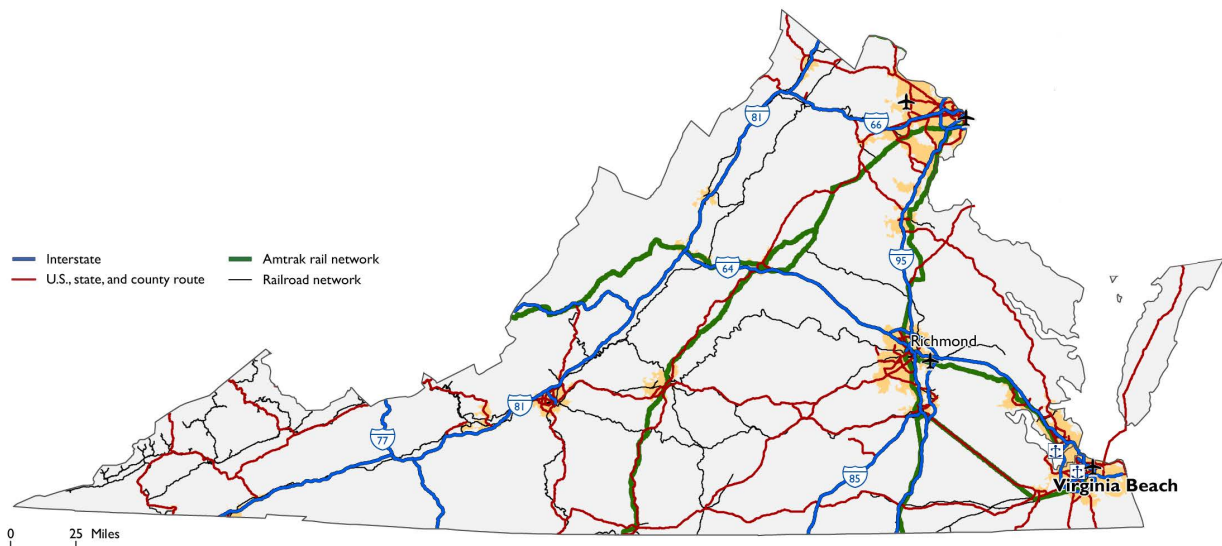


# VIRGINIA

## TRANSPORTATION BY THE NUMBERS

### TRANSPORTATION INFRASTRUCTURE



#### MILES OF PUBLIC ROAD

**74,748**

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

Virginia	79.3%
United States	80.4%

#### BRIDGES

**13,800**

Bridges classified as functionally obsolete, 2013:

Virginia	17.8%
United States	13.7%

Bridges classified as structurally deficient, 2013:

Virginia	8.1%
United States	10.1%

#### MILES OF FREIGHT RAILROAD

**3,215**

#### MILES OF WATERWAY

**670**

#### MAJOR WATER PORTS

**3**

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

The port of Norfolk was the 5<sup>th</sup> busiest container port in the nation in 2013.

#### NUMBER OF MPOs

**15**

#### MAJOR AIRPORTS

**9**

Includes Federal Aviation Administration Part-139 public use airports.



