CALPINE GEOTHERMAL OPERATIONS STATISTICS – 2008

Location: Sonoma and Lake Counties, California
75 miles (120 km) North of San Francisco

Geysers Steam Reservoir:
Surface extent: 25,000 Acres (40 square miles –or- 104 square km)
Est. Reservoir Volume: 60 cubic miles (155 cubic km)

Geothermal Wells
Steam Wells: 350 Injection Wells: 59
Deepest Well: 12,900 ft (3,900 m) Avg. Depth: 8,500 ft (2,600 m)
Total wells drilled to date: over 600
Average Drilling Time: 60 days (50 days drilling + 10 rig up/down)
Avg. Well Cost: $2.0-$3.5 million Today's Cost: $4.2 million
First Exploratory Well: 1920 First Modern Well: 1954

2006 Average Steam Production Per Well: 18,000 kg per hour
Reservoir Steam Temperature: 455 Degrees F (235 deg C)
Reservoir Steam Pressure: 180 psig (1.24 MPa)

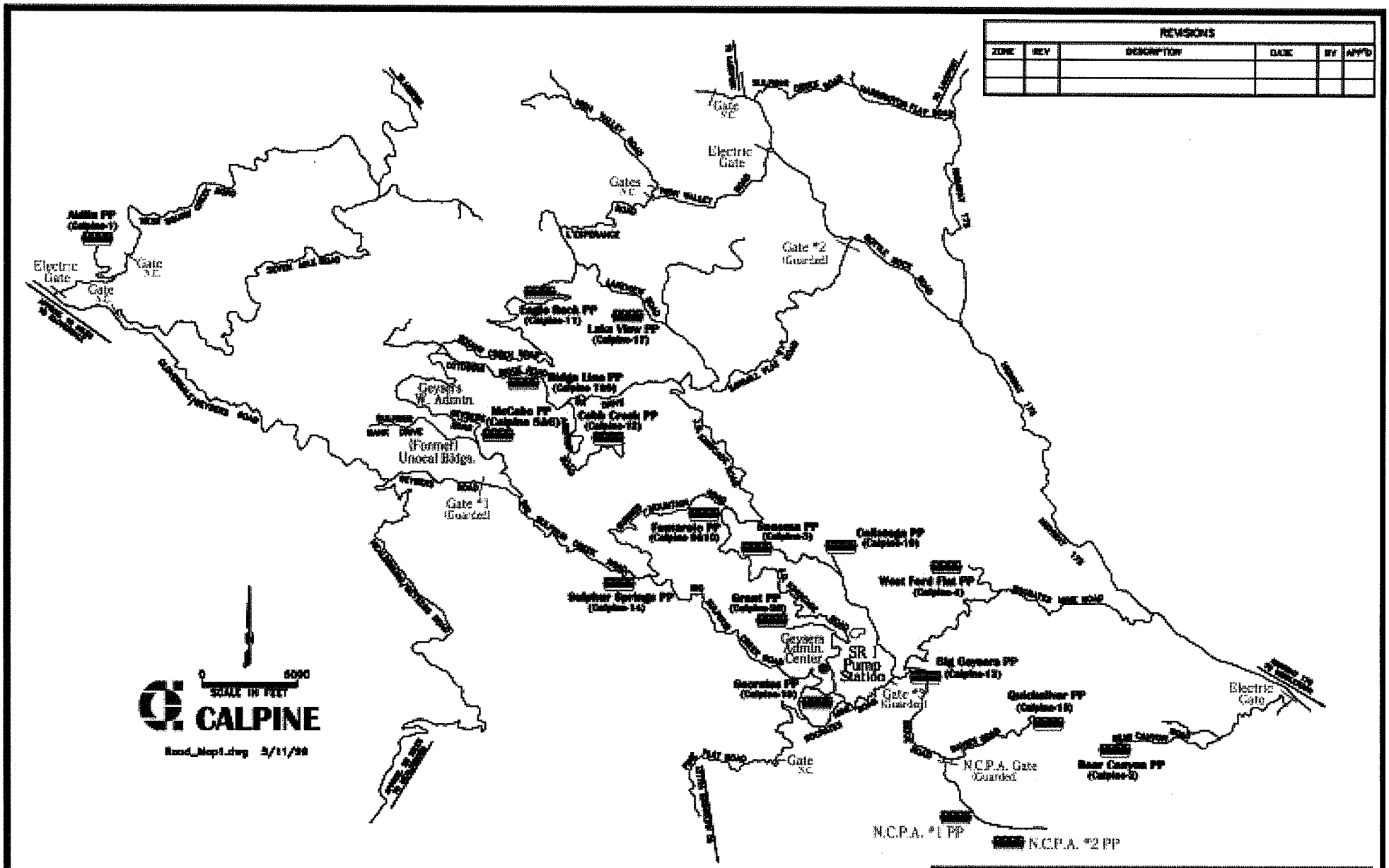
Steamfield and Powerplant Facilities
17 Operating geothermal power plants
Steam Pipelines: 80 miles (129 km)
Injection Water Lines: 66 miles (106 km)
Project roads: Over 130 miles (209 km)

Treated Waste Water Injection
Lake County: 8 mgd (230 l/sec) Santa Rosa: 12.6 Million Gal/Day (mgd) (553 l/sec –or- 48,000 m3/day)

Power Generation
Avg. Annual Load: 725 MW 2007 Generation: 6,183,000 MWh
Avg. Unit Availability: 97%
First Commercial Powerplant: Unit 1, Startup – Sept. 1960

Geothermal – Clean-Reliable-Renewable, Baseload Power
More information at www.Geysers.com

Typical Plant Cycle



GEYSERS PROJECT
POWER PLANT MAP

CALPINE	GEYSERS POWER CO.
THE GEYSERS SONOMA/LAKE COUNTIES	Geysers Project Power Plant Map
DESIGN	
DRAWN	C.W.Y.
DATE	5-11-99
ACAD#	Road_Map1
SIZE A	APE NO. / DWG NO. / REV
SCALE	SHEET