

Fossil fuel dependency

"The US continues to actively support and subsidize its fossil fuel industry as it pursues green industrial policies meant to--somehow, on some timeline--transition away from that very industry," Aronoff writes. The energy ...

By reducing its dependence on fossil fuels, Canada can fight climate change and inflation in a way that supports affordability, shielding consumers from energy price fluctuations by transitioning toward the use of clean and efficient energy sources that ...

Indonesia's commitment to the Paris Agreement and its Nationally Determined Contribution (NDC) is not adequately reflected in the significant CO₂ emissions from fossil-fuel-intensive energy sectors, despite the enormous potential of renewable energy sources in the country. The ongoing coal regime has led to electricity oversupply and air pollution problems. ...

This article examines fossil-fuel dependence in the United States with emphasis on the areas of transportation and food. It is argued that fossil-fuel dependence will cause significant social and economic problems in the future and that ongoing usage is a major contributor to mounting environmental degradation. Ultimately, the authors argue ...

Fossil fuel dependency of transport systems at times of global crises The total consumption of fossil fuels, being the main energy source in the transport sector, has increased over the last decades. Especially in lower-middle income countries the demand has risen since the mid-

Fossil fuel dependence and energy insecurity Adam Mayer* Abstract Background: Access to reliable energy services is increasingly seen as a prerequisite for well-being and human ... environmental and health effects of fossil fuel development while often receiving limited direct benefits [59-61]. Energy insecurity at the national scale can be ...

While contemporary use of path dependency and lock-in has arguably been most influential when thinking about entrenchment of fossil fuel infrastructure, there has recently been significant work on the frictions of path dependencies in energy transitions away from fossil fuels (Garvey et al., 2015, Mulvaney, 2019, Bouzarovski et al., 2016).

1 day ago; Market forces alone are insufficient to achieve the necessary emissions reductions. While they have been effective in promoting renewable electricity and EV uptake, they fall ...

Investments in oil, coal, and gas exploration, extraction, and transport have averaged approximately US\$1 trillion annually in recent years and are poised to exceed US\$20 trillion cumulatively from 2017 to 2040 under

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the IEA's New Policies Scenario (IEA 2016, 2017). As with other capital-intensive fossil fuel infrastructure, these investments can deepen carbon lock ...

The global energy crisis fuelled by Russia's war against Ukraine has put a renewed focus on the debate about Europe's and Germany's dependence on imported fossil fuels, and especially their heavy dependence on one single supplier: Russia. Until the end of 2021, Russia was the main supplier of oil and natural gas to the EU.

Curbing the Fossil Fuel Dependency Confluence of Agri-biotech, Nanotechnology & Nuclear Fusion as a Bridge to the Hydrogen Supply Chain Dr Shoumen Palit Austin Datta ... Coal generates 37% of the global fossil-fuel related emissions, in second place, after oil ...

THE COMING OFF FOSSIL FUELS VIDEO. In order to recollect my personal fossil fuel dependencies, I created an autobiographical video. The piece uses the critical practice of transilluminating fossil fuel dependency as a lived and experienced affective relationship to highlight everyday fossil fuel dependencies in my personal history (Uusitalo Citation 2020, ...

Global energy consumption will increase 28% between 2015 and 2040, with fossil fuels still providing the bulk, 77%, of the energy consumption by 2040, according to a new report by the U.S ...

A critical problem in modern civilization is its dependence on fossil fuels which are finite in quantity and rapidly alter the earth's climate when burned at a scale needed to support 7.8 billion people [13,15,34,48]. Although there are compelling reasons to switch from fossil fuels to alternative energy sources, the actual transition is ...

Dependence of Global End Uses on Fossil Fuels (Transportation 2022): International Energy Agency (IEA). Energy Consumption in Transport by Fuel in the Net Zero Scenario, 1975-2030. June 15, 2023. Dependence of Global End Uses on Fossil Fuels (Heat 2022): International Energy Agency (IEA). Heating: Tracking. 2023.

An increase in fossil fuel dependency increases the CIWB, while a decrease in fossil fuel dependency has no effect on the CIWB. To further explore these findings, I disaggregate the CIWB and estimate separate regressions for CO₂ emissions per capita and health-adjusted life expectancy. I find that changes in the energy production-ratio are ...

In order to look further into fossil fuel trade dependency, in this study we traced the dependency of individual countries in the three energy-specific networks in the period 1998-2017. Three countries were identified as important for our analysis: China, for its recent rapid expansion in the world coal imports and consumption; the USA, for ...

In the meantime, how do we use fossil fuels in the most efficient and environmentally responsible way possible? Coal. Coal. In 2015, 33.2% of U.S. electricity came from coal-- roughly equal to natural gas

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(32.7%), but greater than nuclear power (20%) or renewable energy sources (13%).

India's dependence on imported fossil fuels rose to 38% in 2012, despite the country having significant domestic fossil fuel resources. India ranked as the fourth-largest energy consumer in the world in 2011, following China, the United States, and Russia.

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Titled *Boom and Bust: The Fiscal Implications of Fossil Fuel Phase-Out in Six Large Emerging Economies*, the report spotlights heavy dependence on fossil fuel revenues in Brazil, Russia, India, Indonesia, China, and South Africa (BRIICS). It argues that this economic reliance puts BRIICS countries at risk of experiencing a substantial revenue ...

"The US continues to actively support and subsidize its fossil fuel industry as it pursues green industrial policies meant to--somehow, on some timeline--transition away from that very industry," Aronoff writes. The energy transition from fossil fuels to renewables is not only necessary, but must be managed by the state, Aronoff explains.

This paper takes a closer look at the potentially huge economic and fiscal transition costs of global decarbonization in fossil fuel export-dependent economies. The paper identifies 40 heavily fossil fuel dependent economies. It is estimated that these countries will lose more than 60 percent in oil rents alone during the period 2023-2040 under a net-zero 2050 ...



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