Open Forum 2023

Energy Requirements

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World Steel Association
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Antitrust

As worldsteel meetings are also meetings of competitors, antitrust and competition law concerns are paramount and certain areas of discussions must be totally avoided:

• No discussions on current or future pricing, pricing terms or any component of price
• No discussions on current or future production output or current or future capacity or capacity utilisation involving non-public information, or desired capacity or production output or capacity utilisation levels, or coordinated capacity, capacity utilisation or production output increases or decreases
• No discussions on allocating geographical or product markets or customers or classes of customers
• No discussions on concerted actions involving costs (including concerted actions against suppliers)
• No discussions on future raw material prices, price terms or negotiating strategies
• No discussions regarding how to respond to price increases or other charges from suppliers or whether or how to pass on any costs to customers
• No discussion on contemplated trade actions or complaints about trade flows
• No discussion on non-public company-specific forward looking commercial strategies or plans

Visit worldsteel.org\About us for detailed antitrust guidelines.
Session Outline

- Presentation
  - Dr. Valentin VOGL, Analyst, ARIA

- Presentation
  - Mr. Cyril Duchanois, Vice President - OneB2B Solutions- Metals Segment, TotalEnergies
  - Mr. Christian KOULIC, Global Market Executive, TotalEnergies

- Presentation
  - Mr. Bruno GERRITS, Client Engagement Manager, Europe, Global CCS Institute
Energy sources: Current paradigm

Concentrated sources of energy – mined, stored, and used when needed | Supply chains well established
New paradigm

Capture (intermittently) + Storage?

Capture and storage need to move ahead hand in hand
Energy storage – work in progress

Renewable energy is inherently intermittent. Capture is only half the solution – Storage is the key to our needs.

Solar tower

Source: Denis Zhitnik/Shutterstock.com

Pumped hydro

Source: Energy Monitor (energymonitor.ai)
Although coal and natural gas will remain important, hydrogen, renewable energy and biomass are expected to grow significantly.

- How much energy steelmaking needs?
- State of renewable energy
- Bridging the difference between available and required energy
- Moderated discussion, Q&A
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