

# User Group on the implementation of TAR NC

9 March 2017

*Nina Synnest (nsy@energinet.dk)*



# Agenda

- Tariff principles and market design in a Baltic Pipe future
- Background and TAR NC (Tariff Network Code)
  - Timeline
  - Scope and focus
  - Definitions
  - Overview of the tariff methodology as of March 2017
- Methodologies
  - CWD (Capacity Weighted Distance)
  - Uniform
- The way forward
  - Shipper Taskforce

# Getting started

- Presentation of participants
- The aim of the User Group
- Ask, comment and suggest!!
  
- For your consideration:
  - Other relevant tariff methods to consider (besides capacity-weighted, uniform and differentiated cost allocation)?
  - How do you see the potentials effects of the different cost allocation methodologies?
  - Pros and cons guided by the overall criteria of transparency, cost-reflectiveness and non-discrimination?

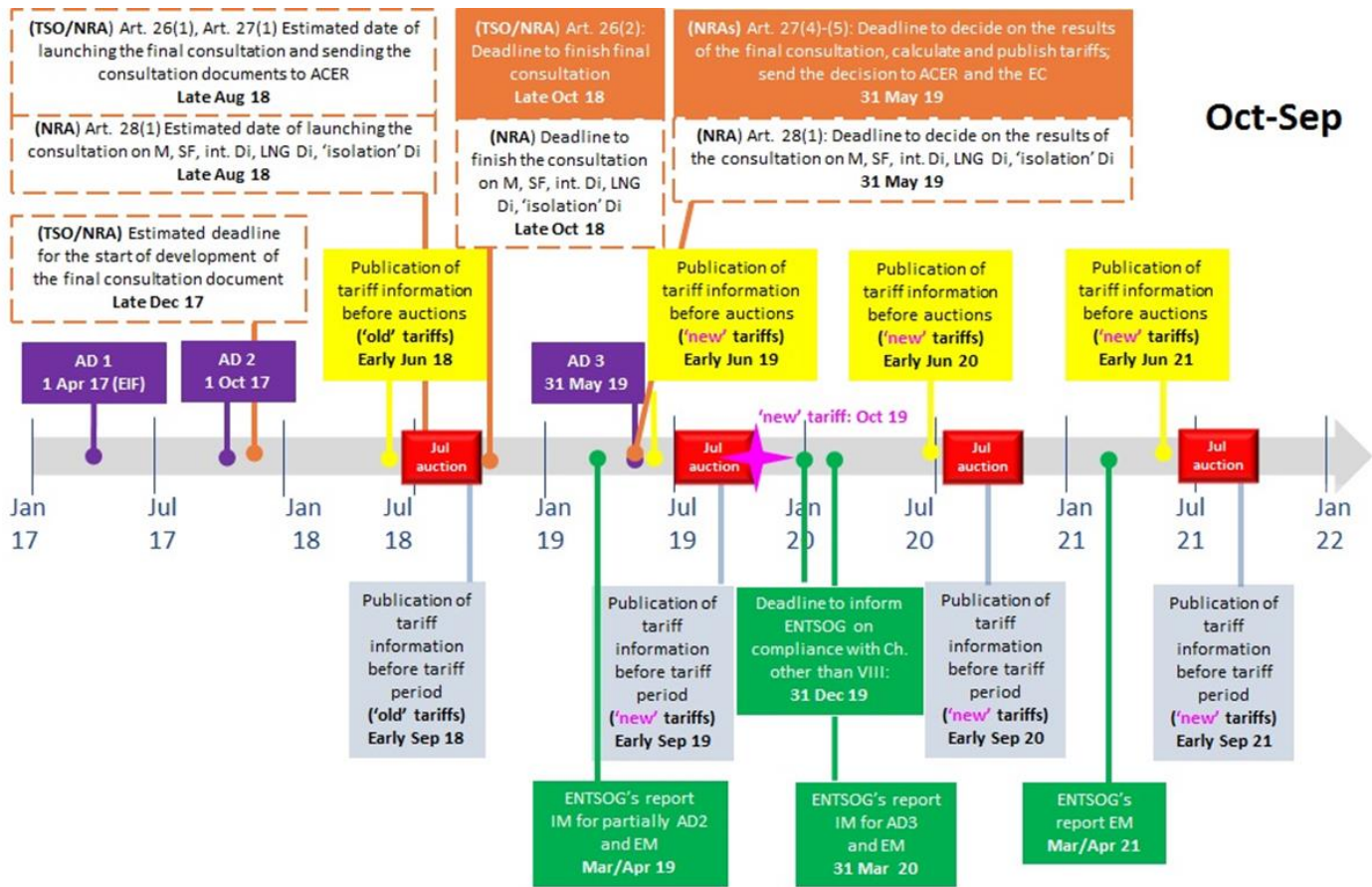
## Baltic Pipe – tariff principles and market design

- A common entry point for the Norwegian tie in the North Sea and the Danish transmission system
- Uniform cost allocation at points in the Danish transmission system
- Extension of uniform cost allocation to common entry point in the North Sea
- Other tariff structure elements remain

## Multiplier for long term capacity bookings

- With implementation of NC CAM and Open Season 2017 long term capacity bookings will be introduced to the Danish gas market
- Need to supplement existing structure of multipliers for daily, monthly, quarterly and yearly capacity bookings
- Energinet.dk will propose a multiplier of 0.90 for capacity bookings with duration  $\geq 5$  years for approval by DERA after market consultation.

# Timeline



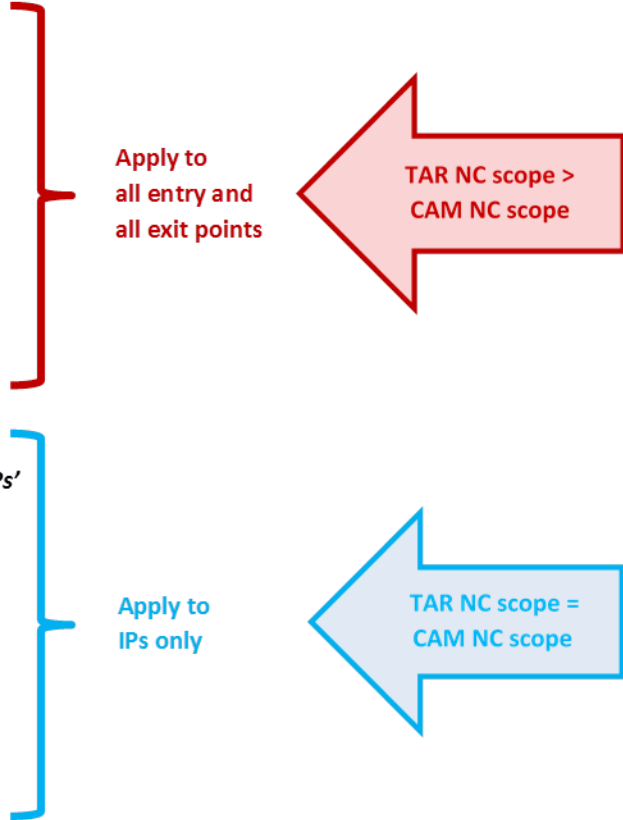
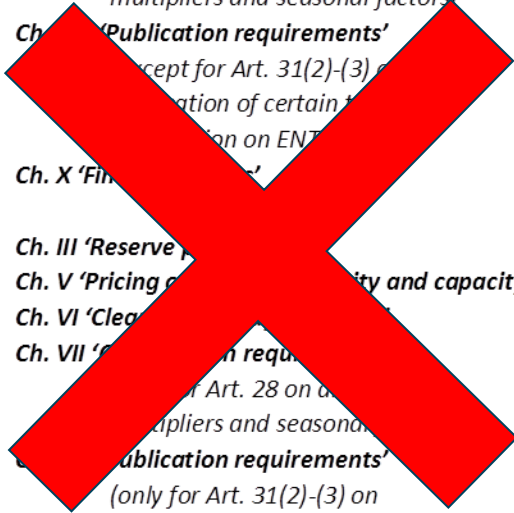
Oct-Sep

It is expected that the application on the future tariff methodology will be submitted to DERA by the end of year 2017 (oct./nov.)

