

Lithium-Transitioning Away from Fossil Fuels

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Abstract: *Fossil fuels are incredibly polluting, releasing high amounts of carbon dioxide and other greenhouse gasses responsible for the deregulation of the planet's environment. We are constantly in search of alternative and green fuels which will help us solve this problem. Now-a-days lithium metal is emerging and being utilized as a green option. Electric cars are significant contributors to climate protection. Lithium, an alkali metal is now powering the world's growing fleet of power-driven vehicles. It has often been cited as a key element in the transition away from fossil fuels. Lithium carbonate, a key component of lithium-ion batteries leads to sustainable transport and energy. Global development goals about clean energy can be achieved by adopting electric mobility, renewable power, and this will certainly lead circular economy. Lithium is intrinsically linked to those goals. Lithium can and will replace fossil fuels. This paper is a basic theoretical discussion about how this silvery-white metal replaces fossil fuels. The benefits of lithium, its distinguishing properties to make it a green fuel and the environmental impacts of use of lithium as a green energy source. This paper is a short review about the status and possibility of lithium to be used as a major energy source.*

Keywords: lithium, green fuel, sustainable transportation, energy storage and generation

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