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| Selected Project | City | State | Project Description | Proposed DOE Share (up to amount listed) |
| Utah State University | Salt Lake City | UT | Utah State will adapt play fairway methodology to search for geothermal resources in the Snake River Plain in Idaho. The team will assemble relevant data for the Snake River Plain from publicly available and private sources, and build a geothermal play fairway model that will allow them to identify the most promising locations, using software tools that are standard in the petroleum industry. | $500,000 |
| ATLAS Geosciences Inc. | Reno | NV | Atlas Inc. will explore the geothermal potential of the Cascade Mountains and Aleutian Islands. These areas have significant heat flow due to recent volcanism and untapped potential for geothermal power generation. The project will focus on understanding the occurrence and distribution of these resources to help identify the most promising targets for electrical power generation from these natural hydrothermal systems. | $288,858 |
| Los Alamos National Laboratory | Los Alamos | NM | LANL will apply the play fairway framework to the Rio Grande rift and Southern Basin and Range of New Mexico. The goal of this project is to develop a proof-of-concept framework to identify gravity-driven geothermal systems. | $400,000 |
| Cornell University | Ithaca | NY | A team led by Cornell University will determine the most favorable locations for potential production of geothermal heat within the Appalachian Basin in New York, Pennsylvania, and West Virginia. This project aims to narrow the focus to the most favorable areas for geothermal exploration that are also near population centers. | $400,000 |
| Washington Division of Geology and Earth Resources | Olympia | WA | Geothermal play fairway modeling will be used to build upon the recently-developed Washington State geothermal resource potential model. The project will generate maps of the most favorable combinations of heat, permeability, and fluids, and will estimate uncertainties within three target areas in Washington State. | $276,367 |
| University of Utah/EGI | Salt Lake City | UT | The project combines a range of mapping techniques, including play fairway analysis, to evaluate geothermal systems in the eastern Great Basin. The analysis will exploit new, fluid-sensitive imaging technology. | $480,430 |
| University of Utah/EGI | Salt Lake City | UT | The project combines a range of mapping techniques including LIDAR and play fairway analysis to evaluate geothermal systems in the Central Cascade Range area. The project is intended to locate high-temperature resources in the Central Cascades. | $344,237 |
| University of California, Davis | Davis | CA | Scientists from LBNL and UCD will exploit geothermal play fairway analysis to assess geothermal potential in the geologically complex and understudied regions of Northeast California, Northwest Nevada, and Southern Oregon. In the process, they will develop tools for risk assessment that can be used by industry to enhance opportunities for geothermal energy development. | $344,371 |
| Ruby Mountain Inc. | Salt Lake City | UT | The broad goal of this project is to develop a methodology to identify geothermal resources in new areas using geothermal play fairway modelling. The project will examine the Tularosa Basin study area to discover geothermal resources that could be developed by the U.S. military. | $305,036 |
| Nevada Bureau of Mines and Geology, University of Nevada, Reno | Reno | NV | This project will perform an integrated geologic and geophysical study of three critical areas in the Great Basin utilizing robust data sets. The Great Basin was chosen for study because it is one of the largest geothermally active areas on Earth. | $497,968 |
| University of Hawaii | Honolulu | Hawaii | The goal of this project is to develop an exploration strategy for geothermal resources in Hawaii centered around play fairway analysis of geologic, geophysical, and geochemical datasets. Data will be integrated into statewide maps that show the probability of discovering a geothermal resource. | $347,733 |