

**Technical Report Documentation Page**

1. Report No. UMTRI-2011-13		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle Unemployment Rate and Price of Gasoline Predict the Fuel Economy of Purchased New Vehicles				5. Report Date March 2011	
				6. Performing Organization Code 383818	
7. Author(s) Michael Sivak and Brandon Schoettle				8. Performing Organization Report No. UMTRI-2011-13	
9. Performing Organization Name and Address The University of Michigan Transportation Research Institute 2901 Baxter Road Ann Arbor, Michigan 48109-2150 U.S.A.				10. Work Unit no. (TRAIS)	
				11. Contract or Grant No.	
12. Sponsoring Agency Name and Address The University of Michigan Sustainable Worldwide Transportation				13. Type of Report and Period Covered	
				14. Sponsoring Agency Code	
15. Supplementary Notes The current members of Sustainable Worldwide Transportation include Autoliv Electronics, Bosch, FIA Foundation for the Automobile and Society, General Motors, Honda R&D Americas, Meritor WABCO, Nissan Technical Center North America, Renault, and Toyota Motor Engineering and Manufacturing North America. Information about Sustainable Worldwide Transportation is available at: <a href="http://www.umich.edu/~umtriswt">http://www.umich.edu/~umtriswt</a>					
16. Abstract  This study examined the relationship between two economic indicators—the unemployment rate and the price of gasoline—and the fuel economy of purchased new vehicles. A regression analysis was performed on U.S. monthly data from October 2007 through February 2011. The main finding is that the fuel economy of purchased new vehicles can be well predicted from the unemployment rate and the price of gasoline.					
17. Key Words fuel economy, purchased new vehicles, unemployment, price of gasoline				18. Distribution Statement Unlimited	
19. Security Classification (of this report) None		20. Security Classification (of this page) None		21. No. of Pages 8	22. Price