

# RIDE TO WORK

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THE DAILY RIDER



## MOTORCYCLE TRANSPORTATION FACT SHEET

### **NUMBER OF MOTORCYCLES COMMUTING**

Out of a total 129,141,982 commuters in this country (USA, 2003) 147,703 of them ride motorcycles to work regularly. That's only .11 percent.

—US Census Bureau

Of all the motorcycles registered in the USA, (6,567,197) 4.3% of them are used for year-round primary transportation (282,389), with an additional 9.9% used seasonally for this purpose (932,542 total).

—Motorcycle Industry Council

### **NUMBER OF MOTORCYCLES ON THE ROAD**

As of 2003, there were 5,370,000 motorcycles regularly in use in the United States.

—US Department of Transportation, Bureau of Transportation Statistics

As of 2003, these 5,370,000 motorcycles traveled an average of 1,800 miles a year per motorcycle (9,539,000,000 total miles).

—US Department of Transportation, Bureau of Transportation Statistics

### **TRAFFIC CONGESTION**

The average roadway delay per person in 2001 was 26 hours per year and in 2003 it was 47 hours per year, an increase of 81%. The average commute time one way is 25 minutes.

—Texas Transportation Institute

### **JOURNEY TIMES**

The average United States driver travels 29 miles per day and is driving a total of 55 minutes per day. (This is an average vehicle speed of 32 mph.)

—US Department of Transportation, Bureau of Transportation Statistics

Tests comparing car and motorcycle performance on real journeys suggest that traveling by motorcycle can shorten journey times by as much as 33 minutes of every hour for town centre and city travel, and 20 minutes of every hour for travel through a mixture of built-up and non built-up areas.

—Motorcycle Industry Association (UK)

## POTENTIAL AGGREGATE BENEFIT

Motorcycles cover 1-2% of the total distance traveled by road, and cars cover 86%. If 2% of car commuters switched to motorcycles or scooters, the current level of motorcycle utility use would effectively double.

—*Motorcycle Industry Association (UK)*

Average 2002 annual household private vehicle expense is \$7,371. This is divided into \$3,665 for vehicle purchases, \$1,235 for gas and oil and \$2,471 for insurance and misc.

—*US Department of Labor Statistics, Consumer Expenditure Survey*

## PARKING SPACES

3 - 5 motorcycles fit per automobile parking space.

—*Ride to Work*

## TOTAL FUEL CONSUMPTION - 2003

Motorcycles: 191 million gallons (50.1 avg mpg x 1,800 miles per year per motorcycle)

Passenger Cars: 74,590 million gallons (22.3 avg mpg x 13,000 miles per year per car)

Light Truck/SUV: 56,302 million gallons (17.7 avg mpg x 13,000 miles per year per Lt Trk / SUV)

—*US Dept of Transportation, Bureau of Travel Statistics*

## NORMAL WEEKDAY MOTORCYCLE COMMUTING DAY FUEL USED (estimated)

150,000 commuting motorcycles x 5 mi average commute distance x 2 (both ways) = 1,500,000 motorcycle commuting miles per day. 1,500,000 motorcycle commuting miles @ 50 mpg (avg) = 30,000 gallons per commuting day.

100,000,000 commuting passenger cars, light trucks and SUV's x 6 mi average commute distance x 2 (both ways) = 1,200,000,000 car, light truck and SUV commuting miles per day. 1,200,000,000 car, light truck and SUV commuting miles at 20 mpg (avg) = 60,000,000 gallons per day.

## RIDE TO WORK DAY FUEL SAVINGS (estimated)

150,000 motorcycles use 30,000 gallons per normal commuting day x 2 (an estimated 150,000 added motorcycles on Ride to Work Day) = 60,000 gallons used by motorcycles on Ride to Work Day. 60,000 gallons used on Ride to Work Day - 30,000 gallons used by motorcycles on a normal commuting day = 30,000 additional gallons used by motorcycles on Ride to Work Day.

On Ride to Work Day, there are an estimated 150,000 additional Ride to Work Day commuting motorcycles and 150,000 less commuting car, light truck and SUV's. A 6 mile (avg) commute x 2 (both ways) x 150,000 commuting car, light truck and SUV's = 1,800,000 car, light truck and SUV miles. 1,800,000 car, light truck and SUV miles / 20 mpg (avg) = 90,000 gallons. 90,000 less car, truck and SUV gallons - 30,000 more gallons used on Ride to Work Day = 60,000 less gallons of fuel used on Ride to Work Day. If every work day were Ride to Work Day, 60,000 gallons saved x 250 work days = 15,000,000 less gallons used per year.