



Why Geothermal?

- ▶ **Reliability:** Baseload power production 24 hours a day, 7 days a week, 365 days a year regardless of how much wind or sunlight is available.
- ▶ **Versatility:** Geothermal energy can be used to produce power in utility-scale facilities or for a wide variety of direct use applications, such as heating greenhouses, de-icing sidewalks and dehydrating agricultural products.
- ▶ **Small Environmental Footprint:** Geothermal power plants emit lower levels of emissions than fossil fuel plants, and use less land per megawatt than other renewable energy sources.
- ▶ **Promotes Economic Growth:** Geothermal projects create jobs and economic growth, with the benefits staying close to home rather than being spent on foreign fuels.
- ▶ **Conservation and Reduced Demand:** Direct use applications and geothermal heat pumps reduce energy demand and help conserve our dwindling supply of fossil fuels.
- ▶ **Benefits Developing Countries:** Geothermal projects help improve the standard of living by providing electricity to many rural areas while strengthening the local economy by producing the resource domestically.
- ▶ **Widely Available Resource:** The earth's heat is available everywhere. All 50 U.S. states are currently using geothermal energy, either through high temperature power production, direct use or geothermal heat pumps. It's just a matter of developing the technology to tap this resource in an economically feasible way.