# Background and TAR NC – Scope and focus

Focus of the meeting

- Ch. I 'General provisions'
- Ch. II 'Reference price methodologies'
- Ch. IV 'Reconciliation of revenue'
- Ch. VII 'Consultation requirements'  
(except for Art. 28 on discounts, multipliers and seasonal factors)
- Ch. VIII 'Publication requirements'  
(except for Art. 31(2)-(3) on publication of certain tariff information on ENTSOG's TP)
- Ch. X 'Financial requirements'
- Ch. III 'Reserve requirements'
- Ch. V 'Pricing of capacity and capacity at VIPs'
- Ch. VI 'Clearing requirements'
- Ch. VII 'Consultation requirements'  
(except for Art. 28 on discounts, multipliers and seasonal factors)
- Ch. VIII 'Publication requirements'  
(only for Art. 31(2)-(3) on publication of certain tariff information on ENTSOG's TP)
- Ch. IX 'Incremental capacity'



# TAR NC

## *Article 7*

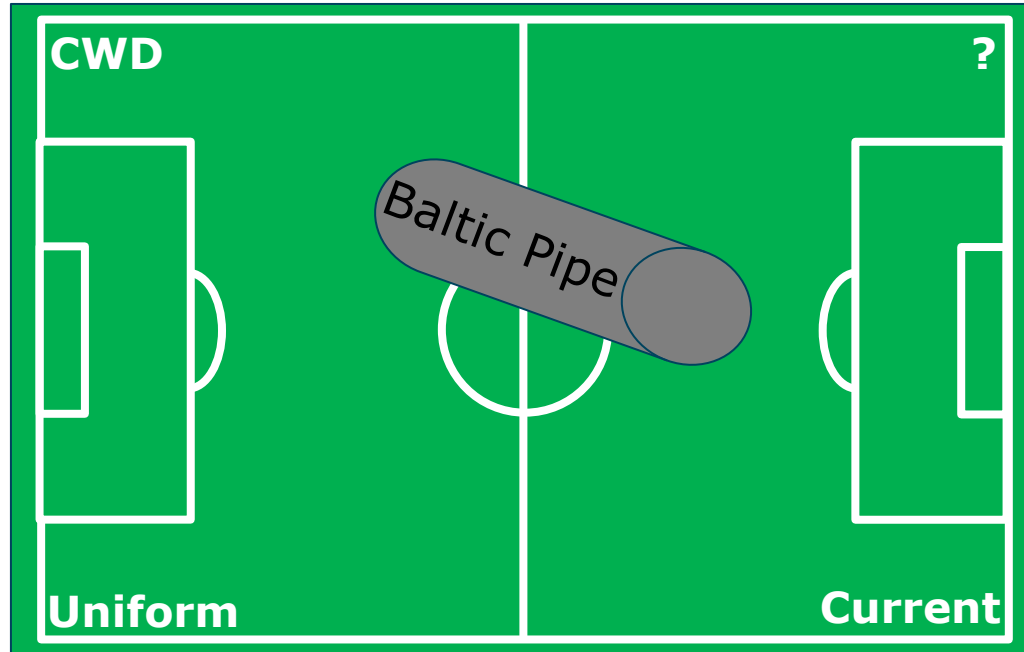
### *Choice of a reference price methodology*

The reference price methodology shall comply with Article 13 of Regulation (EC) No 715/2009 and with the following requirements. It shall:

- (v) enable network users to reproduce the calculation of reference prices and their accurate forecast;
- (w) take into account the actual costs incurred for the provision of transmission services considering the level of complexity of the transmission network;
- (x) ensure non-discrimination and prevent undue cross-subsidisation including by taking into account the cost allocation assessments set out in Article 5;
- (y) ensure that significant volume risk related particularly to transports between entry-exit systems is not assigned to final customers within an entry-exit system;
- (z) ensure that the resulting reference prices do not distort cross-border trade



# Setting the stage

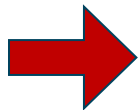


# Definitions

- Capacity-/commodity-split:
  - Capacity tariffs = recovery of CAPEX cost base
  - Commodity tariffs = recovery of OPEX cost base
- Entry-/Exit-split
  - Ex ante – all Entry are the same, all Exit tariffs are the same; Entry  $\neq$  Exit
  - Ex post – all tariffs are the same; Exit = Entry
- Modeling of storage points and VP
  - Point of departure: as is today (100% rebate)
- Different terms and common confusion

## Overall assumptions (2018/19 data)

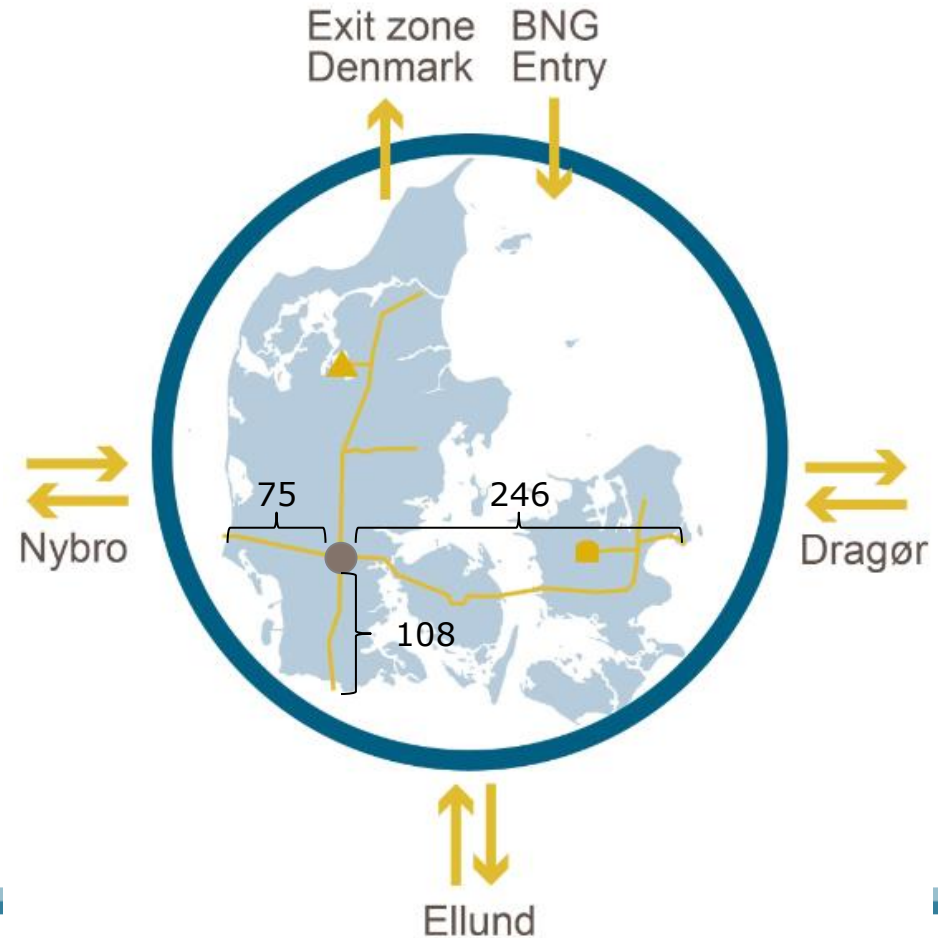
| <b>Entry Points</b>         | Capacity in $10^3 \text{ kwh}_e/\text{h}/\text{year}$<br>( $\text{CAP}_{\text{En}}$ ) | <b>Cost base</b>           | mDKK    |
|-----------------------------|---|----------------------------|---------|
| Nybro Entry                 | 4,865   | Total                      | 430     |
| Ellund Entry                | 3,105   | CAPEX-/OPEX-split          | 52%/48% |
| BNG Entry                   | 225   | Capacity cost base         | 223.6   |
|                             | 8,195   | Entry-/exit-split          | 50/50   |
|                             |   |                            |         |
|                             |   | <b>Over-/underrecovery</b> | 0 mDKK  |
| <b>Exit Points</b>          | Capacity in $10^3 \text{ kwh}_e/\text{h}/\text{year}$<br>( $\text{CAP}_{\text{Ex}}$ ) |                            |         |
| DK-Zone                     | 4,161   |                            |         |
| Ellund Exit                 | 1,195   |                            |         |
| Dragør Exit                 | 1,498   |                            |         |
|                             | 6,854   |                            |         |
|                             |   |                            |         |
| <b>Total entry and exit</b> | <b>15,048</b>   |                            |         |



