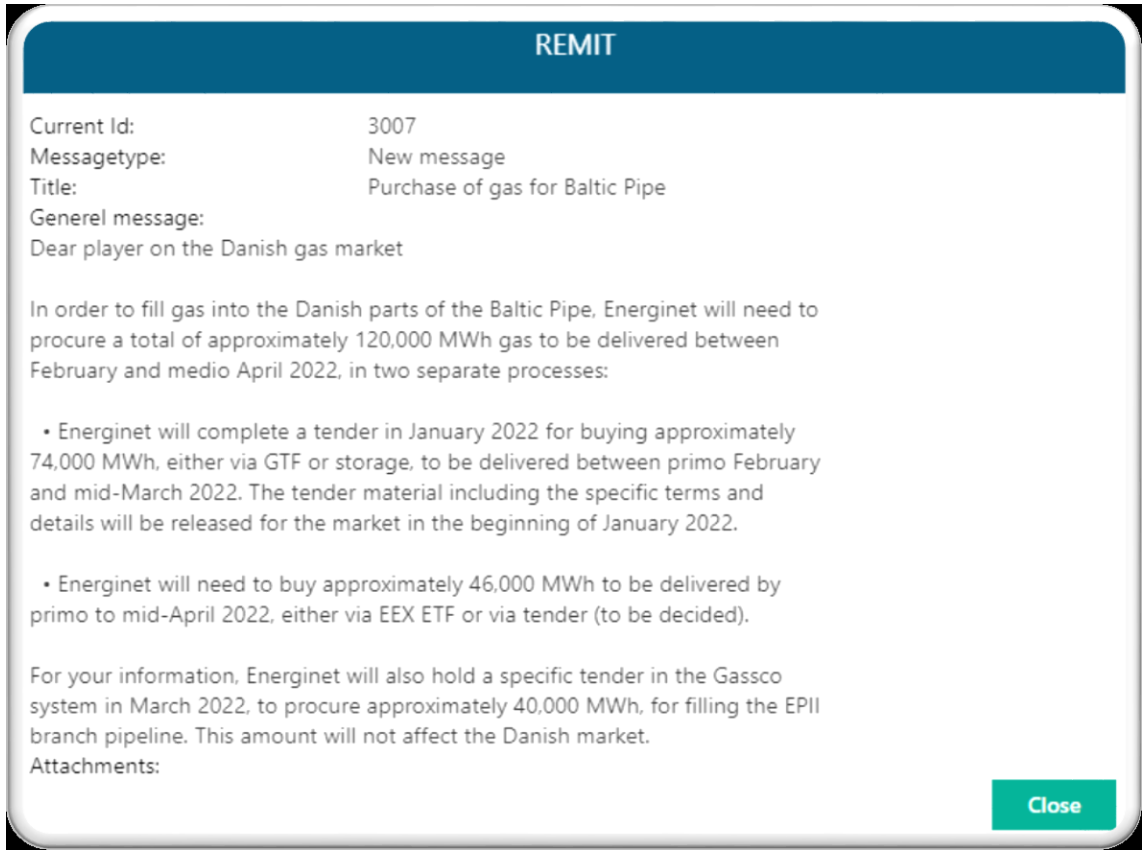
# Flow tests

A. From Norway → Denmark
   - ➢ TSO-SWAP is being preferred

B. From Norway → Denmark → Poland
   - ➢ Will be done with commercial flows



# GAS MARKET MESSAGE PUBLISHED 7. DEC



REMIT

Current Id: 3007
Messagetype: New message
Title: Purchase of gas for Baltic Pipe
Generel message:
Dear player on the Danish gas market

In order to fill gas into the Danish parts of the Baltic Pipe, Energinet will need to procure a total of approximately 120,000 MWh gas to be delivered between February and medio April 2022, in two separate processes:

• Energinet will complete a tender in January 2022 for buying approximately 74,000 MWh, either via GTF or storage, to be delivered between primo February and mid-March 2022. The tender material including the specific terms and details will be released for the market in the beginning of January 2022.

• Energinet will need to buy approximately 46,000 MWh to be delivered by primo to mid-April 2022, either via EEX ETF or via tender (to be decided).

For your information, Energinet will also hold a specific tender in the Gassco system in March 2022, to procure approximately 40,000 MWh, for filling the EPII branch pipeline. This amount will not affect the Danish market.
Attachments:

Close

https://gasmarketmessage.dk/SitePages/WelcomePublic.aspx

# QUESTIONS

Contact: ltk@energinet.dk

# FINAL REMARKS

Clement Johan Ulrichsen, Energinet Gas TSO

# SHIPPERS' FORUM 2022

Save the dates!

- 10 March 2022
- 9 June 2022
- 15 September 2022
- 8 December 2022

# QUESTIONS

Contact: cju@energinet.dk