

# TSO COMMENTS TO ACER'S MACZT MONITORING

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### RESULTS\* - ENERGINET ANALYSIS

AC borders	Import		Export		
	#Hours	% of time	#Hours	% of time	
DK2 – SE4	3	0,069%	0	0%	
DK1 – DE/LU	0	0%	14	0,321%	

DC borders	lm	port	Export		
	#Hours	% of time	#Hours	% of time	
DK1 – NO2	6	0,137%	2	0,046%	
DK1 – SE3	30	0,687%	24	0,549%	
DK1 – DK2	31	0,71%	31	0,71%	
DK1 – NL	0	0%	0	0%	
DK2-DE/LU	0	0%	0	0%	

For DC borders, we have identified 87 different hours where compliance cannot be documented or potentially isn't met.

<sup>\*</sup>The results are based on Energinet's own analysis of the 70% requirement compliance and shows the number of hours where compliance cannot be documented or potentially isn't met.



### RESULTS – DC BORDERS - ACER

Acer finds same result as Energinet for the DC borders

#### Method:

Checking whether the capacity given to the market is 70% of each CNE's Fmax pr. MTU.

Green = Both TSOs gives 70% or more
Purple = The TSO which BZN border is listed gives less
than 70% to the market
Red = Both TSO's gives less than 70% to the market



### RESULT\* -AC BORDERS - ACER

Energinet cannot recognize ACERs results for DK1<>DE

Method:

Unclear. Currently being discussed with ACER

- In an ongoing dialogue with ACER
- Discussions on ENTSO-E level regarding the applied method
- \* Data was not delivered for DK2<>SE4 due to missing Nordic CGM



## SVENSKA KRAFTNÄT COMMENTS TO ACERS 70% MONITORING

Challenging from a safety regulation and data availability perspective

- Obstacle in national regulation that prevents Svk from sharing detailed grid data
- No functioning Nordic common grid model this means it is not possible to meet ACER's requirements
- Svk are making best efforts to deliver what is possible.



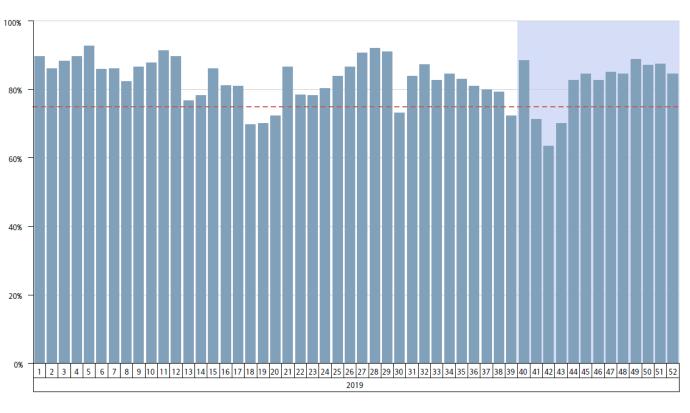


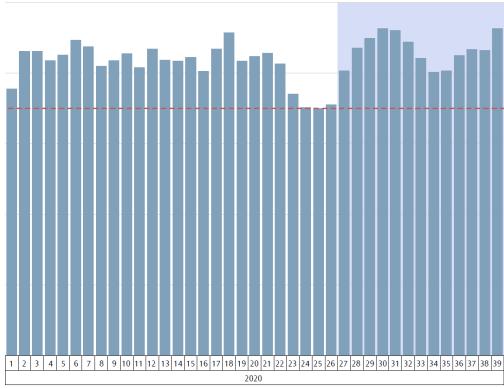
Q1-Q3 2020

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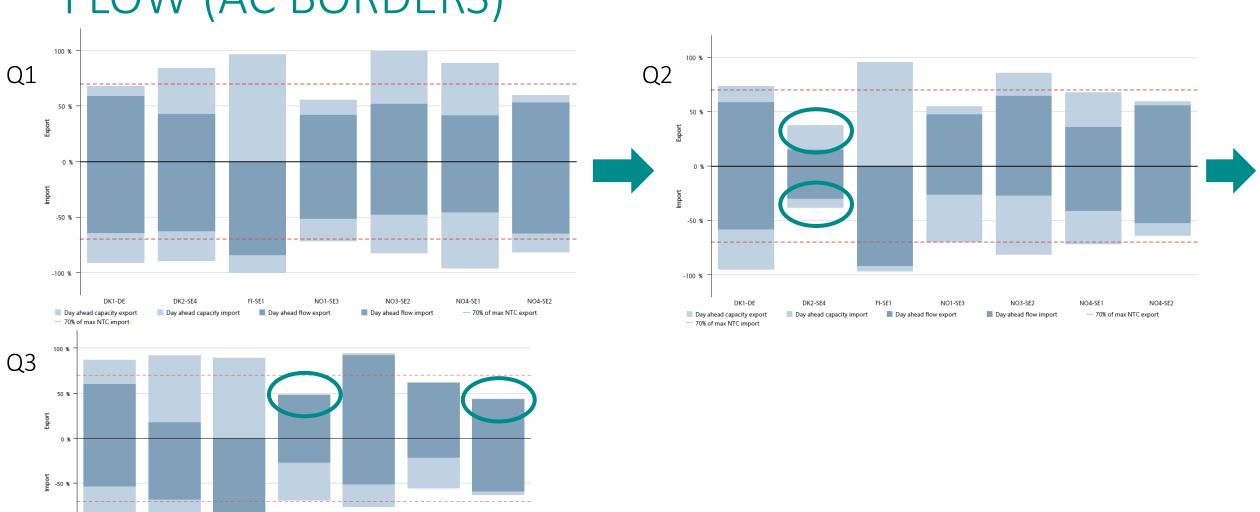