Prior to a decision/realisation of a Baltic Pipe

# Distances

|                     | Distance to Egtved (km) |
|---------------------|-------------------------|
| <b>Entry Points</b> | $D_{En}$                |
| Nybro Entry         | 75                      |
| Ellund Entry        | 108                     |
| BNG Entry           | 0                       |
| <b>Exit Points</b>  | $D_{Ex}$                |
| DK-Zone             | 0                       |
| Ellund Exit         | 108                     |
| Dragør Exit         | 246                     |

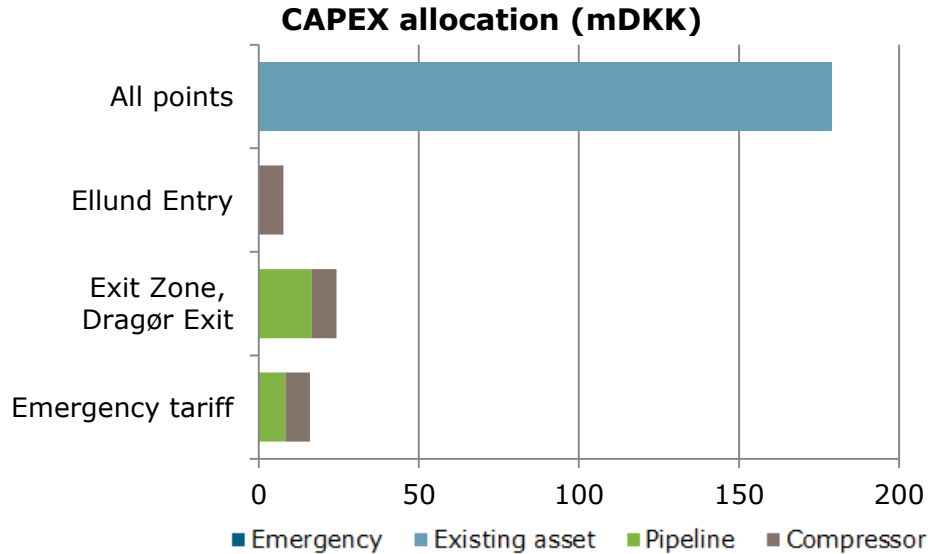


# Methodologies

- Current method
- Capacity Weighted Distance (default benchmark method)
- Uniform with and without 50/50 E-/E-split

# Overview of the tariff methodology as of March 2017

- A quick walk through the calculations today – differentiated tariffs



## Example – Exit DK Zone

$$Tariff_{DK\ Zone\ Dragør} = \frac{CAPEX_{Existing\ assets}}{Forecasted\ capacity_{All}} + \frac{\frac{2}{3}CAPEX_{Pipeline} + \frac{1}{3}CAPEX_{Compressor}}{Forecasted\ capacity_{DK\ Zone\ Dragør}}$$

$$Tariff_{DK\ Zone\ Dragør} = \frac{180,238,599}{15,048,023} + \frac{\frac{2}{3}22,424,787 + \frac{1}{3}20,936,613}{5,658,920}$$

$$= 11.98 + 3.87 = 15.85 \text{ DKK/kWh/h/year}$$

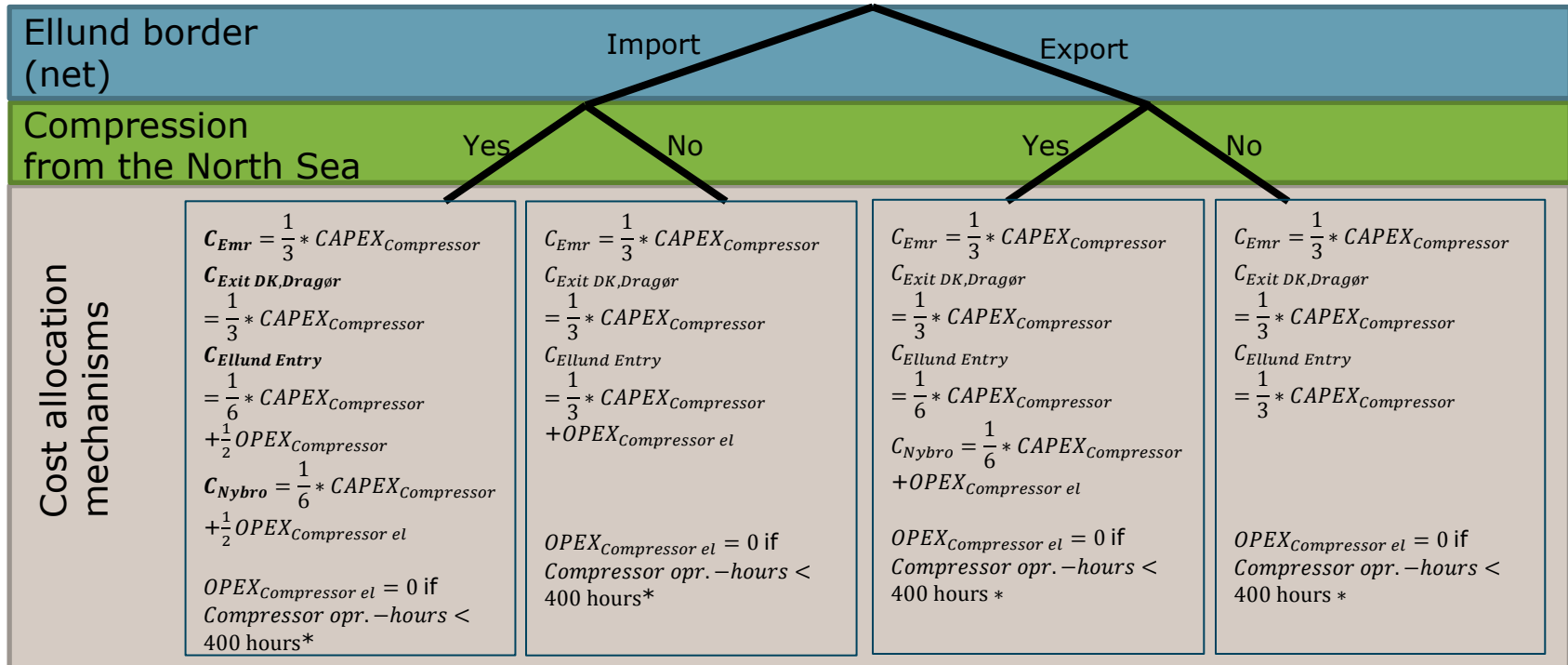
$$Tariff_{Ellund\ Entry} = \frac{CAPEX_{Existing\ assets}}{Forecasted\ capacity_{All}} + \frac{\frac{1}{3}CAPEX_{Compressor}}{Forecasted\ capacity_{Ellund\ Entry}}$$

