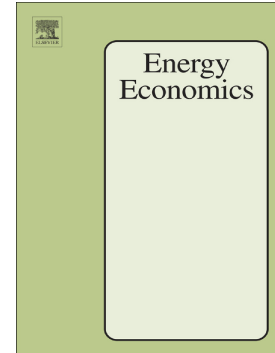


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# Green Growth Planning: A Multi-Factor Energy Input-Output Analysis of the Canadian Economy

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## Abstract

Incorporating socioeconomic and environmental considerations into energy decisions is necessary when tackling climate change and accelerating green growth. In this work, we propose a novel extension of the multi-factor energy input-output model to support evidence-informed energy policy-making and green growth planning through the introduction of eight different multipliers and two green growth indexes. We demonstrate the approach through application at the national scale in Canada. In particular, we quantitatively assess the extent to which changes in final demand impact the domestic and imported primary (and renewable) energy flows, CO<sub>2</sub>

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