

The Human Earth (MAE 124/ESYS 103)

Lecture 13

Transportation

Biofuels

<http://www.cartoonistgroup.com/store/add.php?iid=11777>

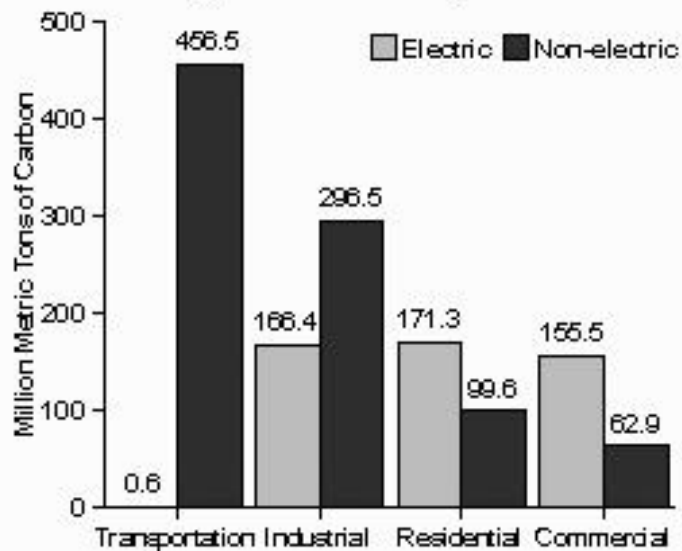
Gas Prices

http://replacementsneeded.tripod.com/imagelib/sitebuilder/misc/show_image.html?linkedwidth=actual=&

<http://replacementsneeded.tripod.com/id30.html>

Carbon emissions by energy sector

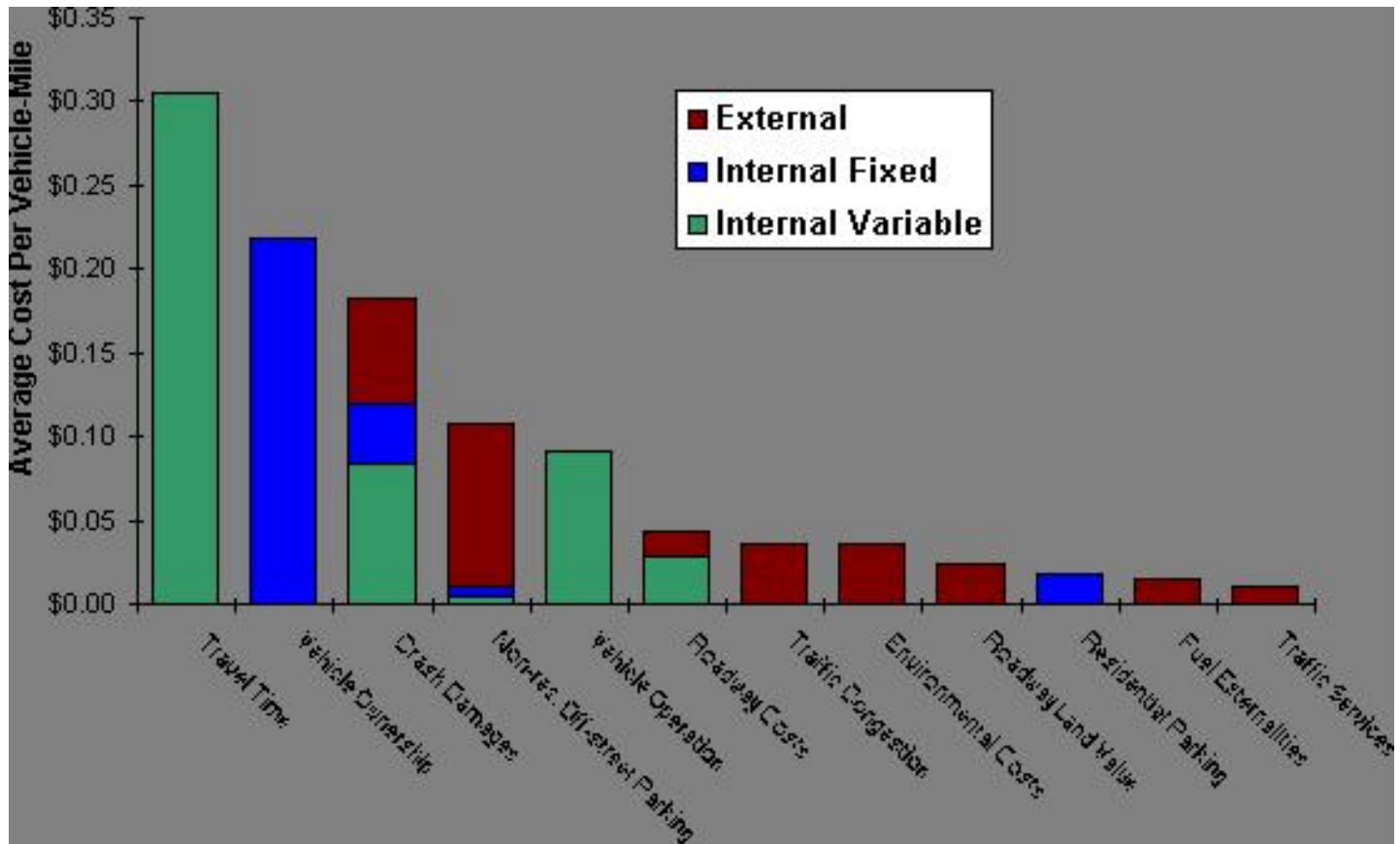
Figure 4. Carbon Dioxide Emissions from Electric and Non-electric Sources by Energy End-Use Sector, 1995