$$Tariff_{Ellund\ Entry} = \frac{180,238,599}{15,048,023} + \frac{\frac{1}{3}20,936,613}{3,105,405}$$

$$= 11.98 + 2.34 = 14.32 \text{ DKK/kWh/h/year}$$

|                     | T_En<br>(DKK/kWh/h/year) |
|---------------------|--------------------------|
| <b>Entry Points</b> |                          |
| Nybro Entry         | 11.98                    |
| Ellund Entry        | 14.32                    |
| BNG Entry           | 11.98                    |
|                     | T_Ex<br>(DKK/kWh/h/year) |
| <b>Exit Points</b>  |                          |
| DK-Zone             | 15.85                    |
| Ellund Exit         | 11.98                    |
| Dragør Exit         | 15.85                    |

# Scenarios: Allocation of compressor CAPEX



\* If the compressor hours exceeds 400 hours annually and flow scenario is net exports Germany, allocated fuel costs over 400 hours to Ellund entry if there is no agreed lower gas pressure in Nybro, and 50/50, if agreed lower gas pressure in Nybro



## Capacity Weighted Distance (1)

- Default and benchmarking methodology
- Article 26 93. (c):
  - (vi) where the proposed reference price methodology is other than the capacity weighted distance reference price methodology detailed in Article 8, its **comparison against** the latter accompanied by the information set out in point (iii);

# Capacity Weighted Distance (2)

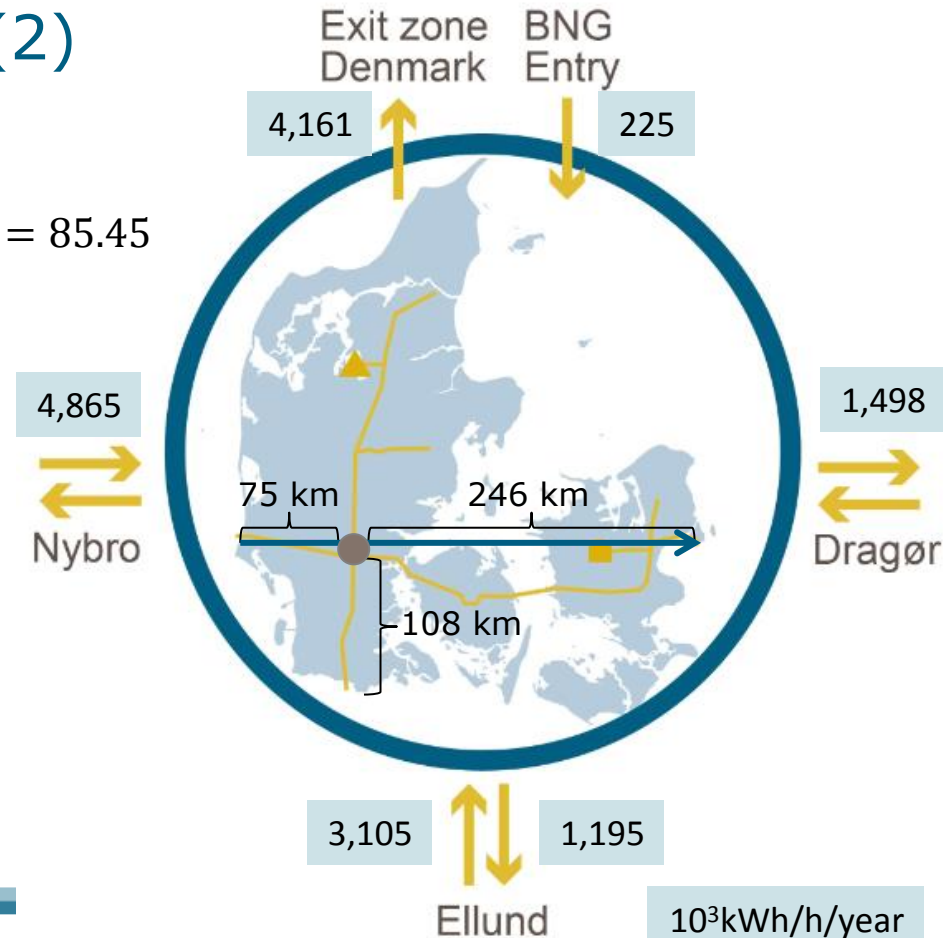
## Exampel – Exit DK Zone

$$AD_{Ex} = \frac{\sum_{all\ En} CAP_{En} \times D_{En,Ex}}{\sum_{all\ En} CAP_{En}} = \frac{4,865 \times 75 + 3,105 \times 108 + 225 \times 0}{8.195} = 85.45$$

$$W_{c,Ex} = \frac{CAP_{Ex} \times AD_{Ex}}{\sum_{all\ Ex} CAP_{Ex} \times AD_{Ex}} = \frac{4,161 \times 85.45}{985,316} = 0.36$$

$$R_{Ex} = W_{c,Ex} \times R_{\Sigma Ex} = 0.36 \times 111.80 = 40.35$$

$$T_{Ex} = \frac{R_{Ex}}{CAP_{Ex}} = \frac{40.35}{4,161} = 9.70 \text{ DKK/kWh/h/year}$$



## Capacity Weighted Distance (3)

1. Calculate weighted average distances:

| <b>Entry Points</b> | <b>AD_EN (km)</b> |
|---------------------|-------------------|
| Nybro Entry         | 147.59            |
| Ellund Entry        | 142.94            |
| BNG Entry           | 72.59             |
| <b>Exit Points</b>  | <b>AD_EX (km)</b> |
| DK-Zone             | 85.45             |
| Ellund Exit         | 111.59            |
| Dragør Exit         | 331.45            |

$$AD_{En} = \frac{\sum_{all\ Ex} CAP_{Ex} \times D_{En,Ex}}{\sum_{all\ Ex} CAP_{Ex}}$$

$$AD_{Ex} = \frac{\sum_{all\ En} CAP_{En} \times D_{En,Ex}}{\sum_{all\ En} CAP_{En}}$$

