

THE GEYSERS BY THE NUMBERS



The Geysers Geothermal Field 2021 Statistics

The Geysers' 15 Geothermal Power Plants span two Northern California counties, Lake and Sonoma:

The Geysers, comprising 45 square miles along the Sonoma and Lake County border, is the largest complex of geothermal power plants in the world. Today, there are 15 geothermal power plants operating at The Geysers and Calpine Corporation, the largest geothermal power producer in the U.S., owns and operates 13 power plants with a net generating capacity of about 725 megawatts of electricity - enough to power 725,000 homes, or a city the size of San Francisco.

- Calpine's Sonoma County power plants: Aidlin U-1, McCabe U-5/6, Ridge Line U-7/8, Eagle Rock U-11, Cobb Creek U-12, Lake View U-17, Sulphur Springs U-14, Sonoma U-3, Grant U-20, Socrates U-18
- Northern California Power Agency's Sonoma County power plants: Unit 1 & Unit 2
- Calpine's Lake County power plants: Calistoga U-19, Big Geysers U-13, Quicksilver U-16

Calpine Geothermal Operations:

- 28,447 Acres (44.5 square miles)
- 75 miles North of San Francisco
- 13 Operating Geothermal Power Plants
- 10 Power Plants in Sonoma County; 3 Power Plants in Lake County
- Steam Pipelines = 88 miles
- Injection Waterlines = 69 miles
- 21kV Power Lines = 70 miles
- Project Roads = Over 167 miles

Geothermal Wells:

- Calpine Steam Wells: 321
- Current Calpine Injection Wells: 72
- Deepest Well: 12,900 ft
- Average Well Depth: 8,500 ft
- Total Calpine Geysers wells drilled to date = 599 with two injection wells drilled in 2021
- Today's average grassroots drilling time = 82 days: 75 days drilling + 7 rig up/down
- First Exploratory Well Drilled in 1920; First Modern Well Drilled in 1955
- 2021 Average Steam Production per Well: 35,047 Pounds per Hour
- Flow Weighted Average Well Head Temperature = 370 Deg F
- Flow Weighted Average Well Head Pressure = 84 psig
- Most Recent Steam Well Drilled = Prati 24 on February 11, 2021
- Most Recent Injection Well Drilled: BSC/Beigel on April 6, 2021

Power Generation:

- First Commercial Power Plant = PG&E Geysers Unit 1 in 1960
- Most Recent Power Plant Built = Aidlin U-1 in 1989
- 2021 Average Output = 630 Net Megawatts
- 2021 Generation = 5,519,169 Net Megawatts
- 2021 Average Unit Availability = 90.81%



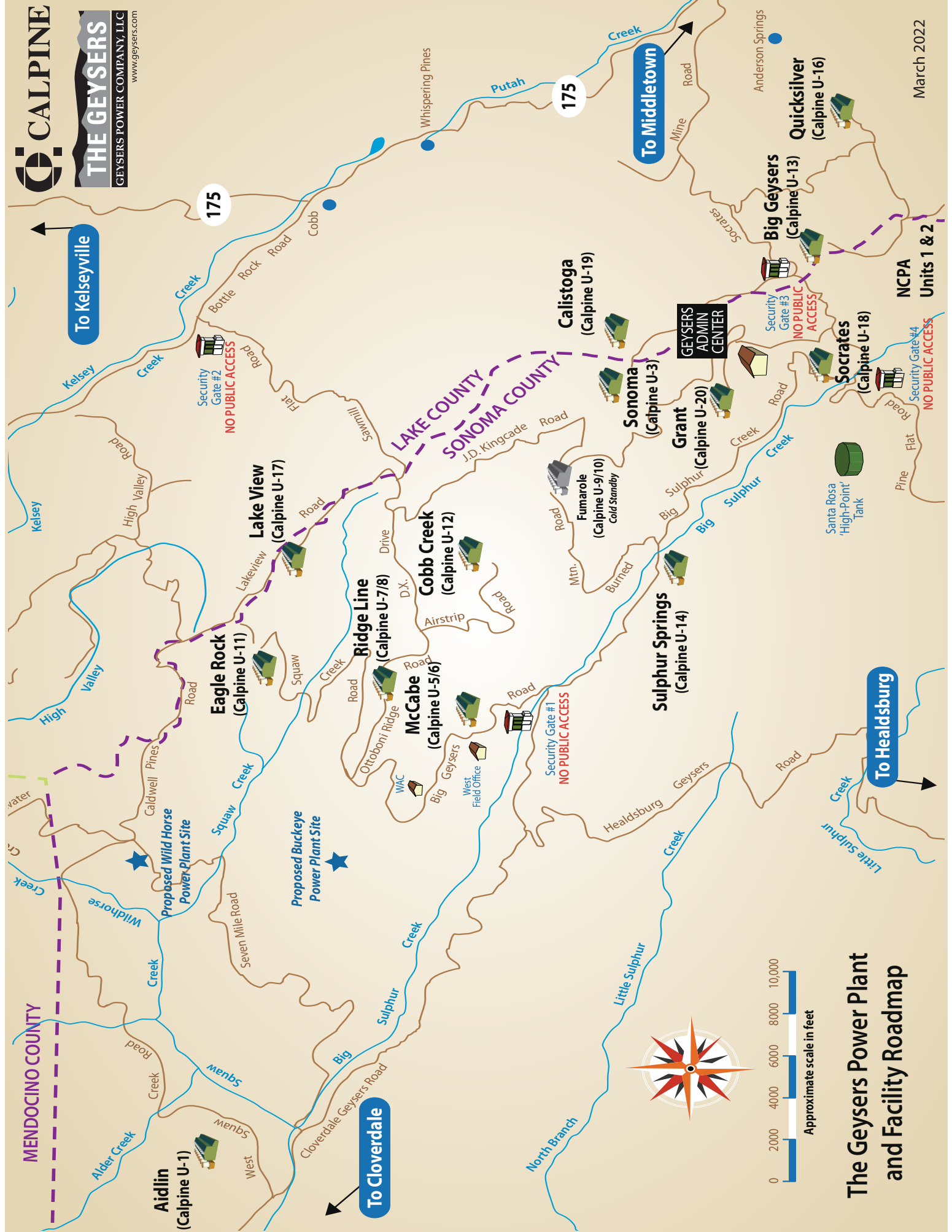
About Calpine

Calpine Corporation is America's largest generator of electricity from natural gas and geothermal resources with operations in competitive power markets. Our fleet of 76 power plants in operation and 1 under construction represents nearly 26,000 megawatts of generation capacity. Through wholesale power operations and our retail businesses, we serve customers in 22 states, Canada and Mexico. Our clean, efficient, modern and flexible fleet uses advanced technologies to generate power in a low-carbon and environmentally responsible manner. We are uniquely positioned to benefit from the secular trends affecting our industry, including the abundant and affordable supply of clean natural gas, environmental regulation, aging power generation infrastructure and the increasing need for dispatchable power plants to successfully integrate intermittent renewables into the grid.



www.calpine.com
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The Geysers Power Plant and Facility Roadmap