

# Panel discussion 1: State of development of the ETS market and outlook

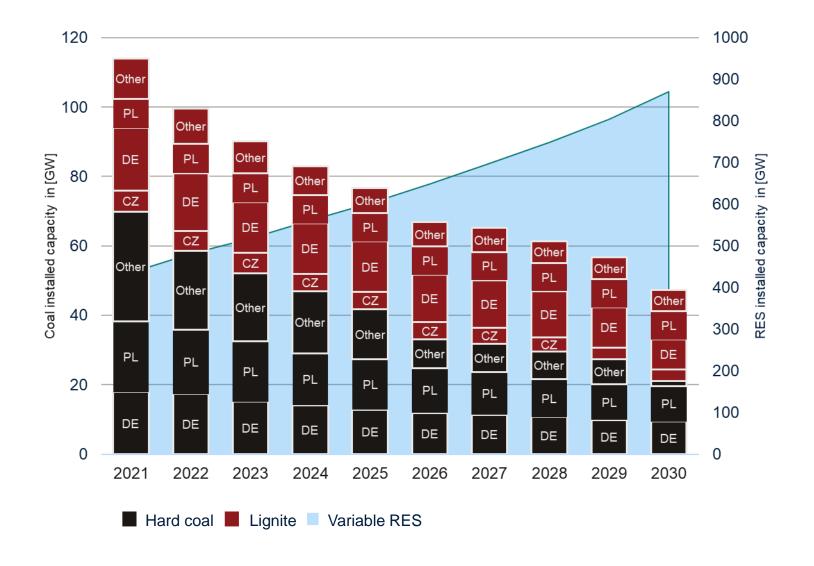
MSR in context: Coal phase out implications and MSR functioning in a time of crisis

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Yann Andreassen, Senior Analyst - EU Power and Carbon Markets

EU Carbon Team: <u>eu-carbon@icis.com</u>

# EU coal-phase out landscape 2021-2030





# By 2030

- Coal capacity down 77 GW
- RES capacity x 2

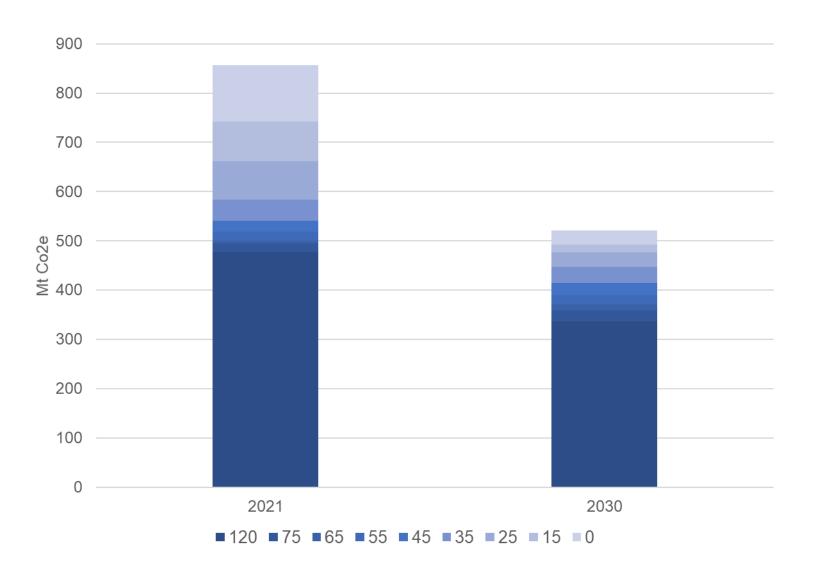
#### **KEK TAKEAWAYS**

- National policies driving lignite and coal out
- EU power stack CO2 intensity heavily reduced

#### MARKET IMPACT

 Reduced CO2 intensity = Reduced power fuel switch potential (lignite > Coal > gas)

# Power fuel switch evolution 2021-2030





#### In 2021

Pre-coal phase out, power sector has high fuel switch fire power <€45 EUA price

#### In 2030

Overal fuel switch potential massively reduced

#### **KEK TAKEAWAYS**

- National policies have reduced the power sector ability to balance the EU ETS
- Industry abatement must step in, in large scale

### MARKET IMPACT

 Risk of highly sensitive EUA price

# **Summary**



# EU Power landscape

- Coal phase-out
- Reduced power sector fuel switch
- Reduced EUA market balancing capacity
- Increased EUA price sensitivity
- High volatility risk

