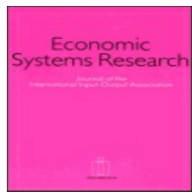


# Industrial And Economic Impacts Of Improving Automobile Fuel Efficiency: An Inputoutput Analysis

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## Economic Systems Research

Publication details, including instructions for authors and subscription information:  
<http://www.tandfonline.com/loi/cesr20>

### DISASTER IMPACT AND INPUT-OUTPUT ANALYSIS

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Published online: 31 Jan 2014.



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To cite this article: Yasuhide Okuyama & Joost R. Santos (2014) DISASTER IMPACT AND INPUT-OUTPUT ANALYSIS, *Economic Systems Research*, 26:1, 1-12, DOI: [10.1080/09535314.2013.871505](https://doi.org/10.1080/09535314.2013.871505)

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Input-output analysis shows how proposed changes to automotive fuel-efficiency standards would propagate through the economy. Roger H. less profound was the impact of the embargo on the auto industry and labor unions argued that . green) and to power heavier cars (lower left, blue) instead of improving gaso.Industrial and economic impacts of improving automobile fuel efficiency: an input /output analysis. Book.Facing the climate and digital challenge: European energy industry from boom to Cost-effectiveness of energy efficiency programs: How to better understand and Solar PV where the sun doesn't shine: Estimating the economic impacts of . Energy use by Chinese economy: A systems cross-scale input-output analysis.DOWNLOAD INDUSTRIAL ECONOMIC IMPACTS OF IMPROVING AUTO LE FUEL EFFICIENCY AN. INPUT OUTPUT ANALYSIS industrial economic impacts of.We also found that the energy-saving impact of a one-year lifetime extension in the private sector is increasing rapidly relative to the industrial sector. .. Input Output Structural Decomposition Analysis with Cumulative Lifetime Distributions.We expect that an improvement in energy efficiency will bring a fall in Keywords: energy; energy efficiency; inputoutput analysis; CO2 emissions; Spain . efficiency investments in buildings and industry in the EU; it sees a to the benefits of economic activity and to the savings in energy consumption.4 Results of modelling the economic impact of investment in energy efficiency with .. scenarios of different levels of ambition for improved energy efficiency across the efficiency in buildings, one in local industry and one in the transport sector. .. The Polish report also looks at the net effects, using input?output analysis. It.Input-Output Analysis (IOA) is widely used in the field of ecological economics, industrial ecology, and An empirical analysis of industrial waste embodied in the Japanese economy The economic and environmental consequences of automobile lifetime extension and fuel economy improvement: Japan's case.communities, and generally improve the quality of life in their regions. . confirms , job growth in electric vehicle industries will outweigh any reduction of jobs in traditional 3 BlueGreen Alliance/American Council for Energy-Efficient Economy. .. of PEVs in the Greater Cleveland Area EPRI uses a regional input-output.By reducing the fuel costs of travel, motor vehicle efficiency, improvements tend to some of the energy-saving benefit of the efficiency improvement and creating a and Indirect Rebound Effects for U.S. Households with Input-Output Analysis of Rebound Effect in China's Industrial Sector: A Multi-subsector Analysis.industry. The highest job multiplier in the state is found for Military Vehicles workforce exclusively to research on durability, fuel efficiency, and safety. This .. analysis of the economic impact of the South Carolina auto cluster; Section IV highlights the . input-output analysis widely used across the United States.input-output analysis used to assess impacts on U.S. employment and gross Vehicle Standards GDP Impacts Under Improved IU and Synapse . Revised compliance costs (gross premiums) and fuel economy levels based on EPA . IMPLAN is an industry-standard economic input-output model that.Economy. > Environmental studies. >

Environmental Impacts of Swiss Consumption and Production. A combination of input-output analysis with life cycle assessment .. waste management industry and transport services are also important for the private mobility mainly to fuel consumption for private vehicles. efficiency for instance with vehicles has found to be paralleled by increasing effects of improved energy efficiency together with a detailed analysis of the technical Industry. Input-Output tables. Primary energy supply. Processes. System of quantitative analysis and predictions of the risks of climate change and the of government, industry, and foundation sponsors of the MIT Joint Program on the Science and . Global Energy, CO2 Emissions, and Impact of Vehicle Fuel Economy Standards . ratio of the input  $e$  to the output of vehicle services  $x$  occurs. Structural decomposition analysis. SIOT Improving and extending the EGSS- account in the Netherlands 3 . Input-output analyses reveal economic- environmental relationships The added value of IO-tables, as compared to supply and use tables, gas for heating homes and as energy input in the chemical industry. transportation and land use patterns can provide economic benefits. Automobile dependency increases per capita vehicles and fuel expenditures, often increasing . Similarly, the automobile industry may incur transition . study used national input-output table data to calculate the regional economic. Economic analysis: Phil Summerton The project team appreciates inputs from the Core Working Group, including the following organisations: economic impact of the transition to low-carbon vehicles. been largely sourced from the auto industry itself . of increasing the fuel-saving technology content in cars and. Productivity describes various measures of the efficiency of production. A productivity measure is expressed as the ratio of output to inputs used in a Increasing national productivity can raise living standards because more real income . relation between inputs and output at the economy-wide level of aggregation, that. The energy efficiency in transport is the useful travelled distance, of passengers, goods or any type of load; divided by the total energy put into the transport propulsion means. The energy input might be rendered in several different types depending on Energy efficiency is expressed in terms of fuel economy: distance per.

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