2. Calculate the weight of cost:

| <b>Entry Points</b> | <b>W_c,EN</b> |
|---------------------|---------------|
| Nybro Entry         | 0.61          |
| Ellund Entry        | 0.38          |
| BNG Entry           | 0.01          |
| <b>Exit Points</b>  | <b>W_c,EX</b> |
| DK-Zone             | 0.36          |
| Ellund Exit         | 0.14          |
| Dragør Exit         | 0.50          |

$$W_{c,En} = \frac{CAP_{En} \times AD_{En}}{\sum_{all\ En} CAP_{En} \times AD_{En}}$$

$$W_{c,Ex} = \frac{CAP_{Ex} \times AD_{Ex}}{\sum_{all\ Ex} CAP_{Ex} \times AD_{Ex}}$$

# Capacity Weighted Distance (4)

3. Identify the part of the transmission services revenue to be recovered

|         | Pct. | mDKK  |
|---------|------|-------|
| R       | 1    | 223.6 |
| R_sumEN | 0,5  | 111.8 |
| R_sumEX | 0,5  | 111.8 |

4. Calculate the part of R to be recovered

| <b>Entry Points</b> | R_En (mDKK) |
|---------------------|-------------|
| Nybro Entry         | 68.13       |
| Ellund Entry        | 42.12       |
| BNG Entry           | 1.55        |
| <b>Exit Points</b>  | R_Ex (mDKK) |
| DK-Zone             | 40.35       |
| Ellund Exit         | 15.13       |
| Dragør Exit         | 56.33       |

$$R_{En} = W_{c,En} \times R_{\Sigma En}$$

$$R_{Ex} = W_{c,Ex} \times R_{\Sigma Ex}$$

5. Divide the resulting values with the forecasted booked capacity at each point

| <b>Entry Points</b> | T_En<br>(DKK/kWh/h/year) |
|---------------------|--------------------------|
| Nybro Entry         | 14.01                    |
| Ellund Entry        | 13.56                    |
| BNG Entry           | 6.89                     |

| <b>Exit Points</b> | T_Ex<br>(DKK/kWh/h/year) |
|--------------------|--------------------------|
| DK-Zone            | 9.70                     |
| Ellund Exit        | 12.66                    |
| Dragør Exit        | 37.61                    |

$$T_{En} = \frac{R_{En}}{CAP_{En}} \quad T_{Ex} = \frac{R_{Ex}}{CAP_{Ex}}$$

# Sensitivity

|  | <i>Effect on tariff at<br/>(DKK/kWh/h/year)</i> | Nybro<br>Entry | Ellund<br>Entry | BNG<br>Entry | DK-<br>Zone | Ellund<br>Exit | Dragør<br>Exit |
|--|---|----------------|-----------------|--------------|-------------|----------------|----------------|
| <i>10 pct.<br/>increase in<br/>capacity at</i> | Nybro Entry                                     | -0.80          | -0.51           | -0.02        | -0.07       | 0.11           | -0.04          |
|  | Ellund Entry                                    | -0.78          | -0.49           | -0.02        | 0.13        | -0.18          | 0.05           |
|  | BNG Entry                                       | -0.40          | -0.25           | -0.01        | -0.24       | 0.08           | 0.16           |
|  | DK-Zone   | -0.08          | 0.10            | -0.01        | -0.34       | -0.13          | -0.47          |
|  | Ellund Exit                                     | 0.43           | -0.46           | 0.02         | -0.44       | -0.17          | -0.61          |
|  | Dragør Exit                                     | -0.12          | 0.10            | 0.02         | -1.31       | -0.50          | -1.80          |

*Marginal effect of 10 pct.  
target revenue increase*

DKK/kWh/h/year

Nybro Entry

0.52

Ellund Entry

0.50

BNG Entry

0.25

DK-Zone

0.88

Ellund Exit

1.74

Dragør Exit

3.63

# Uniform

Ex-ante E/E-split:

| <b>Entry Points</b> | <b>T<sub>En</sub></b><br>(DKK/kWh/h/year) |
|---------------------|---|
| Nybro Entry         | 13.64                                     |
| Ellund Entry        | 13.64                                     |
| BNG Entry           | 13.64                                     |

| <b>Exit Points</b> | <b>T<sub>Ex</sub></b><br>(DKK/kWh/h/year) |
|--------------------|---|
| DK-Zone            | 16.31                                     |
| Ellund Exit        | 16.31                                     |
| Dragør Exit        | 16.31                                     |

$$T_{En} = \frac{0,5 \times CAPEX}{CAP_{En}} = \frac{111.8}{8.195} = 13.64 \text{ kr./kWh/h/year}$$

$$T_{Ex} = \frac{0,5 \times CAPEX}{CAP_{Ex}} = \frac{111.8}{6,854} = 16.31 \text{ kr./kWh/h/year}$$

Ex-post E/E-split:

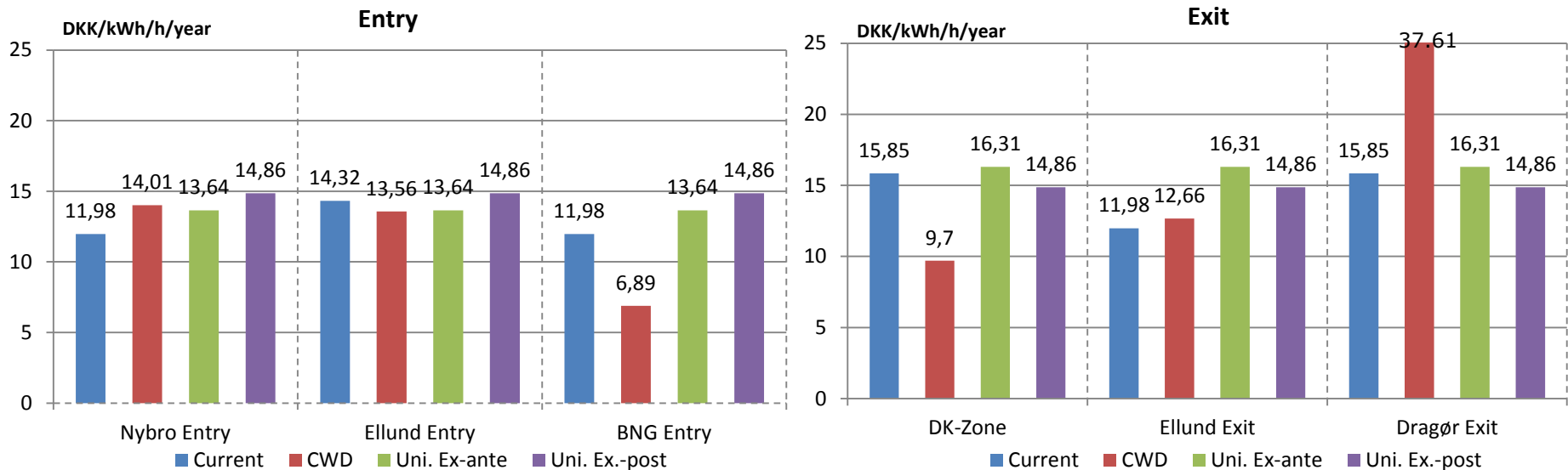
| <b>Entry Points</b> | <b>T<sub>En</sub></b><br>(DKK/kWh/h/year) |
|---------------------|---|
| Nybro Entry         | 14.86                                     |
| Ellund Entry        | 14.86                                     |
| BNG Entry           | 14.86                                     |

| <b>Exit Points</b> | <b>T<sub>Ex</sub></b><br>(DKK/kWh/h/year) |
|--------------------|---|
| DK-Zone            | 14.86                                     |
| Ellund Exit        | 14.86                                     |
| Dragør Exit        | 14.86                                     |

$$T_{En} = T_{Ex} = \frac{CAPEX}{CAP_{All}} = \frac{223.6}{15.048} = 14.86 \text{ kr./kWh/h/year}$$

# Comparison of cost allocation methods



# Invitation to a Shipper Taskforce

- Shippers will be involved in the development of a new tariff methodology for the Danish gas market
- Will report to the User Group
- Working group:
  - Active participation is required
  - Developing examples
  - Discuss effects and incentives
- First meeting in April
- Sign up by sending a mail to [gastariffs@energinet.dk](mailto:gastariffs@energinet.dk), no later than 27 March 2017

*Maximum of 8 participants (one per company)*



# Questions and comments

Back to the beginning:

- Other relevant tariff methods to consider (besides capacity-weighted, uniform and differentiated cost allocation)?
- How do you see the potentials effects of the different cost allocation methodologies?
- Pros and cons guided by the overall criteria of transparency, cost-reflectiveness and non-discrimination?