# Current MSR withdrawal rate

- Fixed (24%/12%)
- Independent from MSR upper threshold target
- Rigid and somehow disconnected from market realities

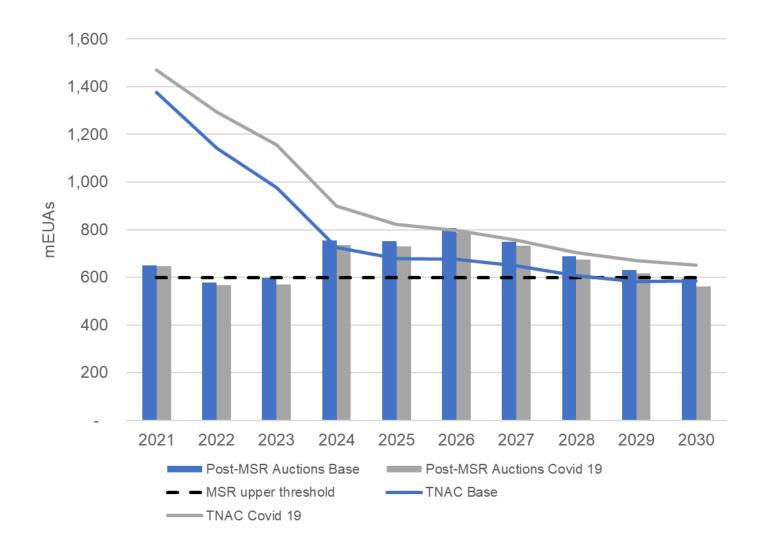
## Market Risk

- MSR keeps tightening the market indiscriminately
- Magnitude of impact heightened if limited industrial abatement
- Increased market tightening in already sensitive market

# **Question for policy makers**

Keep the "Hammer" rate approach?

# The MSR withdrawal rate in time of crisis





## 2021-2030

- TNAC delta lingers across TP4
- Impact on MSR on/off early TP5

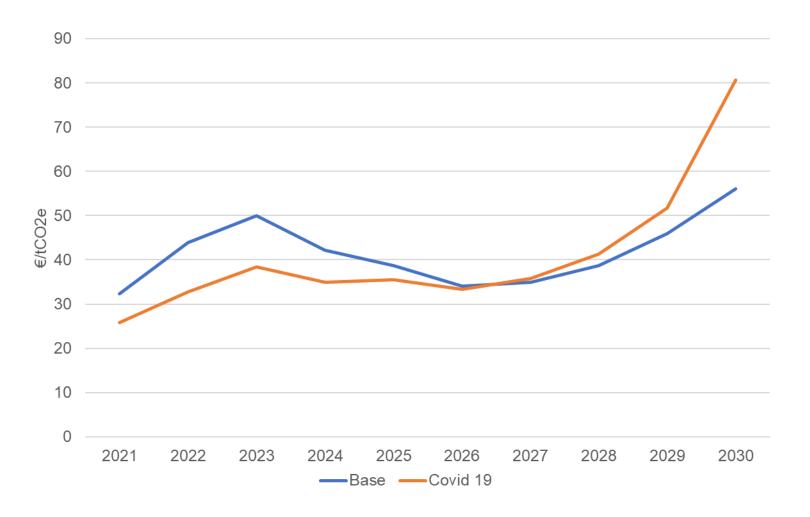
# 2023-2024

 24%-12% switch weakens the MSR firepower

#### \*Graph assumptions:

• 600m threshold, 12% rate from 2024, aviation included from 2024, 2030 target 55%

# **EUA** price impact





## **MARKET IMPACT**

- 6 years for EUA price to recover to Base level
- Covid 19 scenario -€6.7 average price delta vs Base 2021-2026 (peak €12 in 2023)
- EUA price crunch towards end of TP4 as less early industry abatement (and sensitive EUA price)

# **Summary**



# Potential crisis

 Less demand over mid-term (.e.g. Covid 19) or longterm (2008 financial crisis)

# Current MSR withdrawal rate

24%-12%
switch makes
sense in
"normal
times" but is
slow work in
crisis

# Market Risk

- Intertemporal inefficiencies (limited early industrial investment)
- Potential EUA price crunch end of TP4

# **Questions for policy makers**

- Mid-term: How to handle the post-2023 EUA price drop and future market shocks (e.g. Higher rates, dynamic rate, rebasing)
- Long-term: How to handle the risk of longterm industrial abatement shortage towards end of TP4? (e.g. dynamic rate)