

ENERGINET

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MEMO**EARLY COMPLIANCE****1. Art. 30 (2)(b): Model and calculations**

Information about the applied tariff model and an explanation on how to calculate the transmission tariffs applicable for the prevailing tariff period.

- Energinet applies as its basis a uniform/postage stamp tariff methodology with an ex-post entry-exit-split meaning that the resulting tariffs will be the same at all entry and all exit points, that cover the CAPEX relating to existing assets before 2013.
- Some points have an initial element that covers the CAPEX relating to the Ellund-Egtved expansion (compressor and pipeline).
- Correction of over-recovery (7,500,000 DKK) is also included.

Calculation of capacity tariffs:

$$\begin{aligned} \text{Tariff}_{\substack{\text{Nybro Entry} \\ \text{BNG Entry} \\ \text{Ellund Exit}}} &= \frac{\text{CAPEX}_{\text{Existing assets}} - \text{Correction of over recovery}}{\text{Forecasted capacity}_{\substack{\text{Nybro Entry} \\ \text{BNG Entry} \\ \text{Ellund Exit}}}} \\ &= \frac{135,287,744 - 7,500,000}{12,230,357} = 10.45 \text{ DKK/kWh/h/year} \end{aligned}$$

$$\begin{aligned} \text{Tariff}_{\substack{\text{DK Zone} \\ \text{Dragør Exit}}} &= \frac{\text{CAPEX}_{\text{Existing assets}} - \text{Correction of over recovery}}{\text{Forecasted capacity}_{\substack{\text{Nybro Entry} \\ \text{BNG Entry} \\ \text{Ellund Exit}}}} \\ &+ \frac{\frac{2}{3} \text{CAPEX}_{\text{pipeline}} + \frac{1}{3} \text{CAPEX}_{\text{Compressor}}}{\text{Forecasted capacity}_{\substack{\text{DK Zone} \\ \text{Dragør Exit}}}} \\ &= \frac{135,287,744 - 7,500,000}{12,230,357} + \frac{14,949,858 + 6,978,871}{5,794,709} \\ &= 10.45 + 3.78 = 14.23 \text{ DKK/kWh/h/year} \end{aligned}$$

$Tariff_{Ellund}$
Entry

$$\begin{aligned}
 &= \frac{CAPEX_{Existing\ assets}}{Forecasted\ capacity_{Ellund\ Entry}} \\
 &+ \frac{\frac{1}{3}CAPEX_{Compressor} + Correction\ of\ over\ recovery + compressor\ fuel}{Forecasted\ capacity_{Ellund\ Entry}} \\
 &= \frac{34,347,122}{3,105,405} + \frac{6,978,871 + 7,500,000 + 300,000}{3,105,405} \\
 &= 11.06 + 4.76 = 15.82\ DKK/kWh/h/year
 \end{aligned}$$

Calculation of commodity tariffs:

$$Tariff_{Exit\ points} = \frac{OPEX}{Forecasted\ flow_{Exit\ points}} = \frac{196,600,000}{51,565,858,267} = 0.00381\ DKK/kWh$$

Resulting tariffs:

	T_En
Entry Points	(DKK/kWh/h/year)
Nybro Entry	10.45
Ellund Entry	14.23
BNG Entry	10.45

	T_Ex
Exit Points	(DKK/kWh/h/year)
DK-Zone	15.82
Ellund Exit	10.45
Dragør Exit	15.82

	(DKK/kWh)
Exit Points	
Commodity tariff	0.00381