

# MINNESOTA

## TRANSPORTATION BY THE NUMBERS

### TRANSPORTATION INFRASTRUCTURE



### MAJOR AIRPORTS

9

Includes Federal Aviation Administration Part-139 public use airports.

### MAJOR WATER PORTS

4

Includes ports ranked in the top 150 ports by tonnage in 2013.

### MILES OF PUBLIC ROAD

138,767

Roads with acceptable pavement ride quality based on International Roughness Index, 2013:

Minnesota	89.7%
United States	80.4%

### BRIDGES

12,884

Bridges classified as functionally obsolete, 2013:

Minnesota	2.8%
United States	13.7%

Bridges classified as structurally deficient, 2013:

Minnesota	6.4%
United States	10.1%

### MILES OF FREIGHT RAILROAD

4,450

### MILES OF WATERWAY

260

### BORDER PORTS OF ENTRY

7

### NUMBER OF MPOs

8



## POPULATION

**5.4m** ▲ 7.3%  
2013 2003-2013

## EMPLOYMENT

**2.5m** ▲ 5.7%  
2013 2003-2013

## LICENSED DRIVERS

**3.3m** ▲ 9.7%  
2013 2003-2013

## REGISTERED VEHICLES

**5.2m** ▲ 15.3%  
2013 2003-2013

## TRANSIT RIDERSHIP

**103.6m** ▲ 30.5%  
2013 2003-2013

## AIR CARRIER ENPLANEMENTS

**16.6m** ▲ 0.9%  
2013 2003-2013

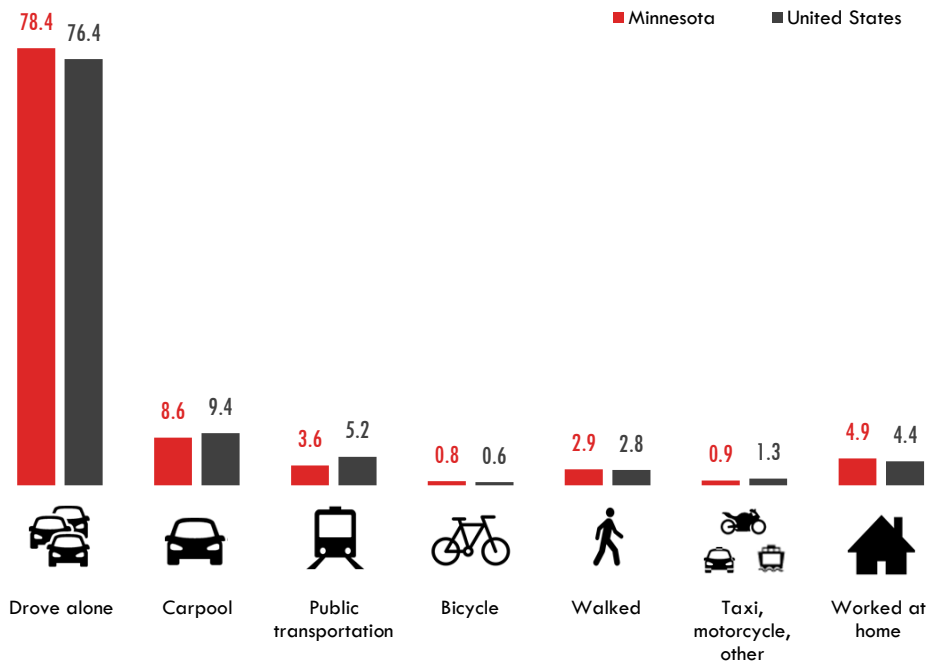
## HIGHWAY TRAVEL

Billions of vehicle miles traveled, 2003-2013



## HOW RESIDENTS GET TO WORK

Percentage of workers over age 16, 2013



## AVERAGE DAILY PERSON MILES

Miles per person per day, 2009



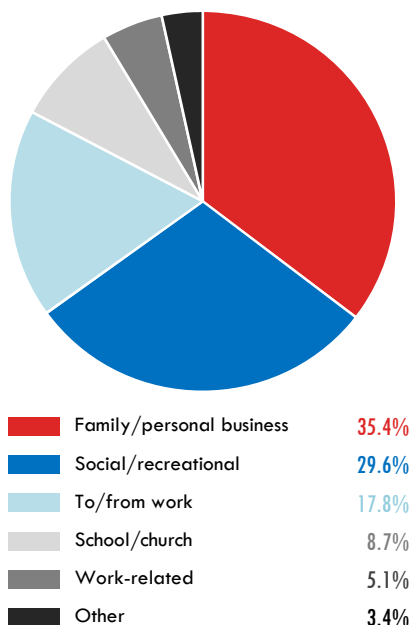
## AVERAGE DAILY PERSON TRIPS

Trips per person per day, 2009



## PASSENGER TRAVEL BY TRIP PURPOSE

Percentage of annual person trips, 2009



## TRANSPORTATION INDUSTRY JOBS

**77,561** ▲ 0.4%  
2013 2003-2013

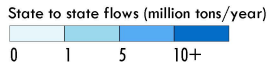
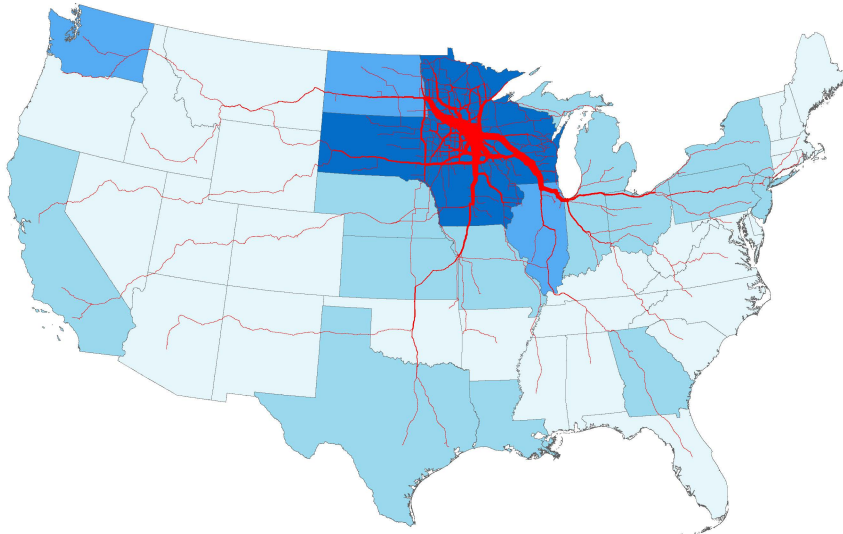
Truck transportation  
**26,402** ▲ 20.2%

