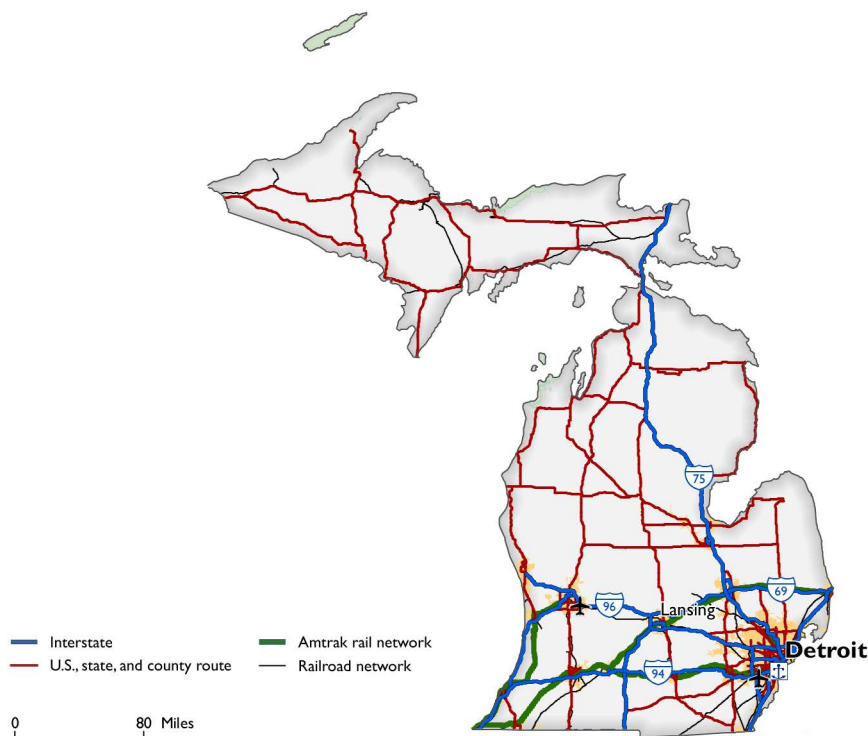


Michigan

Transportation by the Numbers

Transportation Infrastructure



Major Airports

8

Includes Federal Aviation Administration Part-139 public use airports.

Major Water Ports

12

Includes ports ranked in the top 150 ports by tonnage in 2017.

Border Ports of Entry

4

Miles of Public Road

122,164

ROAD CONDITION
Good or Fair 77.2%

Roads with acceptable pavement ride quality based on International Roughness Index

