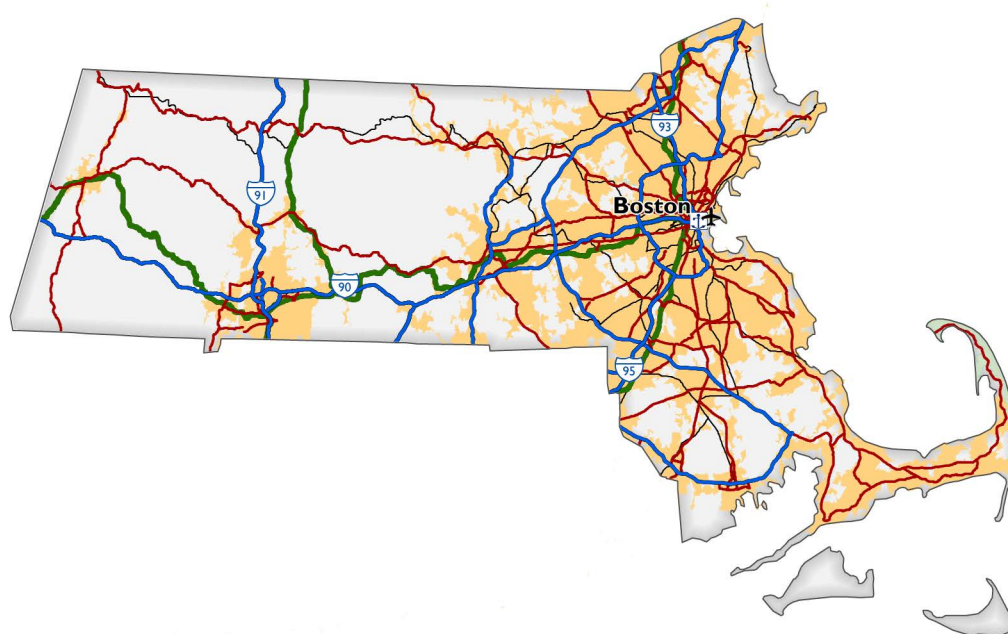


MASSACHUSETTS

TRANSPORTATION BY THE NUMBERS

TRANSPORTATION INFRASTRUCTURE



0 20 Miles

- Interstate
- U.S., state, and county route
- Amtrak rail network
- Railroad network

MAJOR AIRPORTS

8

- BED
- BOS
- HYA
- ACK
- CEF
- MVY
- BAF
- ORH

Includes Federal Aviation Administration Part-139 public use airports.

MAJOR WATER PORTS

2

- Boston
- Fall River

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

MILES OF PUBLIC ROAD

36,370

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

Massachusetts	70.0%
United States	80.4%

BRIDGES

5,137

Bridges classified as functionally obsolete, 2013:

Massachusetts	43.3%
United States	13.7%

Bridges classified as structurally deficient, 2013:

Massachusetts	8.9%
United States	10.1%

MILES OF FREIGHT RAILROAD

973

NUMBER OF MPOs

10

MILES OF WATERWAY

90



POPULATION

6.7m ▲ 4.5%
2013 2003-2013

EMPLOYMENT

3.1m ▲ 3.0%
2013 2003-2013

LICENSED DRIVERS

4.8m ▲ 2.6%
2013 2003-2013

REGISTERED VEHICLES

5.0m ▼ -9.0%
2013 2003-2013

TRANSIT RIDERSHIP

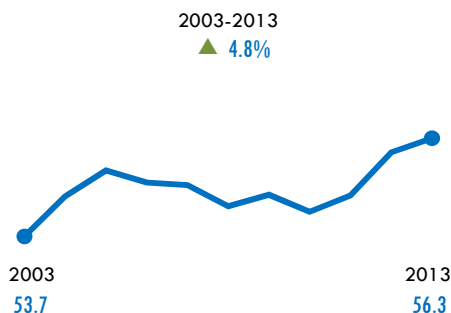
424.7m ▲ 2.3%
2013 2003-2013

AIR CARRIER ENPLANEMENTS

15.1m ▲ 32.4%
2013 2003-2013

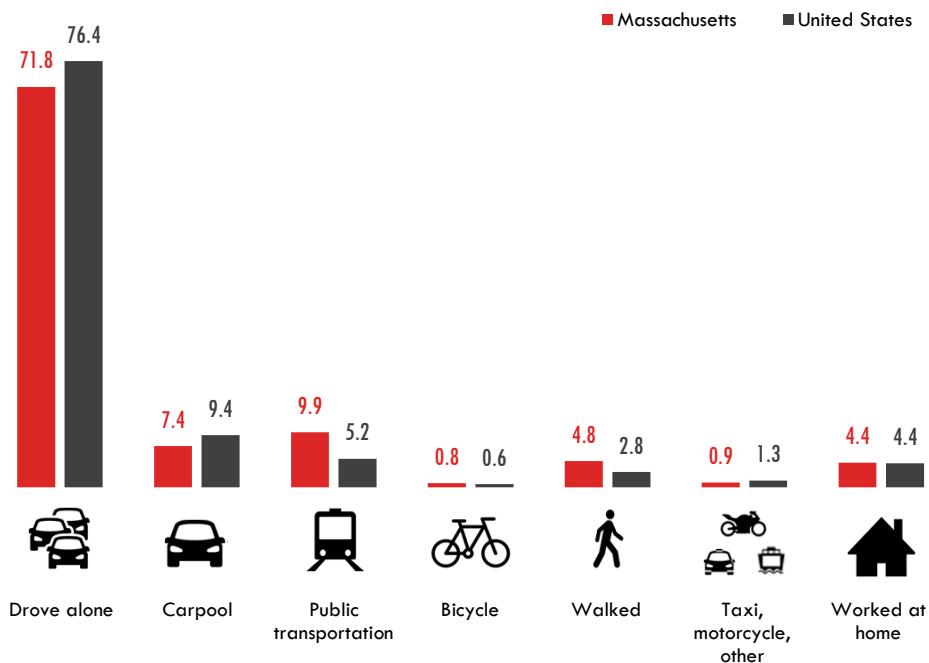
HIGHWAY TRAVEL

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



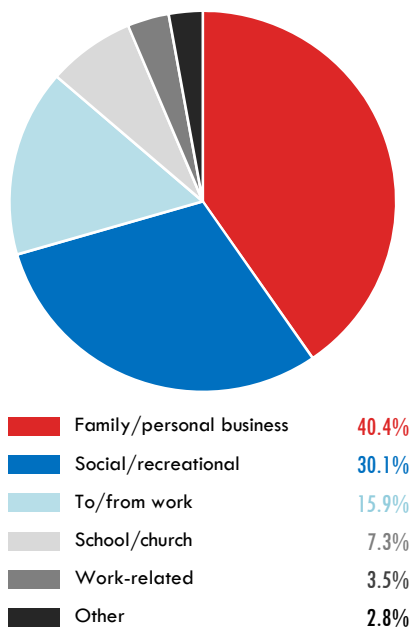
AVERAGE DAILY PERSON TRIPS

Trips per person per day, 2009



PASSENGER TRAVEL BY TRIP PURPOSE

Percentage of annual person trips, 2009



TRANSPORTATION INDUSTRY JOBS

77,211 ▼ -0.5%
2013 2003-2013

Transit and ground passenger transportation

23,457 ▲ 28.8%

Truck transportation

15,763 ▼ -6.4%

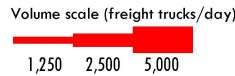
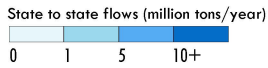
Couriers and messengers

11,379 ▲ 2.5%

Air transportation

7,683 ▼ -24.5%

MAJOR TRUCK FREIGHT FLOWS TO, FROM, AND WITHIN MASSACHUSETTS, 2010



VALUE OF FREIGHT FLOW

\$436.1b ▲ 3.6%
Current dollars, 2013 2007-2013

TONS OF FREIGHT FLOW

290.1m ▲ 4.3%
2013 2007-2013

TON-MILES OF FREIGHT FLOW

86.7b ▲ 7.2%
2013 2007-2013

STATE GROSS DOMESTIC PRODUCT

\$441.5b ▲ 22.0%
Current dollars, 2013 2003-2013

TOP COMMODITIES SHIPPED FROM MASSACHUSETTS

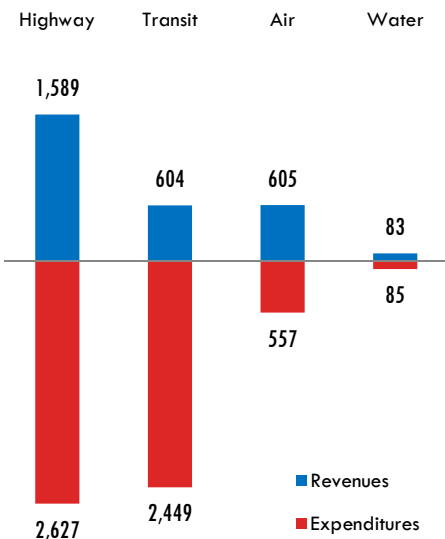
By **value** moved in billions of current dollars, 2013

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

Electronics	\$21.6	Gasoline	8.2
Mixed freight	\$12.4	Coal-n.e.c.	5.6
Pharmaceuticals	\$11.9	Waste/scrap	5.5
Misc. mfg. prods.	\$10.3	Nonmetal min. prods.	4.1
Precision instruments	\$9.8	Mixed freight	3.9

STATE AND LOCAL GOVERNMENT TRANSPORTATION REVENUES AND EXPENDITURES

Millions of current dollars, 2012



TOP COMMODITIES SHIPPED TO MASSACHUSETTS

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

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

Electronics	\$18.7	Coal-n.e.c.	9.6
Mixed freight	\$11.9	Other foodstuffs	5.0
Textiles/leather	\$11.2	Basic chemicals	4.2
Motorized vehicles	\$9.8	Wood prods.	4.0
Misc. mfg. prods.	\$9.0	Nonmetal min. prods.	3.4