Transit and ground passenger transportation  
**14,383** ▲ 12.4%

Couriers and messengers  
**9,806** ▲ 1.6%

Support activities for transportation  
**6,554** ▲ 6.8%

## MAJOR TRUCK FREIGHT FLOWS TO, FROM, AND WITHIN MINNESOTA, 2010



## VALUE OF FREIGHT FLOW

**\$492.1b** ▲ 8.2%  
Current dollars, 2013      2007-2013

## TONS OF FREIGHT FLOW

**671.5m** ▲ 8.6%  
2013      2007-2013

## TON-MILES OF FREIGHT FLOW

**324.8b** ▲ 9.7%  
2013      2007-2013

## STATE GROSS DOMESTIC PRODUCT

**\$307.3b** ▲ 21.3%  
Current dollars, 2013      2003-2013

## TOP COMMODITIES SHIPPED FROM MINNESOTA

By **value** moved in billions of current dollars, 2013

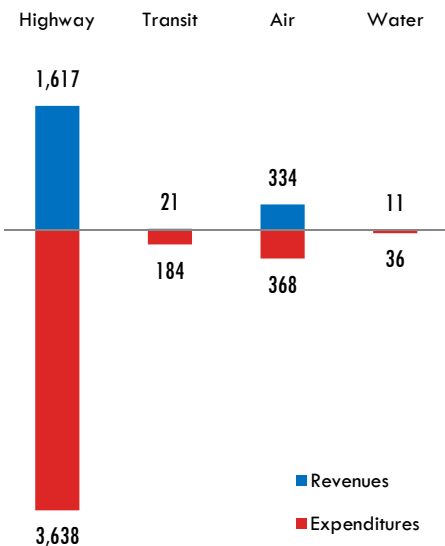
By **weight** moved in millions of tons, 2013

Precision instruments	\$16.8
Electronics	\$16.5
Coal-n.e.c.	\$11.4
Misc. mfg. prods.	\$11.3
Machinery	\$9.7

Cereal grains	44.5
Metallic ores	44.0
Coal-n.e.c.	18.0
Other ag prods.	12.8
Other foodstuffs	8.8

## STATE AND LOCAL GOVERNMENT TRANSPORTATION REVENUES AND EXPENDITURES

Millions of current dollars, 2012



## TOP COMMODITIES SHIPPED TO MINNESOTA

By **value** moved in billions of current dollars, 2013

By **weight** moved in millions of tons, 2013

Electronics	\$14.7
Motorized vehicles	\$11.6
Mixed freight	\$9.9
Coal-n.e.c.	\$9.5
Machinery	\$9.1

Cereal grains	18.5
Coal	17.4
Gravel	13.0
Coal-n.e.c.	10.7
Crude petroleum	5.8

## TOP COMMODITIES SHIPPED WITHIN MINNESOTA

By **value** moved in billions of current dollars, 2013

By **weight** moved in millions of tons, 2013

Machinery	\$19.7
Gasoline	\$16.4
Mixed freight	\$11.5
Cereal grains	\$8.8
Crude petroleum	\$8.8

Cereal grains	90.6
Gravel	32.4
Nonmetal min. prods.	22.1
Animal feed	22.0
Gasoline	21.1

