

The Environmental Impact of Driving

4,500 lbs.
carbon dioxide (CO₂)

160 lbs.
carbon monoxide (CO)

16 lbs.
volatile organic compounds
(VOCs)

16 lbs.
nitrogen oxide (NOx)

Smaller amounts of **benzene**,
formaldehyde, **particulate matter**
and other **toxic materials**

Amounts emitted by a
typical car traveling an
18-mile round-trip
commute, 5 days a
week, 48 weeks a year.



City of Cambridge

Community Development Department
Environmental and Transportation Planning Division

Sources: Metro Commuter Services
American Automobile Association
Arkansas Department of Environmental Quality

The REAL COST of Driving Alone

(A WORKSHEET)



CitySmart



FAST. FLEXIBLE. FUN.

The REAL Cost of Driving Alone

Get your calculator ready, and find out how much money you could save by using an alternative transportation mode!

1. Miles

Enter your total annual mileage here (for reference)	Total daily roundtrip miles to work/school	X	Number of days worked per week	X	Number of weeks worked per year	=	Total annual commute miles
		X		X		=	

2. Gasoline

Gasoline cost per gallon	$\div$	Vehicle miles per gallon	=	Gasoline cost per mile
	$\div$		=	

3. Maintenance and Repair (including tire costs)

Choose the vehicle type, below, that most closely matches your vehicle (2011 AAA statistics):

Honda Civic	(small sedan)	\$0.048 per mile
Ford Fusion	(medium sedan)	\$0.054 per mile
Nissan Maxima	(large sedan)	\$0.060 per mile
Ford Explorer	(SUV)	\$0.059 per mile
Dodge Grand Caravan	(minivan)	\$0.053 per mile

4. Insurance, License and Registration

Annual insurance cost	+	Annual license & registration fees	$\div$	Total annual miles driven	=	Insurance, license, & registration cost per mile
	+		$\div$		=	

5. Depreciation (For a sedan the average is 25 cents/mile and 31 cents/mile for SUV or minivan based on 15,000mi/year)

Vehicle purchase price	-	Projected trade-in value	$\div$	Years vehicle will be owned	$\div$	Annual miles driven	=	Depreciation per mile
[(	-	)	$\div$	]	$\div$		=	

6. Total Annual Driving Costs

Gasoline cost per mile	+	Maintenance & repair cost per mile	+	Insurance, license & registration cost per mile	+	Depreciation cost per mile	=	Driving costs per mile
	+		+		+		=	

Driving cost per mile	X	Annual miles driven	=	Total annual driving costs
	X		=	(The 2011 AAA average is \$9,400 based on 15,000mi/year)

7. Total Commute-Related Driving Costs

Driving cost per mile	X	Total annual commute miles	+	Annual parking fees at work/school	=	Total annual cost of drive-alone commuting
(	X	)	+		=	