Bridges

11,228

BRIDGE DECK AREA CONDITION
Good 35.4%
Fair 55.3%
Poor 9.3%

Miles of Freight Railroad

2,417

Number of MPOs

13

POPULATION

10.0m

2019

▲ 0.9%

2009-2019

EMPLOYMENT

4.3m

2018

▲ 6.6%

2008-2018

LICENSED DRIVERS

7.2m

2018

▲ 0.5%

2008-2018

REGISTERED VEHICLES

8.5m

2017

▲ 4.0%

2007-2017

TRANSIT RIDERSHIP

92.3m

2018

▼ -10.2%

2008-2018

AIR CARRIER ENPLANEMENTS

20.3m

2018

▲ 4.9%

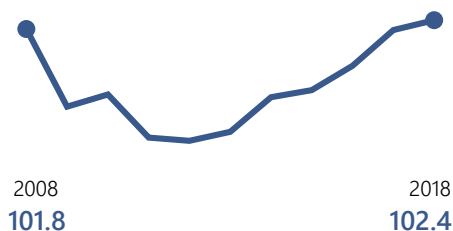
2008-2018

HIGHWAY TRAVEL

Billions of vehicle miles traveled

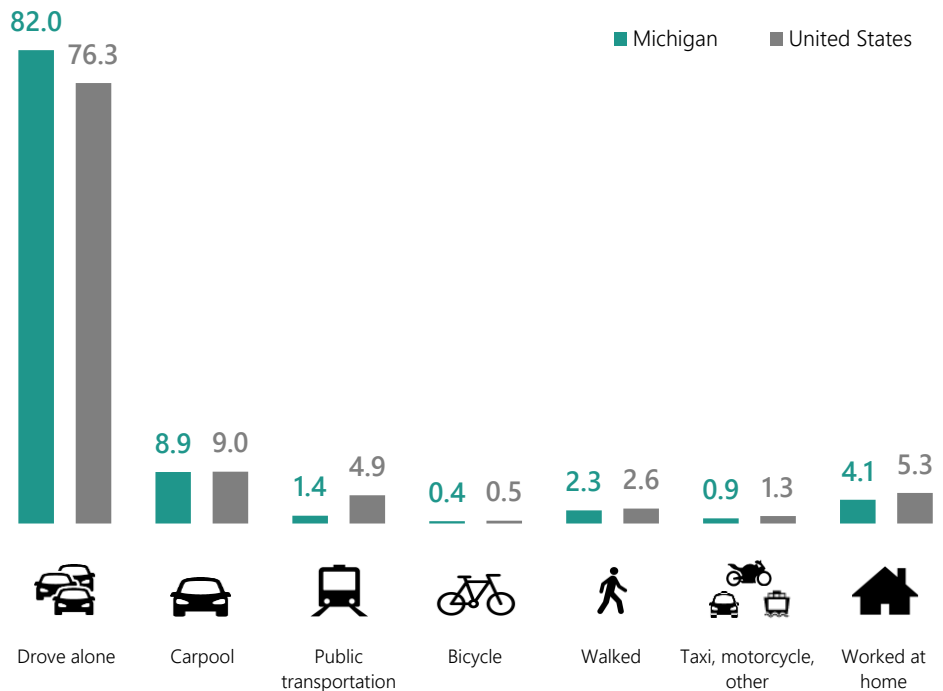
2008-2018

▲ 0.6%



HOW RESIDENTS GET TO WORK

Percentage of workers over age 16, 2018



AVERAGE DAILY PERSON MILES

Miles per person per day, 2017



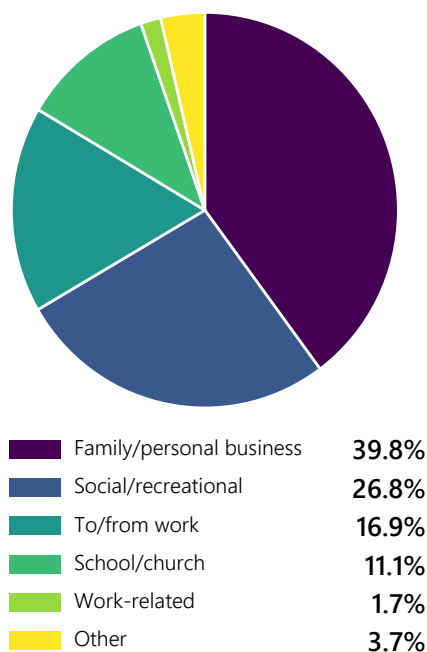
AVERAGE DAILY PERSON TRIPS

Trips per person per day, 2017



PASSENGER TRAVEL BY TRIP PURPOSE

Percentage of annual person trips, 2017



TRANSPORTATION INDUSTRY JOBS

108.4k

2018

▲ 18.8%

2008-2018

Truck transportation

47,502

▲ 22.0%

Transit and ground passenger transportation

13,825

▲ 50.0%

Air transportation

14,572