## RAIL FATALITIES

**11** ▼ -35.3%  
2013 2003-2013

## TRANSIT FATALITIES

**6** — 0.0%  
2013 2003-2013

## RECREATIONAL BOAT FATALITIES

**12** ▼ -29.4%  
2013 2003-2013

## HIGHWAY FATALITIES

**387** ▼ -40.9%  
2013 2003-2013

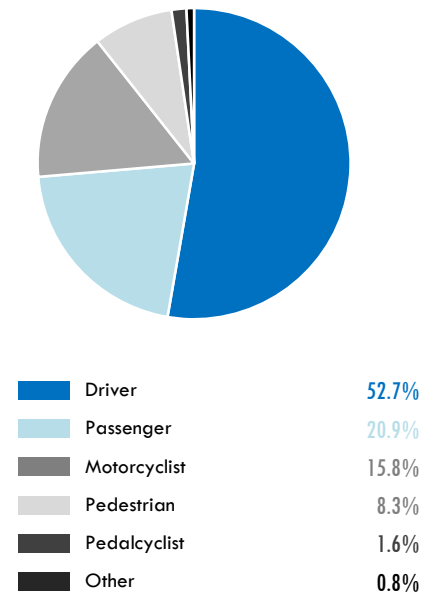
## HIGHWAY FATALITY RATE

Fatalities per 100 million vehicle miles traveled, 2013

Minnesota 0.68

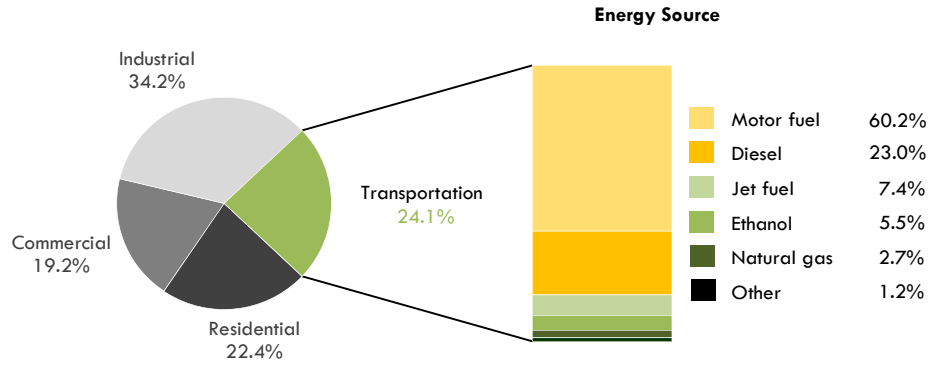
United States 1.09

## HIGHWAY FATALITIES BY PERSON



## ENERGY USE BY SECTOR

Percent of Btu consumed, 2013



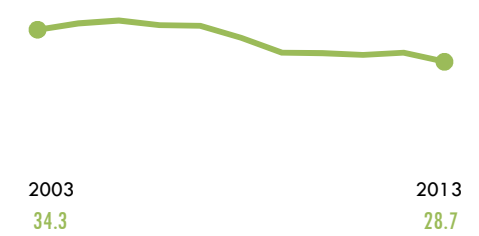
## TRANSPORTATION ENERGY USE

Trillion Btu consumed, 2003-2013



## TRANSPORTATION EMISSIONS

Million metric tons of CO<sub>2</sub>, 2003-2013



## TRANSPORTATION ENERGY USE PER CAPITA

Million Btu per capita, 2013



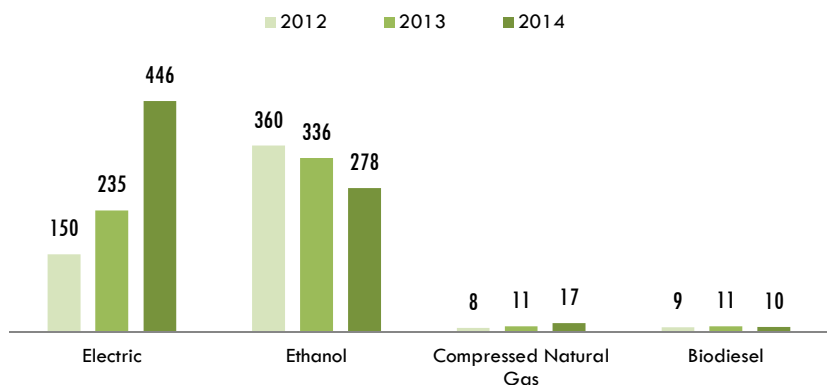
## MOTOR FUEL USE PER CAPITA

Gallons per capita, 2013



## ALTERNATIVE FUEL STATIONS

Number of stations, 2012-2014



SOURCES: **Infrastructure map, water ports, border ports**—U.S. Department of Transportation, Bureau of Transportation Statistics, *National Transportation Atlas Database 2014*. **Airports**—U.S. Department of Transportation, Federal Aviation Administration, *Administrator's Fact Book*. **Employment**—U.S. Census Bureau, County Business Patterns. **Passenger travel by trip purpose, average daily travel**—U.S. Department of Transportation, National Household Travel Survey. **Freight map and data**—U.S. Department of Transportation, Federal Highway Administration, Freight Analysis Framework. **State GDP**—U.S. Department of Commerce, Bureau of Economic Analysis. **Highway fatalities**—U.S. Department of Transportation, National Highway Traffic Safety Administration. **All other data**—As cited in U.S. Department of Transportation, *State Transportation Statistics 2015*, available at [www.bts.gov](http://www.bts.gov).