

**Table EN10: Rail Greenhouse Gas Emission Intensity, by Type of Operation, 2010–2020**

| <i>Railway Operation</i> | <i>Units</i>                    | <i>2010</i> | <i>2011</i> | <i>2012</i> | <i>2013</i> | <i>2014</i> | <i>2015</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> |
|--------------------------|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Class I Freight          | kg CO <sub>2</sub> eq/1,000 RTK | 16.34       | 16.08       | 15.72       | 14.88       | 14.36       | 14.06       | 13.51       | 13.56       | 13.45       | 13.49       | 12.91       |
| Regional and Short Lines | kg CO <sub>2</sub> eq/1,000 RTK | 14.6        | 14.51       | 12.51       | 12.56       | 14.15       | 13.15       | 12.16       | 14.08       | 15.02       | 14.77       | 15.27       |
| Intercity Passenger      | kg CO <sub>2</sub> eq/Pax-Km    | 0.123       | 0.123       | 0.109       | 0.100       | 0.100       | 0.102       | 0.102       | 0.098       | 0.097       | 0.089       | 0.178       |
| Commuter Rail            | kg CO <sub>2</sub> eq/Pax       | 2.05        | 2.18        | 2.10        | 2.02        | 1.96        | 2.34        | 2.23        | 2.43        | 2.37        | 2.33        | 6.29        |

Notes: RTK = Revenue Tonne Kilometres. Pax-Km = Passenger-Kilometre.

Source: Railway Association of Canada, Locomotive Emissions Monitoring Report 2020