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:
Geosciences in Virginia

WHAT IS GEOLOGY?
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, hazards, and climate allows us to develop solutions to critical economic, environmental, health, and safety challenges.

By the numbers: VIRGINIA
- 788,000 gallons/day: total groundwater withdrawn
- $3.25 billion: value of coal, oil, and gas production in 2017
- 94 total disaster declarations, including 17 severe storms, 3 floods, and 1 hurricane disaster (1995-2017)
- $1.16 billion: R&D grants awarded in 2017

ENERGY AND MINERALS IN VIRGINIA
- 2.04 million barrels of refined petroleum products in 2017
- 10,000 personnel: direct (employment), and indirect and induced (spending) contribution to state economic in 2017
- 1.2 million tons of coal products in 2017
- 3.5 million megawatt-hours, hydroelectricity produced in 2017
- 3.5 million megawatt-hours, wood-derived fuels produced in 2017

WATER IN VIRGINIA
- 3.3 million gallons/day: total groundwater withdrawn
- 16.5 million gallons/day: total surface water withdrawn
- 6.7 million gallons/day: public supply water withdrawn
- 2.0 million gallons/day: industrial/other water withdrawn
- 0.17 million acres: on-stream water appropriated

NATURAL HAZARDS IN VIRGINIA
- 46 total disaster declarations, including 17 severe storms, 11 floods, and 11 hurricane disasters (1995-2017)
- 14,683 personnel: direct (employment), and indirect and induced (spending) contribution to state economic in 2017
- 1.8 million dollars: public assistance funds (2005-2017)
- 1.8 million dollars: private assistance funds (2005-2017)
- 1.8 million dollars: total assistance funds (2005-2017)
- 46,000 people: affected by at least one disaster event
- 75,000 homes: destroyed by at least one disaster event

1. 23 Million Americans (2014) "Geology for All" 2014
2. 10,000 Personnel: Direct (Employment), and Indirect and Induced (spending) Contributions to State Economy in 2017
3. 1.2 Million Tons of Coal Products in 2017
4. 3.5 Million Megawatt-hours, Hydroelectricity Produced in 2017
5. 3.5 Million Megawatt-hours, Wood-derived Fuels Produced in 2017

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- policy
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- Geoscience Policy