▲ 2.5%

Other

32,832

▲ 13.7%

VALUE OF FREIGHT FLOW

\$1.1t

▲ 7.6%

Current dollars, 2018

2012-2018

TONS OF FREIGHT FLOW

660.0m

▲ 12.9%

2018

2012-2018

TON-MILES OF FREIGHT FLOW

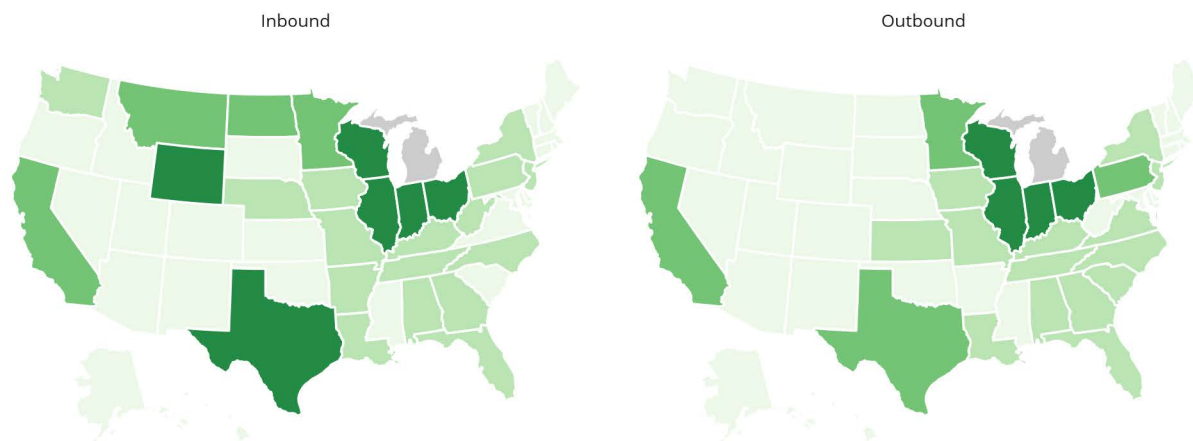
279.0b

▲ 13.1%

2018

2012-2018

MICHIGAN INTERSTATE FREIGHT FLOWS. 2018



Millions of tons

0-1 1-5 5-10 10+

STATE GROSS DOMESTIC PRODUCT

\$527.1b

▲ 36.5%

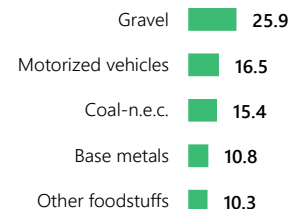
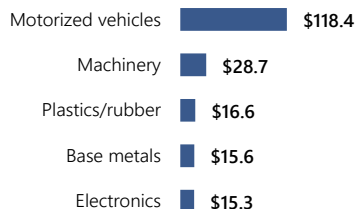
Current dollars, 2018

2008-2018

TOP COMMODITIES SHIPPED FROM MICHIGAN

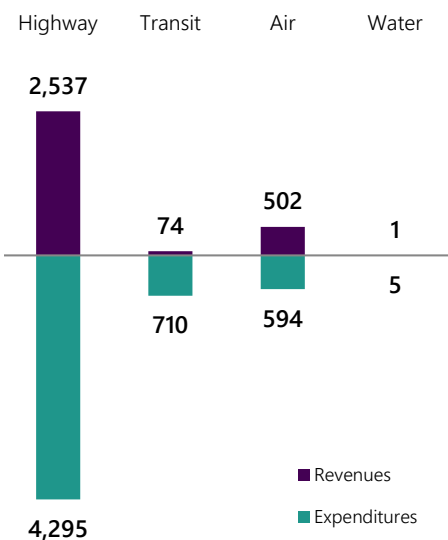
By value moved in billions of current dollars, 2018

By weight moved in millions of tons, 2018



STATE AND LOCAL GOVERNMENT TRANSPORTATION REVENUES AND EXPENDITURES

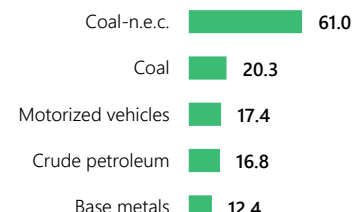
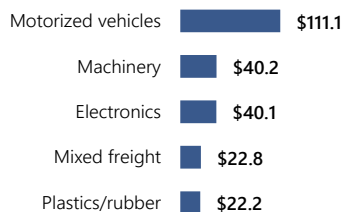
Millions of current dollars, 2017



TOP COMMODITIES SHIPPED TO MICHIGAN

By value moved in billions of current dollars, 2018

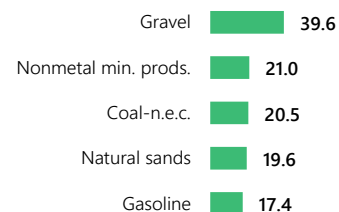
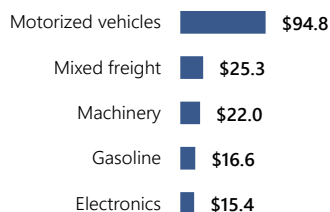
By weight moved in millions of tons, 2018