## AVERAGE "NORDIC CAPACITY" AVAILABLE FOR THE MARKET





## AVERGAE QUATERLY DAY AHEAD CAPACITY AND ENERGINET FLOW (AC BORDERS)



-100 %

-150 %

DK1-DE

Day ahead capacity import Day ahead flow export

Day ahead capacity export

-- 70% of max NTC import

NO3-SE2

Day ahead flow import

NO4-SE2

-- 70% of max NTC export

## AVERGAE QUATERLY DAY AHEAD CAPACITY AND ENERGINET FLOW (DC BORDERS



-200 %

DK1-NO2

- 70% of max NTC import

NO2-NI

SF4-DF

SF4-LT

-- 70% of max NTC export

SF4-PI



## REQUIREMENTS FOR INFORMING MARKET ABOUT UNAVAILABLE TRANSMISSION CAPACITY

Transparency regulation article 10 and REMIT obliges the TSO's to inform the market about unavailable transmission capacity.

#### Transparency regulation

Article 10

#### Information relating to the unavailability of transmission infrastructure

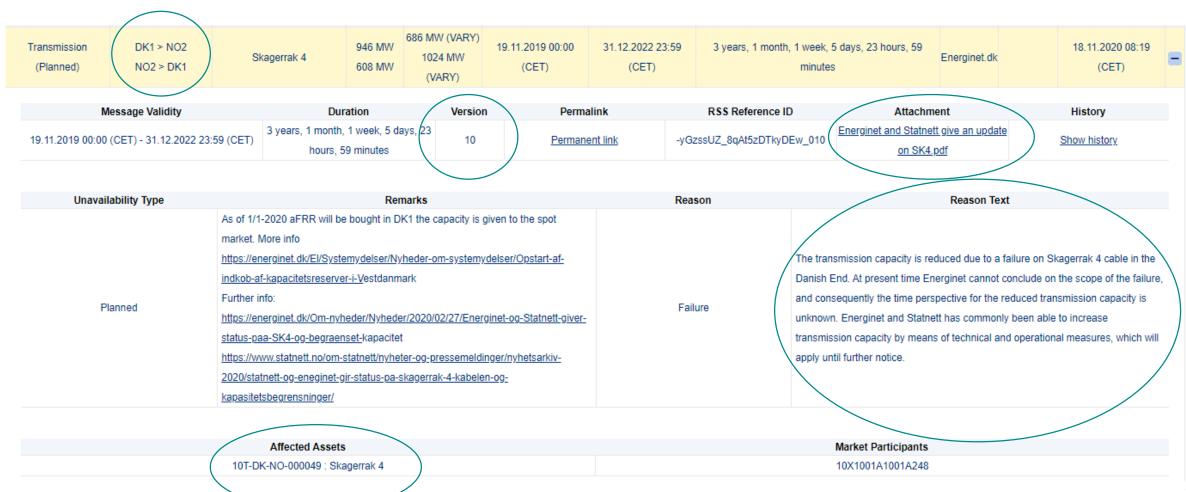
- For their control areas TSOs shall calculate and provide to the ENTSO for Electricity:
- (a) the planned unavailability, including changes in the planned unavailability of interconnections and in the transmission grid that reduce cross zonal capacities between bidding zones by 100 MW or more during at least one market time unit, specifying:
  - the identification of the assets concerned.
  - the location.
  - the type of asset,
  - the estimated impact on cross zonal capacity per direction between bidding zones,
  - reasons for the unavailability,
  - the estimated start and end date (day, hour) of the change in availability;

Information on unavailable transmission capacity is published by the TSO's on:

- ENTSO-E Transparency platform
- NUCS
- Re-published on Nord Pool UMM



#### INFORMATION IN THE MARKET MESSAGES





#### MANY CHALLENGES IN 2020

The Nordic TSO's have published 1354 market messages during 2020 with information on unavailable transmission capacity (incl. updates)

P	ublisher	Plar	nned	Unp	lanned			
Е	nerginet	:		143		52		
Fi	ingrid			32		28		
S <sup>-</sup>	tatnett			444		163		
S	venska k	raftnät		429		63		
To	otal			1048		306		
ransmission (Planned)	SE4 > DK2 DK2 > SE4	Söderåsen-Hovegård-HVE_400_SÅN	8 MW 1300 M 375 MW 1325 M	10.12.2020 06:00 (CE	T) 10.12.2020 17:00 (CET)	11 hours	Energinet.dk	25.11.2020 14:43 (CET)
ansmission (Planned)	SE4 > DK2 DK2 > SE4	Söderåsen-Hovegård-HVE_400_SÅN	0 MW 1300 M 375 MW 1325 M	10.12.2020 06:00 (CET	T) 10.12.2020 17:00 (CET)	11 hours	Svenska Kraftnät	27.11.2020 09:41 (CET)
				İ				12



## Thank you for your attention

Questions?