Other considerations:

- How to reach a common understanding of the proper cost allocation principle?
- Process towards implementation of the full TAR NC (the less decisive elements of the code: transparency, reconciliation, bundling etc.)
- How to initiate future changes? Impact on the methodology of changes to energy policy, regulation, organisation and market conditions

# Thank you!

Please feel free to contact me

*Nina Synnest*

*Phone: +45 23 33 89 02*

*@: [nsy@energinet.dk](mailto:nsy@energinet.dk)*



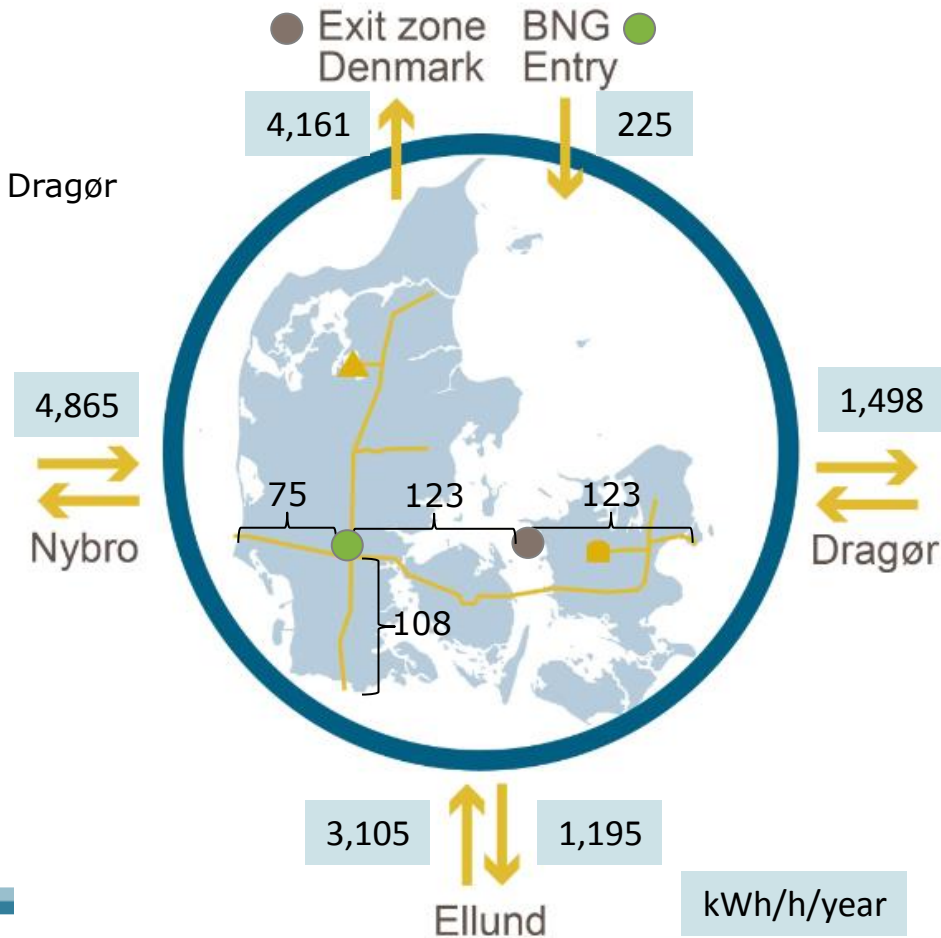
# Appendix



# Sensitivity – CWD (1)

- DK Exit is placed halfway between Egtved and Dragør
- BNG Entry remains in Egtved

|                     | Distance to DK-Zone (km) |
|---------------------|--------------------------|
| <b>Entry Points</b> | $D_{En}$                 |
| Nybro Entry         | 198                      |
| Ellund Entry        | 231                      |
| BNG Entry           | 123                      |
| <b>Exit Points</b>  | $D_{Ex}$                 |
| DK-Zone             | 0                        |
| Ellund Exit         | 231                      |
| Dragør Exit         | 123                      |



## Capacity Weighted Distance (2)

1. Calculate weighted average distances:

| <b>Entry Points</b> | <b>AD_EN (km)</b> |
|---------------------|-------------------|
| Nybro Entry         | 265.14            |
| Ellund Entry        | 217.62            |
| BNG Entry           | 190.14            |
| <b>Exit Points</b>  | <b>AD_EX (km)</b> |
| DK-Zone             | 208.45            |
| Ellund Exit         | 264.37            |
| Dragør Exit         | 331.45            |

$$AD_{En} = \frac{\sum_{all\ Ex} CAP_{Ex} \times D_{En,Ex}}{\sum_{all\ Ex} CAP_{Ex}}$$

$$AD_{Ex} = \frac{\sum_{all\ En} CAP_{En} \times D_{En,Ex}}{\sum_{all\ En} CAP_{En}}$$

2. Calculate the weight of cost:

| <b>Entry Points</b> | <b>W_c,EN</b> |
|---------------------|---------------|
| Nybro Entry         | 0.64          |
| Ellund Entry        | 0.34          |
| BNG Entry           | 0.02          |
| <b>Exit Points</b>  | <b>W_c,EX</b> |
| DK-Zone             | 0.52          |
| Ellund Exit         | 0.19          |
| Dragør Exit         | 0.30          |

$$W_{c,En} = \frac{CAP_{En} \times AD_{En}}{\sum_{all\ En} CAP_{En} \times AD_{En}}$$

$$W_{c,Ex} = \frac{CAP_{Ex} \times AD_{Ex}}{\sum_{all\ Ex} CAP_{Ex} \times AD_{Ex}}$$

# Capacity Weighted Distance (3)

3. Identify the part of the transmission services revenue to be recovered

|         | Pct. | mDKK  |
|---------|------|-------|
| R       | 1    | 223.6 |
| R_sumEN | 0,5  | 111.8 |
| R_sumEX | 0,5  | 111.8 |

