

ENERGY FROM THE EARTH

Energy-Water-Land Connections
Briefing Series, Part 3



GEOTHERMAL ENERGY

September 15, 2015 • 10:00am - 11:00am • 1324 Longworth House Office Building

Geothermal energy is a relatively untapped resource that could be a significant source of clean power for the United States in the future. According to the U.S. Geological Survey, heat from the Earth's interior could fuel more than 10 percent of the nation's current electrical generating capacity. The United States is already the world leader in geothermal energy production, accounting for 28 percent of the global installed geothermal capacity. States including California, Nevada, Oregon, and Utah have the greatest amount of current geothermal development, but deployment of this virtually carbon free renewable energy has significant potential in the rest of this country, particularly as new technologies are developed.

As geothermal energy production grows and new technologies develop, understanding the unique relationships between geothermal energy, water and land resources will be fundamental to effective policy making.

In this briefing, speakers will highlight recent successes in geothermal research and address questions, including:

- What are geothermal systems and where are they located?
- What water and land resources are necessary for geothermal energy production?
- How have existing geothermal operations developed innovative solutions to address water use?
- What does the future of geothermal energy production look like?

speakers

Jim Faulds

Research Professor, University of Nevada, Reno
Director of the Nevada Bureau of Mines and Geology
Nevada State Geologist

Jordan Macknick

Energy and Environmental Analyst
National Renewable Energy Laboratory

Andy Sabin

Subject Matter Expert and Senior Geologist
Navy Geothermal Program Office

Doug Hollett, Moderator

Deputy Assistant Secretary
Renewable Power
Department of Energy

presented by

American Association for the Advancement of Science
American Association of Petroleum Geologists
American Geophysical Union
American Geosciences Institute
Association of American State Geologists
Geological Society of America
National Ground Water Association
National Science Foundation—Directorate for Geosciences
Soil Science Society of America
U.S. Geological Survey