The Environmental Impact of Driving

4,500 lbs. carbon dioxide (CO<sub>2</sub>)

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





#### **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

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

1.	<b>Miles</b>

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	÷	Vehicle miles per gallon	=	Gasoline cost per mile
	÷		=	

#### **3. Maintenance and Repair** (including tire costs)

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

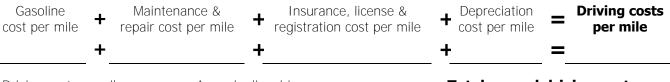
criticie type, below, that most ele	scry materies your ve	1111010 (2011 11/1/1 Statistic
Honda Civic	(small sedan)	\$0.048 per mile
Ford Fusion	(medium sedan)	\$0.054 per mile
Nissan Maxima	(large sedan)	\$0.060 per mile
Ford Explorer	(SUV)	\$0.059 per mile
Dodge Grand Caravan	(minivan)	\$0.053 per mile

### 4. <u>Insurance, License and Registration</u>

Annual insurance cost	+ Annual license registration fee		otal annual niles driven	Insurance, license, & registration cost per mile
5. <u>Depreciat</u>	<b>ion</b> (For a sedan the avera	age is 25 cents/mile	and 31 cents/mile for SU	V or minivan based on 15,000mi/year)
Vehicle <b>–</b> purchase price	Projected + trade-in value	Years vehicle will be owned	Annual miles driven	= Depreciation per mile

# 6. <u>Total Annual Driving Costs</u>

[(



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

X =

### 7. <u>Total Commute-Related Driving Costs</u>

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