Source: Estimates presented in this chapter.

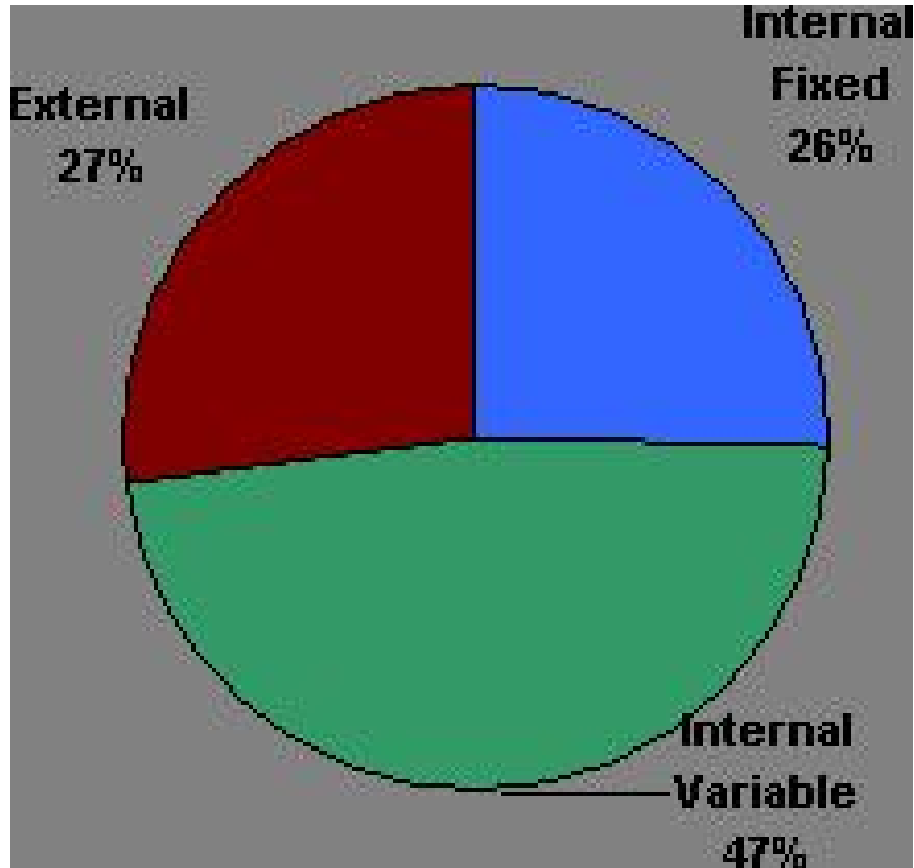
<http://www.eia.doe.gov/oiaf/1605/gg96rpt/chap2.html>