TOP COMMODITIES SHIPPED WITHIN MICHIGAN

By value moved in billions of current dollars, 2018

By weight moved in millions of tons, 2018



RAIL FATALITIES



TRANSIT FATALITIES



RECREATIONAL BOAT FATALITIES



HIGHWAY FATALITIES

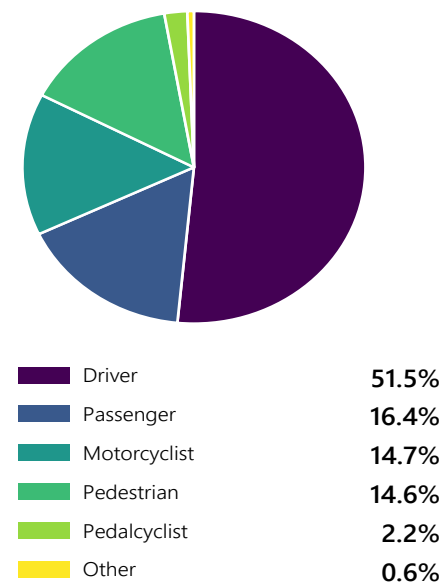


HIGHWAY FATALITY RATE

Fatalities per 100 million vehicle miles traveled, 2018

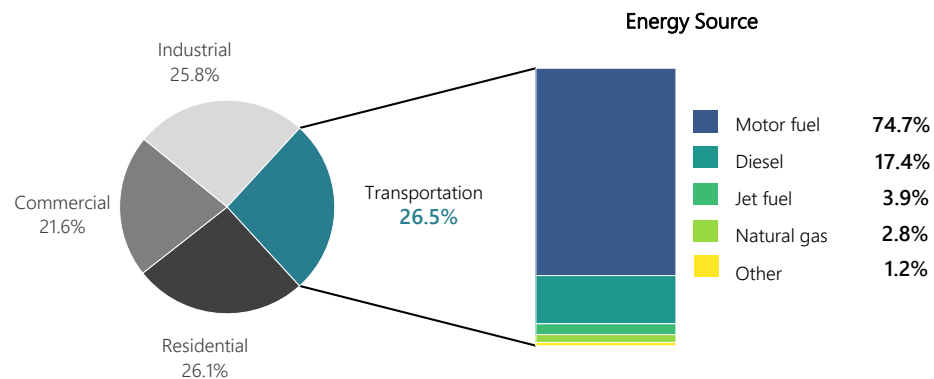


HIGHWAY FATALITIES BY PERSON



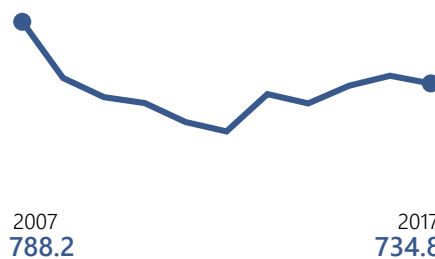
ENERGY USE BY SECTOR

Percent of Btu consumed, 2017



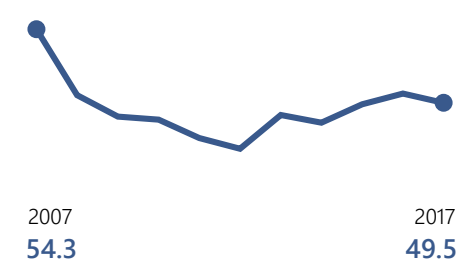
TRANSPORTATION ENERGY USE

Trillion Btu consumed, 2007-2017



TRANSPORTATION EMISSIONS

Million metric tons of CO₂, 2007-2017



TRANSPORTATION ENERGY USE PER CAPITA

Million Btu per capita, 2017



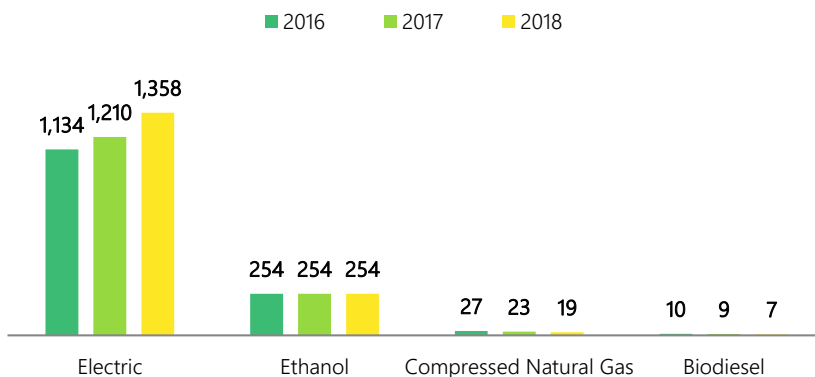
HIGHWAY MOTOR FUEL USE PER CAPITA

Gallons per capita, 2018



ALTERNATIVE FUEL STATIONS

Number of stations, 2016-2018



Sources: Roads, Bridges, Licensed Drivers, Vehicle Miles Traveled, Motor Fuel Use-Federal Highway Administration. Railroads-American Association of Railroads. Airports-Federal Aviation Administration. Ports, Border Ports, Enplanements-Bureau of Transportation Statistics. Population, Employment, Commuting-U.S. Census Bureau. Transit Ridership, Transit Safety-Federal Transit Administration. Personal Travel-Federal Highway Administration, National Household Travel Survey. Freight-Bureau of Transportation Statistics, Freight Analysis Framework. GDP-Bureau of Economic Analysis. Highway Safety-National Highway Traffic Safety Administration. Rail Safety-Federal Railroad Administration. Recreational Boating Safety-U.S. Coast Guard. Energy Consumption, Emissions-Energy Information Administration. Alternative Fuel Stations-Alternative Fuels Data Center.