

Summary of key metrics

| Metric | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|----------------|
| Steel production (Mt crude steel) | 113.9 | 102.3 | 73.1 | 92.5 | 92.2 | 88.6 | 90.9 | 93.4 | 92.7 | 90.4 | 92.9 | 91.5 |
| BF-BOF / DRI-EAF / scrap-EAF ratio | 77:8:15 | 77:8:15 | 79:7:15 | 78:7:15 | 79:8:14 | 79:8:13 | 79:8:13 | 80:8:12 | 81:7:11 | 85:6:9 | 84:7:9 | 83:7:10 |
| Total CO ₂ emissions (MtCO ₂) – steel only ^{22,23} | 244 | 227 | 164 | 201 | 194 | 189 | 195 | 196 | 198 | 193 | 196 | 194 |
| Scope 1 | 203 | 189 | 135 | 167 | 163 | 159 | 162 | 167 | 168 | 167 | 170 | 167 |
| Scope 2 | 24 | 23 | 18 | 19 | 18 | 17 | 18 | 14 | 14 | 12 | 13 | 12 |
| Scope 3 | 17 | 15 | 11 | 15 | 13 | 13 | 16 | 14 | 15 | 14 | 13 | 15 |
| Avoided CO ₂ emissions from slag used in cement (MtCO ₂) | 11 | 10 | 7 | 8 | 9 | 9 | 10 | 10 | 10 | 10 | 11 | 11 |
| Avoided CO ₂ emissions from use of scrap steel (MtCO ₂) | 53 | 44 | 33 | 41 | 40 | 38 | 40 | 40 | 38 | 35 | 38 | 37 |
| Average CO ₂ intensity (tCO ₂ / t crude steel) ²⁴ | 2.14 | 2.22 | 2.25 | 2.18 | 2.10 | 2.14 | 2.14 | 2.10 | 2.14 | 2.14 | 2.12 | 2.12 |
| Average BF-BOF CO ₂ intensity (tCO ₂ / t crude steel) | 2.44 | 2.54 | 2.57 | 2.48 | 2.38 | 2.40 | 2.41 | 2.35 | 2.37 | 2.33 | 2.31 | 2.33 |
| Average scrap-EAF CO ₂ intensity (tCO ₂ / t crude steel) | 0.74 | 0.67 | 0.65 | 0.66 | 0.67 | 0.66 | 0.70 | 0.63 | 0.61 | 0.53 | 0.60 | 0.66 |
| Change in crude steel carbon intensity since 2007 (target – 8% by 2020) | 0.0% | 3.3% | 2.6% | 0.3% | -4.3% | -4.1% | -3.3% | -5.8% | -4.1% | -5.2% | -6.2% | -5.6% |
| % sites below ArcelorMittal carbon efficiency benchmark | 13% | 19% | 22% | 28% | 31% | 33% | 30% | 38% | 38% | 42% | 50% | 44% |
| Approvals for energy efficiency capital investment projects (million USD) ²⁵ | – | – | – | – | – | – | – | 180 | 11 | 108 | 373 | 247 |

22 Using worldsteel methodology, which ensures that CO₂ emissions for each tonne of steel are measured for the same set of steelmaking processes, whether or not they are owned by the reporting company.

23 Our mining footprint was under 9 million tonnes CO₂ equivalent in 2018.

24 The boundary for this metric covers all of our sites; it is different to the boundary for our carbon reduction target, which only includes sites we have owned since 2007.

25 Before 2014, reporting on capex approvals was not broken down by type.