

# California

## Transportation by the Numbers

### Transportation Infrastructure



### Major Airports

30

Includes Federal Aviation Administration Part-139 public use airports.

### Miles of Waterway

290

### Major Water Ports

10

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

### Border Ports of Entry

7

### Miles of Public Road

175,589

ROAD CONDITION  
Good or Fair 58.7%  
  
Roads with acceptable pavement ride quality based on International Roughness Index

### Bridges

25,737

BRIDGE DECK AREA CONDITION  
Good 58.6%  
Fair 34.7%  
Poor 6.7%

### Miles of Freight Railroad

4,828

### Number of MPOs

19

## POPULATION

39.5m

2019

▲ 6.9%

2009-2019

## EMPLOYMENT

17.4m

2018

▲ 12.0%

2008-2018

## LICENSED DRIVERS

27.0m

2018

▲ 14.1%

2008-2018

## REGISTERED VEHICLES

30.8m

2017

▼ -9.3%

2007-2017

## TRANSIT RIDERSHIP

1.3b

2018

▼ -11.4%

2008-2018

## AIR CARRIER ENPLANEMENTS

118.2m

2018

▲ 37.9%

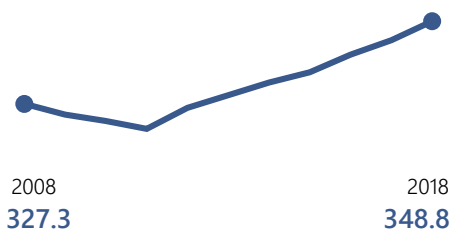
2008-2018

## HIGHWAY TRAVEL

Billions of vehicle miles traveled

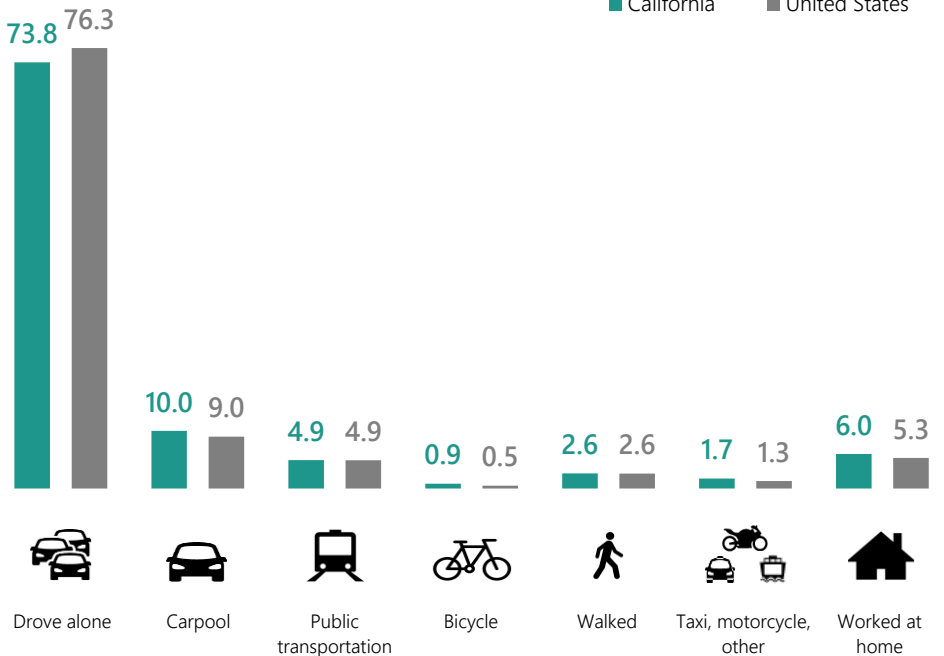
2008-2018

▲ 6.6%



## HOW RESIDENTS GET TO WORK

Percentage of workers over age 16, 2018



## AVERAGE DAILY PERSON MILES

Miles per person per day, 2017



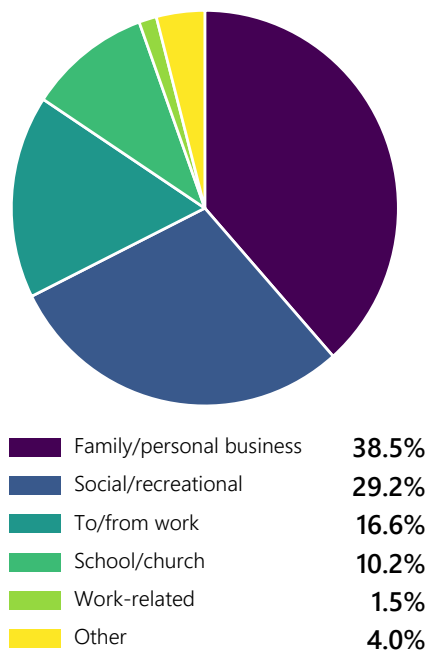
## AVERAGE DAILY PERSON TRIPS

Trips per person per day, 2017



## PASSENGER TRAVEL BY TRIP PURPOSE

Percentage of annual person trips, 2017



## TRANSPORTATION INDUSTRY JOBS

490.2k