## POPULATION

**8.3m** ▲ 12.3%  
2013 2003-2013

## EMPLOYMENT

**3.1m** ▲ 6.8%  
2013 2003-2013

## LICENSED DRIVERS

**5.6m** ▲ 11.0%  
2013 2003-2013

## REGISTERED VEHICLES

**7.1m** ▲ 11.1%  
2013 2003-2013

## TRANSIT RIDERSHIP

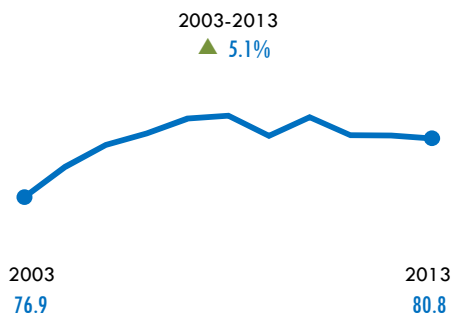
**73.6m** ▲ 43.8%  
2013 2003-2013

## AIR CARRIER ENPLANEMENTS

**24.5m** ▲ 31.3%  
2013 2003-2013

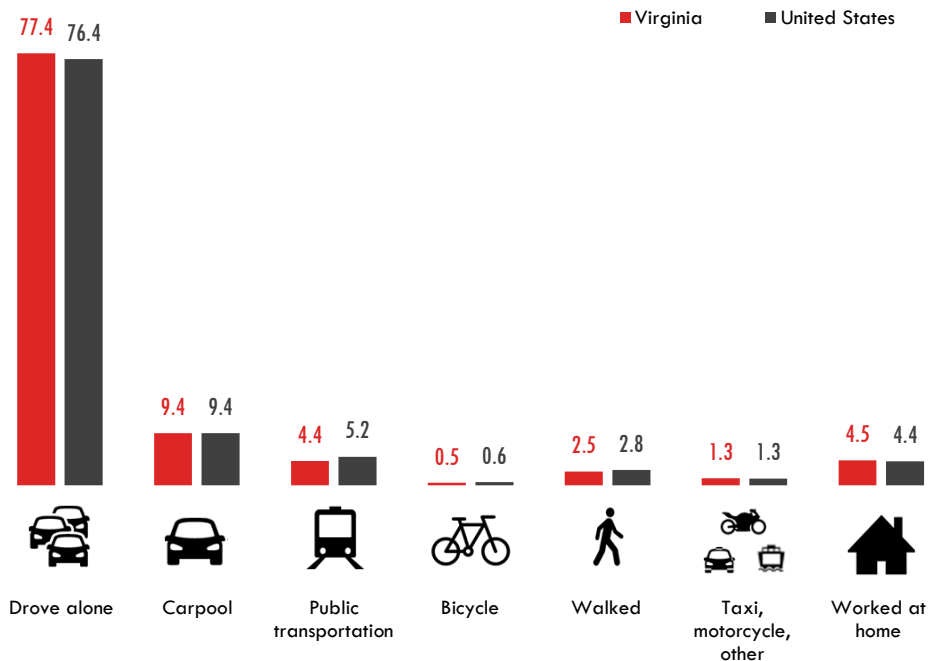
## HIGHWAY TRAVEL

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



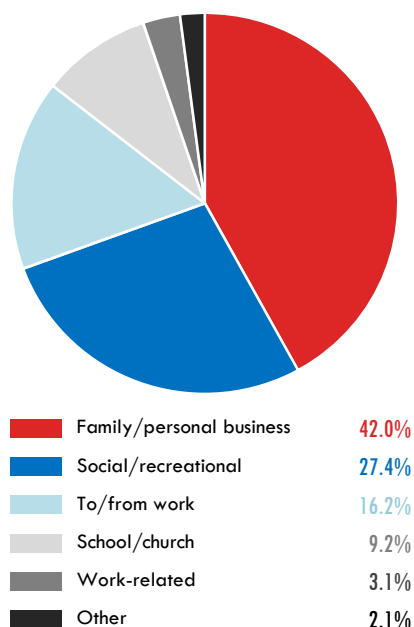
## AVERAGE DAILY PERSON TRIPS

Trips per person per day, 2009



## PASSENGER TRAVEL BY TRIP PURPOSE

Percentage of annual person trips, 2009



## TRANSPORTATION INDUSTRY JOBS

**95,463** ▼ -1.9%  
2013 2003-2013

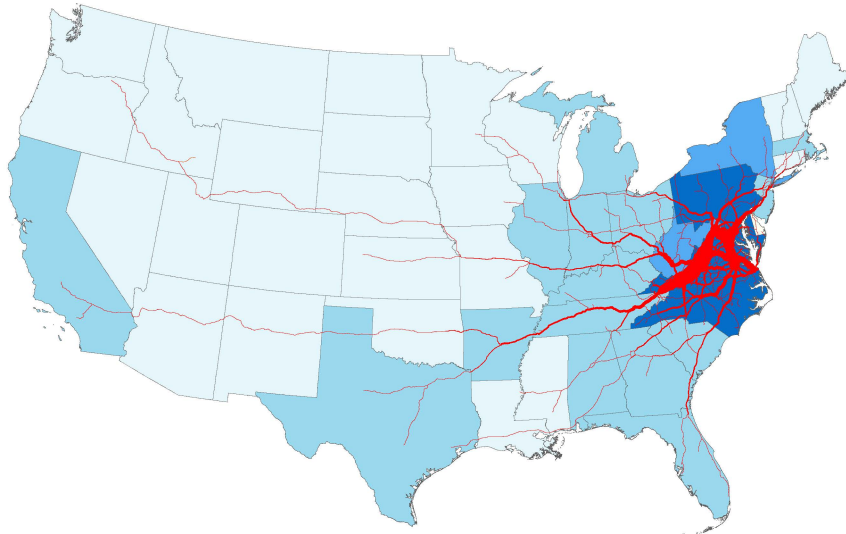
Truck transportation  
**29,254** ▼ -10.0%

