NORTHERN AMERICA'S LARGEST GEOTHERMAL OPERATIONS

THE GEYSERS BY THE NUMBERS

The Geysers Geothermal Field 2022 Statistics

CALPINE®

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

The Geysers, comprising 44 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, about 44 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 = 92.2 miles
- Injection Waterlines = 72 miles
- 21kV Power Lines = 75 miles
- Project Roads = Over 171 miles

Geothermal Wells:

- Calpine Steam Wells: 319
- Calpine Injection Wells: 73
- Deepest Well: 12,900 ft
- Average Well Depth: 8,500 ft
- Total Calpine Geysers wells drilled to date: 601 with one injection well drilled in 2022
- Today's average grassroots drilling time: 85 days (75 days drilling + 10 rig up/down)
- 2022 Average Steam Production Per Well: 11,938 Pounds Per Hour
- Flow Rated Average Well Head Temperature: 370.9° Deg F
- Flow Weighted Average Well Head Pressure: 83.2 psig
- Most Recent Steam Well Drilled: Prati 24 on February 11, 2021
- Most Recent Injection Well Drilled: Davies Estate 11 completed November 10, 2022

Power Generation:

- First Exploratory Well Drilled in 1920; First Modern Well Drilled in 1955
- First Commercial Power Plant: PG&E Geysers Unit 1 in 1960
- Most Recent Power Plant Built: Aidlin U-1 in 1989
- 2022 Average Output: 630.94 Net Megawatts
- 2022 Generation: 5,543,878.10 Net Megawatt Hours
- 2022 Average Unit Availability: 91.17%

Geothermal – Clean, Reliable, Renewable Power

About Calpine

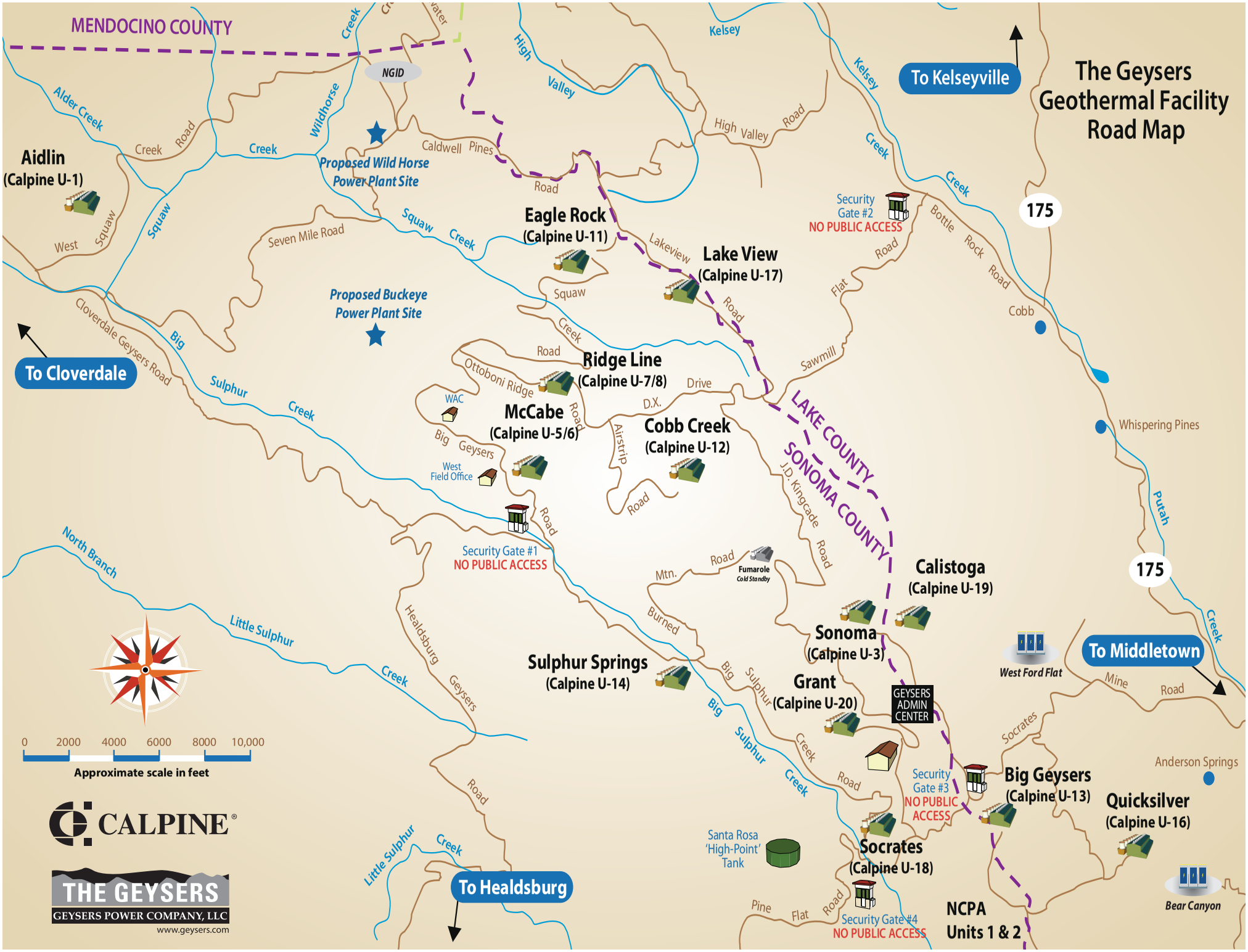
Calpine Corporation is America's largest generator of electricity from natural gas and geothermal resources with operations in competitive power markets. Our fleet of 75 power plants and two battery storage facilities, including one under construction, represents nearly 26,000 megawatts of generation 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.

