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
Geosciences in Virginia

WHAT IS GEO SCIENCE?
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

- 42,000 geo science employees (full-time and self-employed)
- 9,600 million gallons/day of groundwater withdrawn
- 23.35 billion value of mineral mined production in 2019
- 9 total disaster declarations, including 17 severe storms, 1 flood, and 11 hurricane disasters (1985-2017)
- 5.3 million R&D grants awarded in 2017

ENERGY AND MINERALS IN VIRGINIA

- 1.25 billion value of coal produced in 2017
- 2100 coal, pet coke, and aggregate construction磕一切都翻翻及维亚克恩迪奥埃德
- 1.1 million people in the workforce
- 12 million tons of coal produced in 2017
- 1.5 million megawatt hours, hydroelectricity produced in 2017
- 1.3 billion megawatt hours, wood-derived fuels produced in 2017

WATER IN VIRGINIA

- 78 million gallons/day total groundwater withdrawn
- 4.5 billion gallons/day surface water withdrawn
- 4.7 billion gallons/day public supply water withdrawn
- 2 million gallons/day industrial/hot water withdrawn
- 8% of the population in unconfined aquifers

NATIONAL HAZARDS IN VIRGINIA

- 46 total disaster declarations, including 17 severe storms, 3 floods, and 11 hurricane disasters
- 1.4 million megawatt hours wood energy, 2017
- 1.7 million people in the workforce
- 2.9 million people in the workforce
- 4.7 million people in the workforce
- 4.6 million people in the workforce

1. U.S. Energy Information Administration, 2019
2. United States Geological Survey, 2019
4. Virginia Department of Forestry, 2019
5. U.S. Geological Survey, 2019

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- policy
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