2018

▲ 22.0%

2008-2018

Truck transportation

128,166

▲ 12.5%

Transit and ground passenger transportation

83,621

▲ 23.8%

Air transportation

56,436

▲ 21.6%

Other

222,684

▲ 28.0%

## VALUE OF FREIGHT FLOW

\$2.8t

▲ 7.1%

Current dollars, 2018

2012-2018

## TONS OF FREIGHT FLOW

1.5b

▲ 9.9%

2018

2012-2018

## TON-MILES OF FREIGHT FLOW

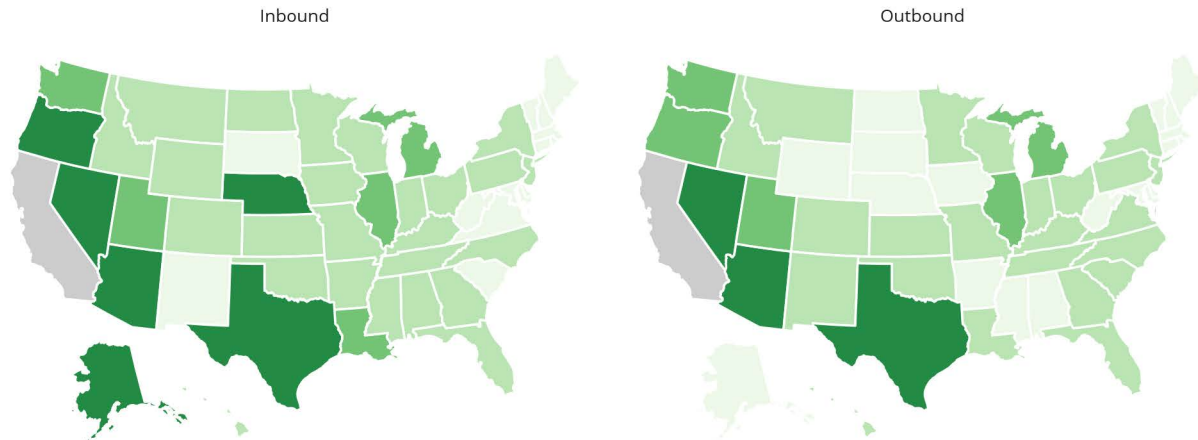
735.9b

▲ 9.3%

2018

2012-2018

## CALIFORNIA INTERSTATE FREIGHT FLOWS, 2018



Millions of tons

0-1 1-5 5-10 10+

## STATE GROSS DOMESTIC PRODUCT

\$3.0t

▲ 50.6%

Current dollars, 2018

2008-2018

## TOP COMMODITIES SHIPPED FROM CALIFORNIA

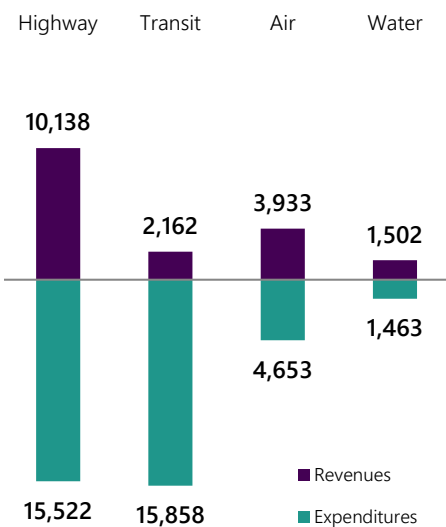
By value moved in billions of current dollars, 2018

By weight moved in millions of tons, 2018

Electronics	\$173.2	Other foodstuffs	24.1
Motorized vehicles	\$83.3	Motorized vehicles	9.5
Misc. mfg. prods.	\$59.3	Other ag prods.	8.5
Textiles/leather	\$59.0	Electronics	8.1
Precision instruments	\$48.8	Nonmetal min. prods.	7.8

## STATE AND LOCAL GOVERNMENT TRANSPORTATION REVENUES AND EXPENDITURES

Millions of current dollars, 2017



## TOP COMMODITIES SHIPPED TO CALIFORNIA

By value moved in billions of current dollars, 2018

By weight moved in millions of tons, 2018

Electronics	\$99.8	Coal-n.e.c.	42.0
Motorized vehicles	\$60.8	Cereal grains	19.9
Misc. mfg. prods.	\$38.3	Crude petroleum	18.1
Machinery	\$33.0	Other foodstuffs	15.7
Textiles/leather	\$28.7	Newsprint/paper	11.4

