

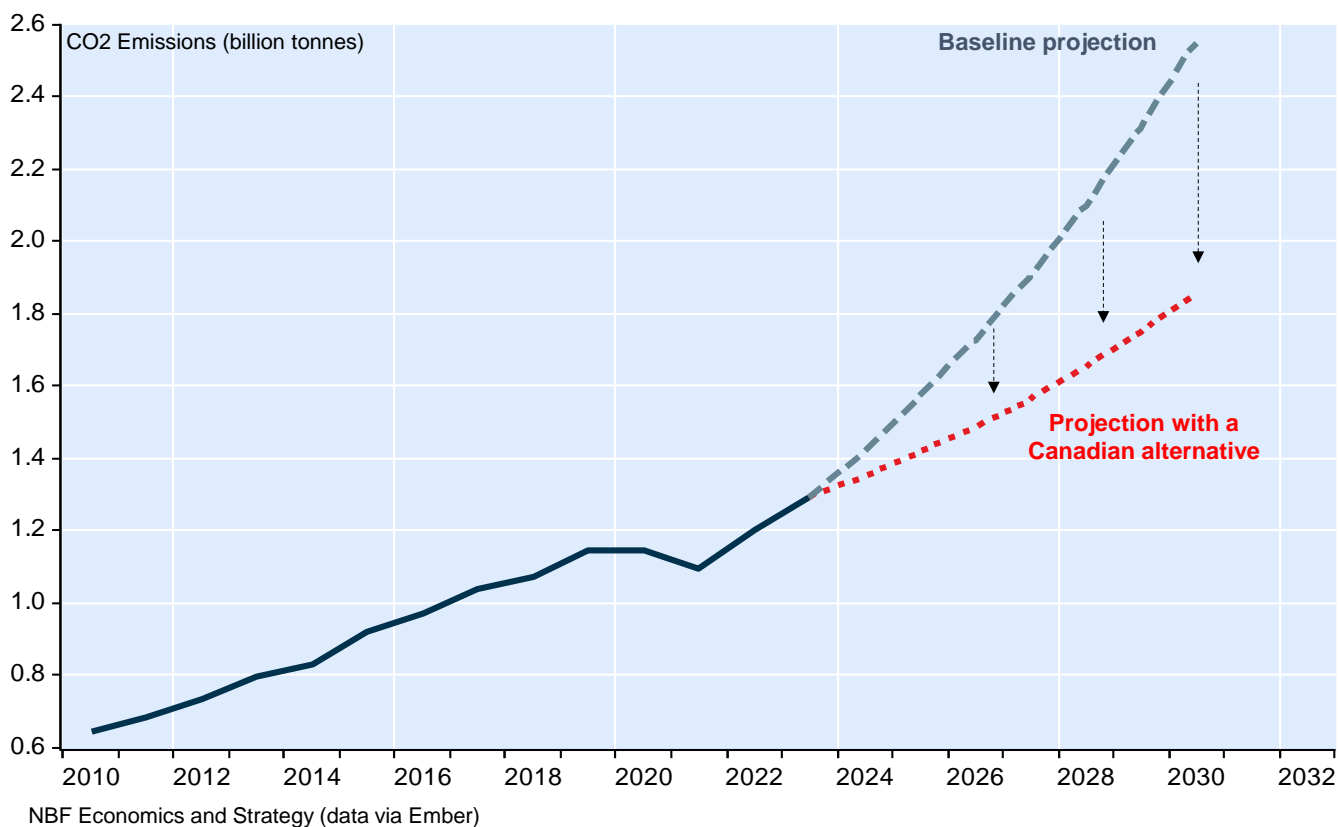
## World Watch

By Stéfane Marion & Baltej Sidhu

India, the world's most populous country, faces massive near-term energy needs to modernize its economy and accommodate a population growth of more than 12 million per year. To meet its requirements, the Indian government recently announced plans to double its coal production by 2030, while also expanding renewable energy options. Unfortunately, the environmental consequences of doubling coal production would have an outsized impact on the global carbon footprint, increasing India's annual power sector emissions from coal and natural gas to 2.3 billion tonnes of CO<sub>2</sub> equivalent by 2030. There has to be a better way for the planet, even if it means supplying India with a fossil fuel alternative. Canada, with its abundant natural gas reserves underpinned by policy and stringent regulation (methane emissions), has a role to play. According to our latest calculations (see the [analysis](#) by Baltej Sidhu), we estimate that partially replacing India's coal-fired power generation with Canadian LNG would have a more profound impact on the planet than shutting down the Canadian economy entirely. As today's Hot Chart shows, the wedge between the curve assuming a doubling of coal production in India's GHG emissions and the curve assuming the emissions of a hypothetical Canadian LNG alternative would prevent a cumulative 2.5 billion tonnes of CO<sub>2</sub> from being released into the atmosphere by 2030, more than 3.5 times Canada's total 2021 GHG emissions profile of 0.7 billion tonnes. If our policymakers are serious about limiting the impacts of global warming and promoting economic reconciliation with our First Nations, there is a compelling and pragmatic business case for Canada to help the planet by working with India to limit its carbon emissions, given that renewable energies will not be easily deployed there by 2030.

### World: Canada has a compelling business case to help the planet

India's power sector emissions (coal + natural gas): 2010 to 2030



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