4. Calculate the part of R to be recovered

| <b>Entry Points</b> | R_En (mDKK) |
|---------------------|-------------|
| Nybro Entry         | 71.80       |
| Ellund Entry        | 37.62       |
| BNG Entry           | 2.38        |
| <b>Exit Points</b>  | R_Ex (mDKK) |
| DK-Zone             | 57.74       |
| Ellund Exit         | 21.02       |
| Dragør Exit         | 33.04       |

$$R_{En} = W_{c,En} \times R_{\Sigma En}$$

$$R_{Ex} = W_{c,Ex} \times R_{\Sigma Ex}$$

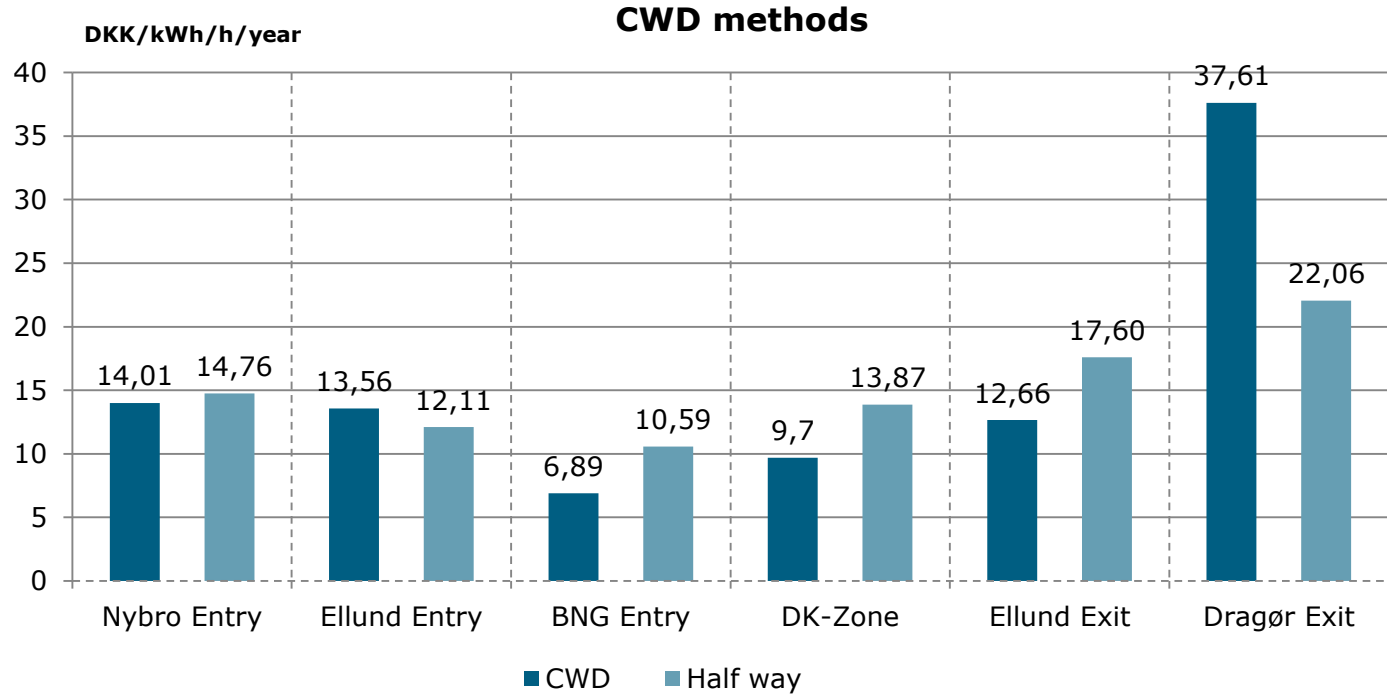
5. Divide the resulting values with the forecasted booked capacity at each point

| <b>Entry Points</b> | T_En<br>(DKK/kWh/h/year) |
|---------------------|--------------------------|
| Nybro Entry         | 14.76                    |
| Ellund Entry        | 12.11                    |
| BNG Entry           | 10.59                    |

| <b>Exit Points</b> | T_Ex<br>(DKK/kWh/h/year) |
|--------------------|--------------------------|
| DK-Zone            | 13.87                    |
| Ellund Exit        | 17.60                    |
| Dragør Exit        | 22.06                    |

$$T_{En} = \frac{R_{En}}{CAP_{En}} \quad T_{Ex} = \frac{R_{Ex}}{CAP_{Ex}}$$

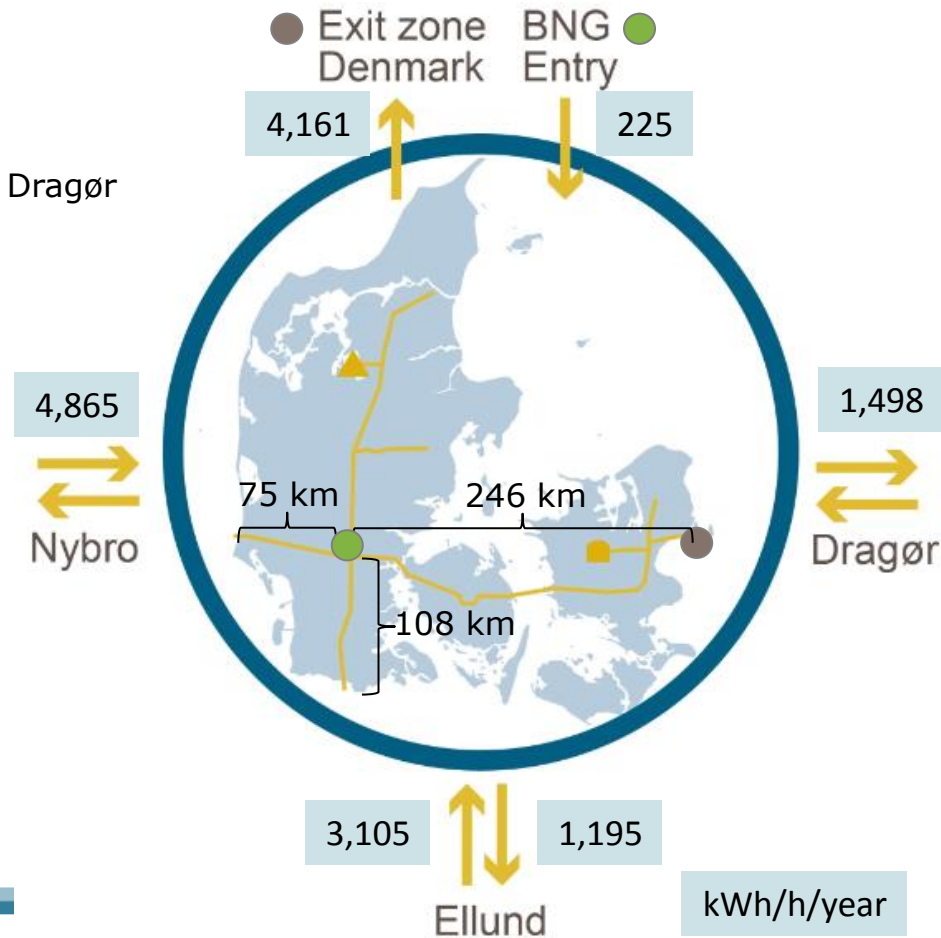
# Comparison



## Sensitivity 2 – CWD (1)

- DK Exit is placed halfway between Egtved and Dragør
- BNG Entry remains in Egtved

|                     | Distance to DK-Zone (km) |
|---------------------|--------------------------|
| <b>Entry Points</b> | $D_{En}$                 |
| Nybro Entry         | 321                      |
| Ellund Entry        | 354                      |
| BNG Entry           | 246                      |
|                     |                          |
|                     | Distance to DK-Zone (km) |
| <b>Exit Points</b>  | $D_{Ex}$                 |
| DK-Zone             | 0                        |
| Ellund Exit         | 354                      |
| Dragør Exit         | 0                        |