Costs of vehicle ownership



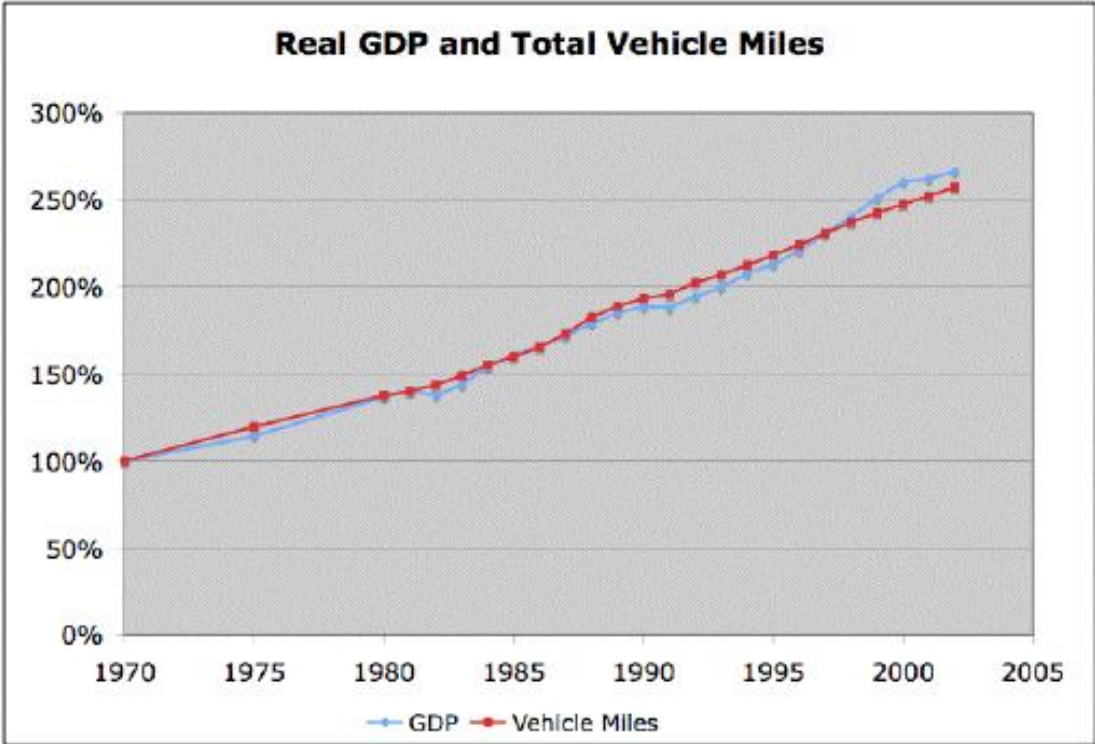
<http://www.vtpi.org/tm/tm66.htm>

Fractional distribution of vehicle costs



<http://www.vtppi.org/tdm/tdm66.htm>

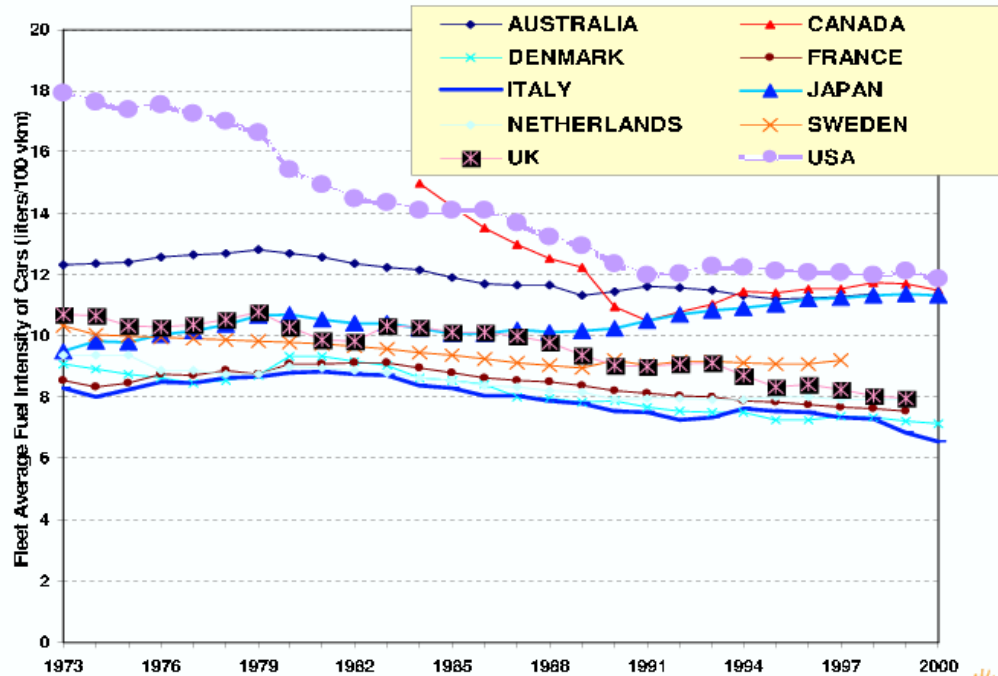
GDP and Vehicle Miles



<http://www.deadparrots.net/archives/economics/0510.html>

Global Fuel Efficiency

Real Automobile Fuel Intensity – All Fuels



CHINA NEEDS SYSTEM FOR MONITORING FUEL ECONOMY



Global Fuel Efficiency (New Cars)

Trends in New Car Fuel Intensity