Support activities for transportation  
**14,115** ▲ 21.2%

Couriers and messengers  
**10,143** ▼ -9.4%

Transit and ground passenger transportation  
**8,523** ▲ 43.3%

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



State to state flows (million tons/year)

0 1 5 10+

Volume scale (freight trucks/day)

2,500 5,000 10,000

## VALUE OF FREIGHT FLOW

**\$552.0b** ▲ 6.9%

Current dollars, 2013 2007-2013

## TONS OF FREIGHT FLOW

**533.8m** ▲ 3.3%

2013 2007-2013

## TON-MILES OF FREIGHT FLOW

**152.7b** ▲ 0.4%

2013 2007-2013

## STATE GROSS DOMESTIC PRODUCT

**\$455.0b** ▲ 25.8%

Current dollars, 2013 2003-2013

## TOP COMMODITIES SHIPPED FROM VIRGINIA

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

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

Electronics \$15.4

Machinery \$14.3

Motorized vehicles \$13.2

Textiles/leather \$11.6

Misc. mfg. prods. \$10.3

Coal 13.6

Gravel 9.1

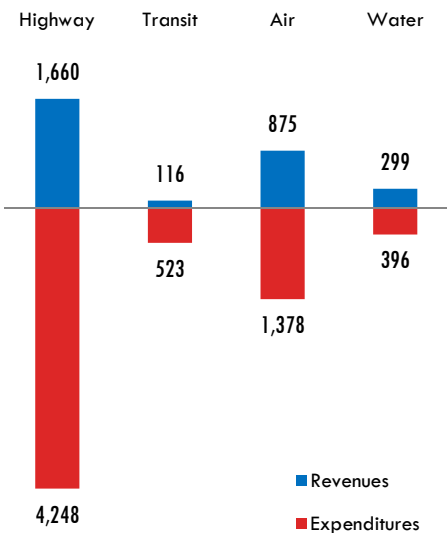
Other foodstuffs 6.4

Nonmetal min. prods. 5.7

Newsprint/paper 5.7

## STATE AND LOCAL GOVERNMENT TRANSPORTATION REVENUES AND EXPENDITURES

Millions of current dollars, 2012



## TOP COMMODITIES SHIPPED TO VIRGINIA

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

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

Mixed freight \$21.0

