## Final energy consumption of different steel production routes

2.8 NZE-scrap-EAF 10.8 H<sub>2</sub>-DRI-EAF 10.9 H<sub>2</sub>-DRI-SMELT-BOF 11.9 NG-DRI-SMELT-BOF 12.0 NG-DRI-EAF 13.4 NG-DRI-EAF-CCS 13.7 AEL-EAF 14.8 MOE 15.0 HIsarna-BOF-CCS 22.8 BF-BOF-73% CCS 0 5 10 15 20 25 Charcoal Coking coal Coal Low-carbon hydrogen Electricity Natural gas PCI coal 

Energy requirement [GJ/t of crude steel]

Agora Industry and Wuppertal Institute (2024)