## TOP COMMODITIES SHIPPED WITHIN CALIFORNIA

By value moved in billions of current dollars, 2018

By weight moved in millions of tons, 2018

Electronics	\$205.5	Gravel	120.9
Mixed freight	\$127.7	Gasoline	117.2
Motorized vehicles	\$116.1	Nonmetal min. prods.	115.3
Gasoline	\$114.3	Natural sands	102.0
Other foodstuffs	\$72.7	Waste/scrap	79.3

## RAIL FATALITIES

160

▲ 44.1%

2018

2008-2018

## TRANSIT FATALITIES

30

▼ -26.8%

2018

2008-2018

## RECREATIONAL BOAT FATALITIES

34

▼ -24.4%

2018

2008-2018

## HIGHWAY FATALITIES

3,563

▲ 3.8%

2018

2008-2018

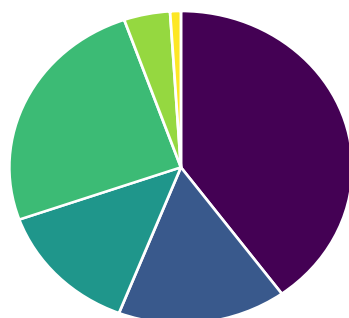
## HIGHWAY FATALITY RATE

Fatalities per 100 million vehicle miles traveled, 2018

California 1.02

United States 1.13

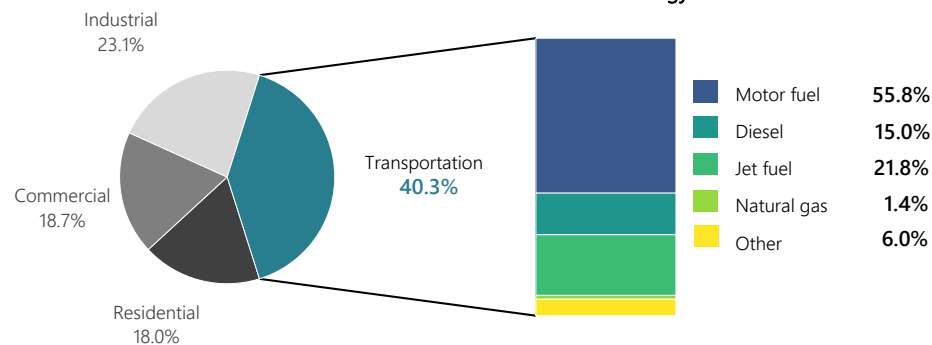
## HIGHWAY FATALITIES BY PERSON



Driver	40.0%
Passenger	15.9%
Motorcyclist	13.7%
Pedestrian	25.1%
Pedalcyclist	4.4%
Other	1.0%

## ENERGY USE BY SECTOR

Percent of Btu consumed, 2017



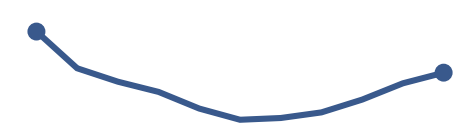
## TRANSPORTATION ENERGY USE

Trillion Btu consumed, 2007-2017



## TRANSPORTATION EMISSIONS

Million metric tons of CO<sub>2</sub>, 2007-2017



## TRANSPORTATION ENERGY USE PER CAPITA

Million Btu per capita, 2017

California 80.7

United States 86.2

## HIGHWAY MOTOR FUEL USE PER CAPITA

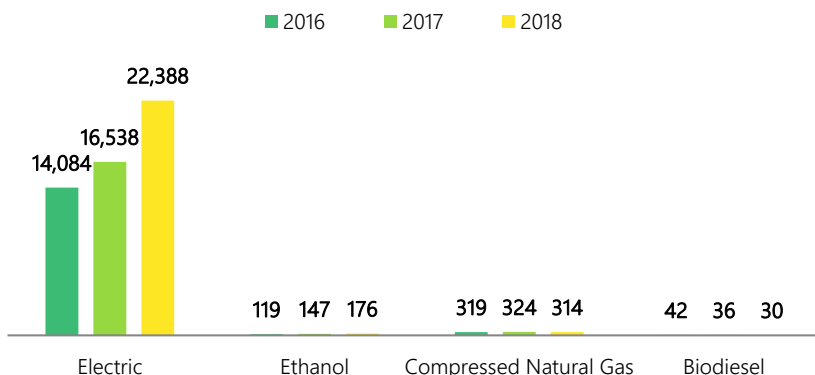
Gallons per capita, 2018

California 369.3

United States 416.2

## 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.