Final energy consumption of different steel production routes

Figure 3

Energy requirement [GJ/t of crude steel]

- NZE-scrap-EAF: 2.8 GJ/t
- H₂-DRI-EAF: 10.8 GJ/t
- H₂-DRI-SMELT-BOF: 10.9 GJ/t
- NG-DRI-SMELT-BOF: 11.9 GJ/t
- NG-DRI-EAF: 12.0 GJ/t
- NG-DRI-EAF-CCS: 12.2 GJ/t
- AEL-EAF: 13.7 GJ/t
- MOE: 14.8 GJ/t
- Hlsarna-BOF-CCS: 15.0 GJ/t
- BF-BOF-73% CCS: 22.8 GJ/t

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