Geoscience in Your State Factsheets

How does geoscience affect your state?

The AGI Geoscience Policy team created State Geoscience Information factsheets to inform geoscientists and decision makers on how geoscience impacts their state. These factsheets highlight geoscience areas including, employment, water, minerals, energy and hazards in each state. They also demonstrate how federal research agencies, such as the National Science Foundation, U.S. Geological Survey, National Aeronautics and Space Administration, and the National Ocean and Atmospheric Administration contribute beneficial geoscience information to each state.

If you have any questions on our state factsheets, please contact us at govt@americangeosciences.org

Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming

Image:
Geoscience in Virginia

WHAT IS GEOSCIENCE?
Geosciences is the study of the Earth and the complex geologic, marine, atmospheric, and hydrologic processes that sustain life and the economy. Understanding the Earth’s surface and subsurface, its resources, history, and hazards allows us to develop solutions to critical economic, environmental, health, and safety challenges.

BY THE NUMBERS: VIRGINIA
- 17,000 geoscience employees (full-time equivalent) in 2017
- 72,500 career median for geoscience employees
- 23 academic programs in Virginia

ENERGY AND MINERALS IN VIRGINIA
- 21.6 billion gallons of natural gas produced in 2017
- 1.3 trillion cubic feet of coal produced in 2015
- 12,000 megawatt hours of hydropower produced in 2017

WATER IN VIRGINIA
- 20 billion gallons per day (bgd) treated water
- 14 billion gallons per day (bgd) treated wastewater
- 10 billion gallons per day (bgd) treated drinking water
- 15% of Virginia’s population is served by public water supplies

NATURAL HAZARDS IN VIRGINIA
- 46 total disaster declarations, including 17 tornadoes, 15 floods, and 13 hurricane disasters (2004-2017)
- 11 billion dollars in total disaster assistance grants (2004-2017)
- 54 billion dollars in federal assistance (2004-2017)
- 14 vessels and 10,000 containers, each with cargo exceeding 150,000 tons shipped (2004-2017)

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- Geoscience Policy