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Letter to the Editor:

Congratulations to Volvo and Mercedes for promoting steel produced by hydrogen instead of coal and coke ("Volvo hopes 'green steel' will catch on," [autonews.com](https://www.autonews.com), Sept. 25). The article correctly notes that the production of each kilogram of primary steel generates approximately 1.9 kilograms of carbon dioxide. It is another great opportunity for the automotive industry to reduce its global CO2 footprint.

Iron is always under the spotlight, but how about aluminum? According to the International Aluminium Institute, a trade organization representing over 60 percent of global aluminum production, more than 70 percent of aluminum production is based on electricity generated from fossil fuels.

In 2020, China accounted for 57 percent of global aluminum production, approximately 90 percent produced using electricity derived from coal. The Gulf States were the world's second-largest aluminum producer, accounting for nearly 10 percent, all of which was produced using electricity derived from natural gas. The net result: The production of each kilogram of primary aluminum generates more than 10 kilograms of CO2.

Tailpipe legislation ignores manufacturing emissions. It sometimes also unwittingly increases CO2 emissions.

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