Motorized vehicles \$18.0

Electronics \$18.0

Machinery \$14.2

Textiles/leather \$11.8

Coal 29.3

Coal-n.e.c. 10.1

Nonmetal min. prods. 8.6

Waste/scrap 7.7

Other foodstuffs 6.9

## TOP COMMODITIES SHIPPED WITHIN VIRGINIA

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

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

Machinery \$32.9

Mixed freight \$15.1

Tobacco prods. \$11.9

Electronics \$11.7

Motorized vehicles \$9.1

Gravel 75.6

Coal 38.0

Waste/scrap 29.4

Nonmetal min. prods. 20.8

Logs 20.0

## RAIL FATALITIES

**10** ▼ -23.1%  
2013 2003-2013

## TRANSIT FATALITIES

**1** — 0.0%  
2013 2003-2013

## RECREATIONAL BOAT FATALITIES

**11** ▼ -45.0%  
2013 2003-2013

## HIGHWAY FATALITIES

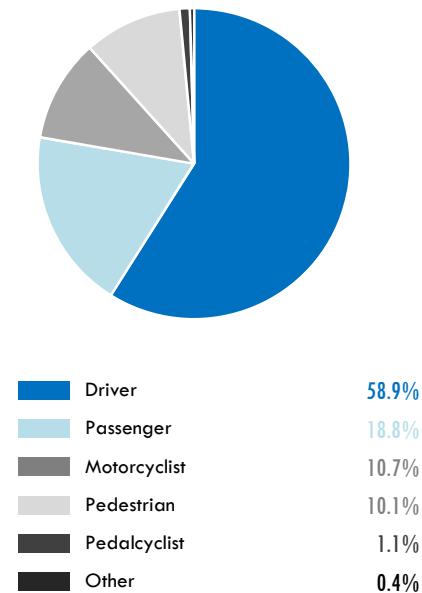
**740** ▼ -21.5%  
2013 2003-2013

## HIGHWAY FATALITY RATE

Fatalities per 100 million vehicle miles traveled, 2013

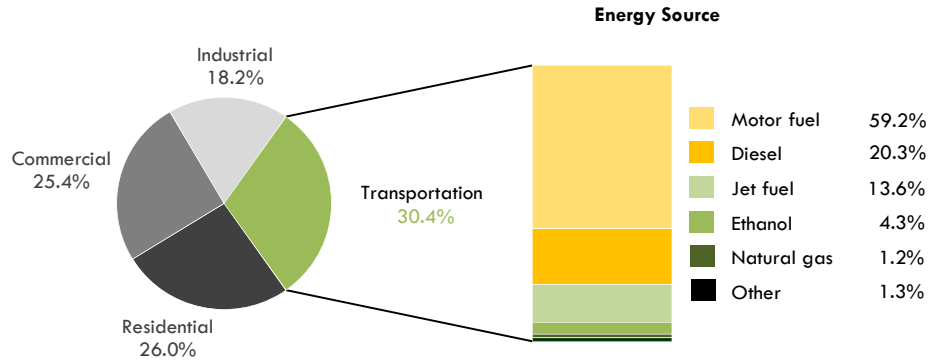


## HIGHWAY FATALITIES BY PERSON



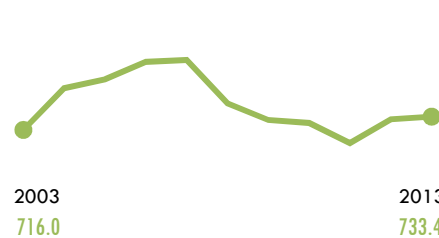
## ENERGY USE BY SECTOR

Percent of Btu consumed, 2013



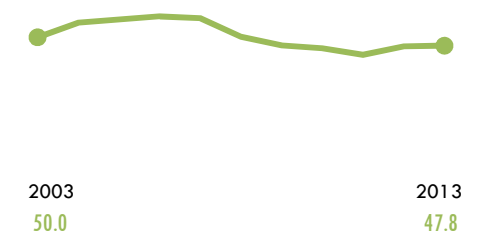
## TRANSPORTATION ENERGY USE

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



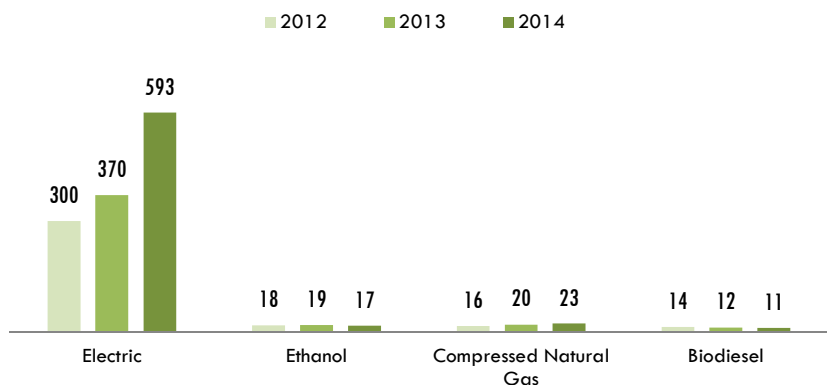
## MOTOR FUEL USE PER CAPITA

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).