TOP COMMODITIES SHIPPED WITHIN MASSACHUSETTS

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

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

Machinery	\$21.0	Coal-n.e.c.	27.5
Pharmaceuticals	\$12.3	Gravel	27.2
Mixed freight	\$11.6	Waste/scrap	25.2
Gasoline	\$10.7	Gasoline	15.3
Electronics	\$9.6	Nonmetal min. prods.	13.2

RAIL FATALITIES

7
2013 2003-2013 ▼ -41.7%

TRANSIT FATALITIES

13
2013 2003-2013 ▲ 30.0%

RECREATIONAL BOAT FATALITIES

12
2013 2003-2013 ▲ 50.0%

HIGHWAY FATALITIES

326
2013 2003-2013 ▼ -29.4%

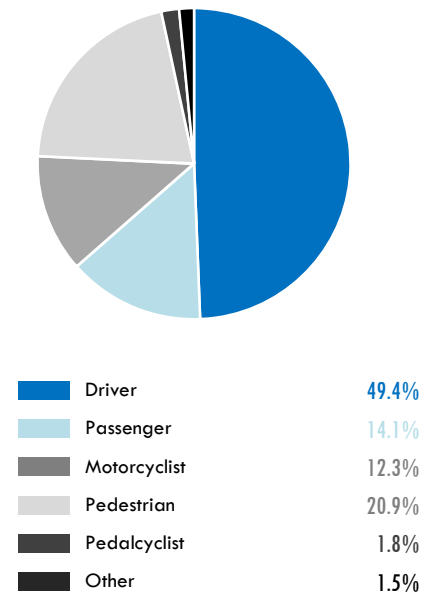
HIGHWAY FATALITY RATE

Fatalities per 100 million vehicle miles traveled, 2013

Massachusetts 0.58

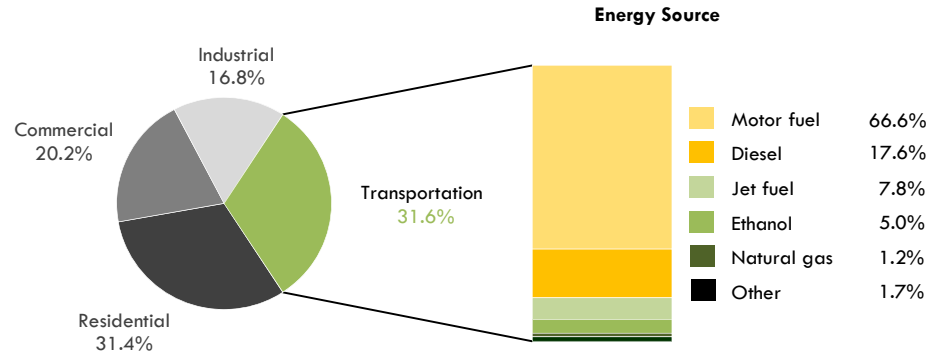
United States 1.09

HIGHWAY FATALITIES BY PERSON



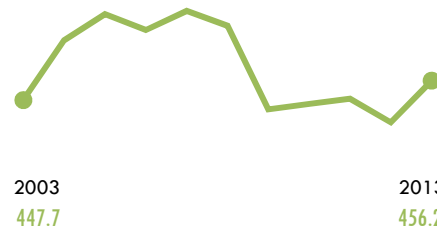
ENERGY USE BY SECTOR

Percent of Btu consumed, 2013



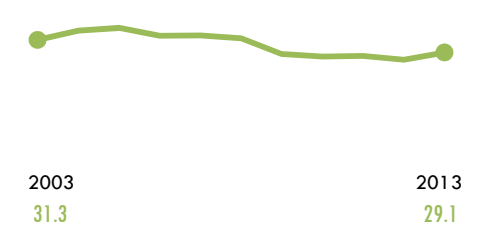
TRANSPORTATION ENERGY USE

Trillion Btu consumed, 2003-2013



TRANSPORTATION EMISSIONS

Million metric tons of CO₂, 2003-2013



TRANSPORTATION ENERGY USE PER CAPITA

Million Btu per capita, 2013



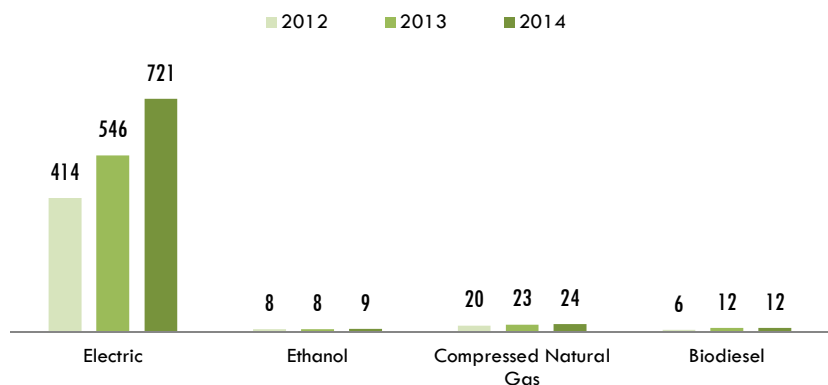
MOTOR FUEL USE PER CAPITA

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.