

Geothermal Evaluation and Design

Feasibility Studies –San Francisco, California



The VA NEBC has contracted with Alares to perform a Renewable Energy Feasibility Study (FS) to assess the potential for use of a geothermal system(s) at the San Francisco and Martinez VA Medical Centers (VAMC). The work will include an inspection of the existing facility and mechanical systems, environmental assessment (EA), energy modeling from short-term metering and utility receipts, field investigations, and a financial analysis for a system installation, including alternative financing possibilities.

In order to develop energy investment initiatives to move the VA from previously verified or adjusted status quo baseline to a state of improved energy consumption and cost effectiveness, VA needs to develop applicable investment initiatives. The Alares FS will serve to identify potential energy conservation and cost saving opportunities, with a focus on geothermal installation applications. Design disciplines include mechanical, electrical, plumbing and geothermal.

Client

*Department of Veterans Affairs-
National Energy Business Center*

Status

Om-going

Highlights

The work will include an inspection of the existing facility and mechanical systems, environmental assessments, energy modeling, field investigations, and a financial analysis for a system installation, including concept design.