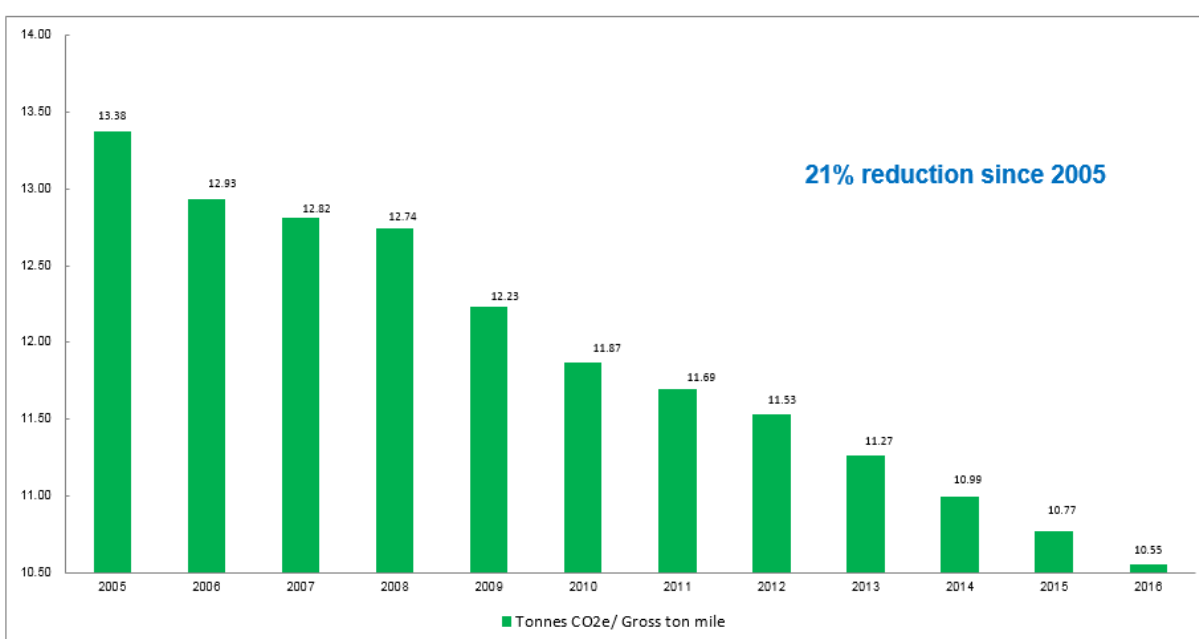


Providing sustainable transportation solutions

As a leader in the North American rail transportation industry, CN recognizes its environmental responsibility to reduce greenhouse gas emissions. Climate change, particularly global warming, poses a threat to natural ecosystems, which in turn has the potential to impact our operations, those of our customers and the economies where we operate.

In addressing climate change, we believe that rail can be an integral part of the solution. Compared to other transportation modes, rail is the most fuel efficient method of moving freight – no land transportation mode can outperform rail for the hauling of large volumes of high-density freight over long distances. Rail also relieves traffic congestion and stress from our strained public infrastructure.

GHG emissions intensity - tonnes CO₂e/GTM



With approximately 84% of our GHG emissions generated from rail operations, emission reduction in this area remains a priority. CN's GHG emissions intensity has been reduced significantly by the unique way we operate the railroad through precision railroading, the purchase of fuel-efficient locomotives and numerous other programs that advance railroad fuel efficiency. CN has reduced GHG emissions intensity (tonnes CO₂e/GTM) for locomotives by 21% since 2005 and 37% since 1996.

Today, CN continues to lead the North American rail industry in fuel efficiency, consuming 15% less fuel per gross-ton-mile overall than the industry average.

GHG emissions summary (tonnes CO₂e)

GHG Sources	2016	2015	2014	2013	2012
Locomotive and operating fleet emissions (Scope 1)	5,064,024	5,368,257	5,534,058	5,087,946	5,059,673
Building emissions (Scope 2)	188,843	193,613	194,065	188,500	154,598
Grand Total	5,252,867	5,561,870	5,728,123	5,276,446	5,214,271

For further details, please reference [CN's CDP report](#).