## Capacity Weighted Distance (2)

1. Calculate weighted average distances:

| <b>Entry Points</b> | <b>AD_EN (km)</b> |
|---------------------|-------------------|
| Nybro Entry         | 382.70            |
| Ellund Entry        | 292.30            |
| BNG Entry           | 307.70            |
| <b>Exit Points</b>  | <b>AD_EX (km)</b> |
| DK-Zone             | 331.45            |
| Ellund Exit         | 417.15            |
| Dragør Exit         | 331.45            |

$$AD_{En} = \frac{\sum_{all\ Ex} CAP_{Ex} \times D_{En,Ex}}{\sum_{all\ Ex} CAP_{Ex}}$$

$$AD_{Ex} = \frac{\sum_{all\ En} CAP_{En} \times D_{En,Ex}}{\sum_{all\ En} CAP_{En}}$$

2. Calculate the weight of cost:

| <b>Entry Points</b> | <b>W_c,EN</b> |
|---------------------|---------------|
| Nybro Entry         | 0.66          |
| Ellund Entry        | 0.32          |
| BNG Entry           | 0.02          |
| <b>Exit Points</b>  | <b>W_c,EX</b> |
| DK-Zone             | 0.58          |
| Ellund Exit         | 0.21          |
| Dragør Exit         | 0.21          |

$$W_{c,En} = \frac{CAP_{En} \times AD_{En}}{\sum_{all\ En} CAP_{En} \times AD_{En}}$$

$$W_{c,Ex} = \frac{CAP_{Ex} \times AD_{Ex}}{\sum_{all\ Ex} CAP_{Ex} \times AD_{Ex}}$$

# Capacity Weighted Distance (3)

3. Identify the part of the transmission services revenue to be recovered

|         | Pct. | mDKK  |
|---------|------|-------|
| R       | 1    | 223.6 |
| R_sumEN | 0,5  | 111.8 |
| R_sumEX | 0,5  | 111.8 |

4. Calculate the part of R to be recovered

| <b>Entry Points</b> | R_En (mDKK) |
|---------------------|-------------|
| Nybro Entry         | 73.33       |
| Ellund Entry        | 35.75       |
| BNG Entry           | 2.72        |
| <b>Exit Points</b>  | R_Ex (mDKK) |
| DK-Zone             | 64.95       |
| Ellund Exit         | 23.47       |
| Dragør Exit         | 23.38       |

$$R_{En} = W_{c,En} \times R_{\Sigma En}$$

$$R_{Ex} = W_{c,Ex} \times R_{\Sigma Ex}$$

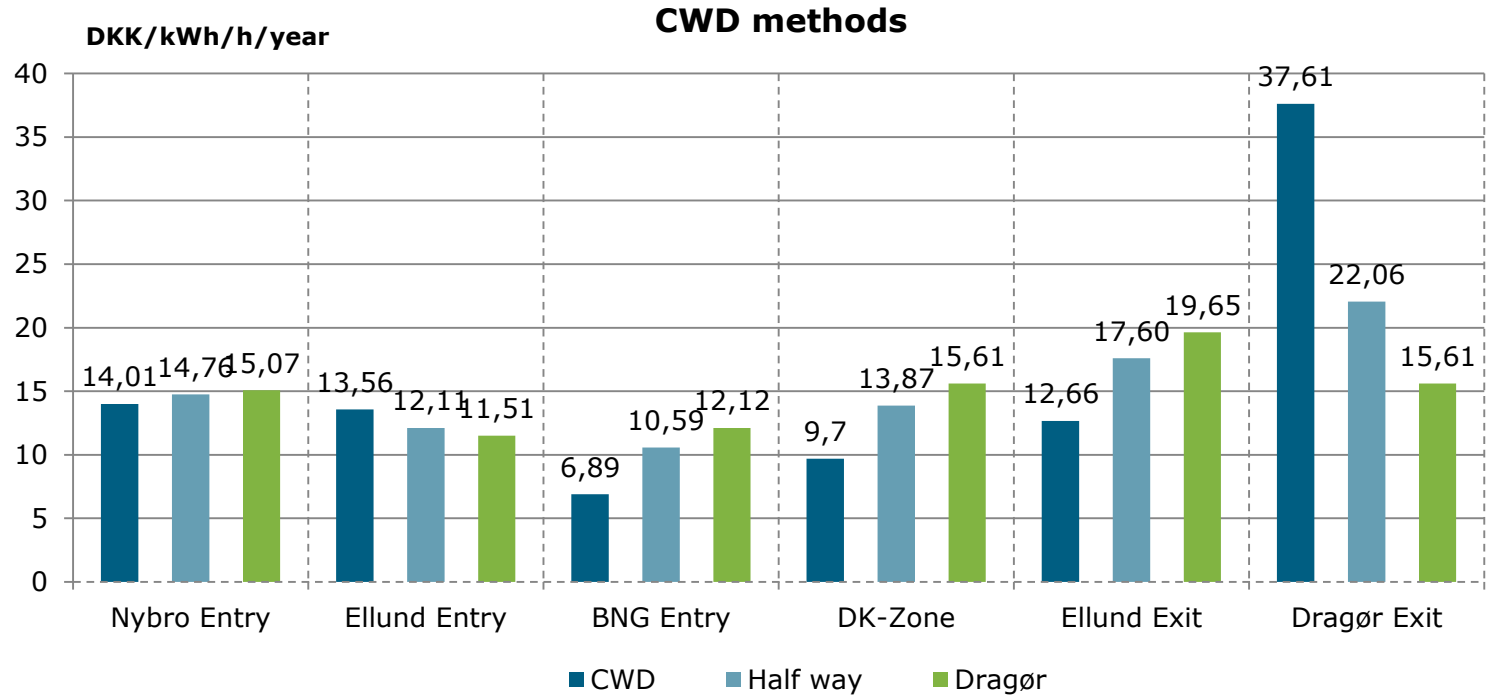
5. Divide the resulting values with the forecasted booked capacity at each point

| <b>Entry Points</b> | T_En<br>(DKK/kWh/h/year) |
|---------------------|--------------------------|
| Nybro Entry         | 15.07                    |
| Ellund Entry        | 11.51                    |
| BNG Entry           | 12.12                    |

| <b>Exit Points</b> | T_Ex<br>(DKK/kWh/h/year) |
|--------------------|--------------------------|
| DK-Zone            | 15.61                    |
| Ellund Exit        | 19.65                    |
| Dragør Exit        | 15.61                    |

$$T_{En} = \frac{R_{En}}{CAP_{En}} \quad T_{Ex} = \frac{R_{Ex}}{CAP_{Ex}}$$

# Comparison



# Q&A



## Q&A (1)

Q: Is the estimate for capacity used in the calculation a forecast or is it actual utilization?

A: The capacity used in the presentation is a forecast for 2018/2019

Q: How will the new tariff methodology handle if there are two compressor stations in the Danish transmissions system, if the Baltic pipe project is realized?

A: The model is not decided

Q: Placing Exit DK in Egtved seems to be a extreme scenario?

A: Yes! In the appendix you'll find scenarios placing Exit DK halfway between Egtved and Dragør and in Dragør.

## Q&A (2)

Q: Many large projects, what are Energinet.dks thoughts on the timeline?

A: The intention is to submit the application for the new tariff methodology at the end of 2017 (Oct./Nov.). However if needed we have the opportunity to postpone the submission to October 2018.

Q: What is the scope of the Shipper Taskforce?

A: Mainly the Chapter 2 of the TAR NC, "Reference Methodology". But other issues relevant for the tariffs will also be discussed.