THE GEYSERS

GEYSERS POWER COMPANY, LLC

www.calpine.com
www.geysers.com

March 2023


The Geysers Geothermal Facility Road Map
MENDOCINO COUNTY
LAKE COUNTY
SONOMA COUNTY
To Kelseyville
To Cloverdale
To Healdsburg
To Middletown
Aidlin (Calpine U-1)
Eagle Rock (Calpine U-11)
Lake View (Calpine U-17)
Ridge Line (Calpine U-7/8)
McCabe (Calpine U-5/6)
Cobb Creek (Calpine U-12)
Calistoga (Calpine U-19)
Sonoma (Calpine U-3)
Grant (Calpine U-20)
Sulphur Springs (Calpine U-14)
Socrates (Calpine U-18)
Big Geysers (Calpine U-13)
Quicksilver (Calpine U-16)
NCPA Units 1 & 2
Proposed Wild Horse Power Plant Site
Proposed Buckeye Power Plant Site
Security Gate #1 NO PUBLIC ACCESS
Security Gate #2 NO PUBLIC ACCESS
Security Gate #3 NO PUBLIC ACCESS
Security Gate #4 NO PUBLIC ACCESS
GEYSERS ADMIN CENTER
West Field Office
WAC
Fumarole Cold Standby
Santa Rosa 'High-Point' Tank
West Ford Flat
Bear Canyon
Anderson Springs
Whispering Pines
Cobb
NGID
Alder Creek
Wildhorse Creek
High Valley
Kelsey Creek
Squaw Creek
Seven Mile Road
Caldwell Pines Road
Lakeview Road
Flat Road
Bottle Rock Road
Sawmill Road
Ottoboni Ridge Road
D.X. Drive
Airstrip Road
J.D. Kingcade Road
Cloverdale Geysers Road
Big Sulphur Creek
North Branch Little Sulphur Creek
Little Sulphur Creek
Healdsburg Geysers Road
Burned Mtn. Road
Pine Flat Road
Mine Road
Socrates Road
Putah Creek
175
0 2000 4000 6000 8000 10,000
Approximate scale in feet
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