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
Geoscience in Virginia

WHAT IS GEOLOGY?

Geosciences study the Earth and the complex geologic, mineral, 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

- 630 geoscience employees (not self-employed)
- 72 million gigaliters (gigaliters) of groundwater withdrawn
- $21.5 billion value of nonfuel mineral production in 2017
- 54 total disaster declarations, including 17 severe storms, 15 floods, and 13 hurricane declarations (1985-2017)
- $518 million in REE grants awarded in 2017

ENERGY AND MINERALS IN VIRGINIA

- $2.1 billion value of mineral mine production in 2017
- 1,411 billion cubic feet of natural gas produced
- 87 million cubic feet of natural gas withdrawn
- 59 million kilowatthours of electricity produced in 2017

WATER IN VIRGINIA

- 7.8 million gigaliters of public supply withdrawn
- 6.6 million gigaliters of water used for irrigation
- 57.8 million cubic feet of water used for irrigation
- 16.1 million cubic feet of water used for irrigation
- 13.5 million cubic feet of water used for irrigation
- 20.6 million cubic feet of water used for irrigation
- 18.2 million cubic feet of water used for irrigation
- 15.7 million cubic feet of water used for irrigation
- 13.2 million cubic feet of water used for irrigation
- 10.7 million cubic feet of water used for irrigation
- 8.2 million cubic feet of water used for irrigation

NATIONAL HAZARDS IN VIRGINIA

- 44 total disaster declarations, including 17 severe storms, 15 floods, and 13 hurricane declarations (1985-2017)
- 2.2 million cubic feet of water used for irrigation
- 1.7 million cubic feet of water used for irrigation
- 1.2 million cubic feet of water used for irrigation
- 800,000 cubic feet of water used for irrigation
- 400,000 cubic feet of water used for irrigation
- 100,000 cubic feet of water used for irrigation
- 50,000 cubic feet of water used for irrigation
- 25,000 cubic feet of water used for irrigation
- 10,000 cubic feet of water used for irrigation

Tags: policy
Section:

- Geoscience Policy