

Ten Important Facts to Know about California's Geothermal Power in 2014

1. There is about 2,720 MW of geothermal power on-line in California producing 13,230 GWh in 2012 which was 4.4% of the state's power mix.
2. The latest industry survey identified 25 projects under development in California with estimated subsurface resources of 1413 MW that developers expect could provide 600 MW of additional power within the next few years if appropriate contracts are secured.
3. The U.S. Geological Survey estimates that there are an additional 2,500 MW of discovered geothermal power resources in California and 11,000 MW of undiscovered resources.
4. Geothermal power provides affordable power according to studies produced in 2014 by the Energy Information Agency, Bloomberg New energy Finance, CEC, CPUC and others.
5. Geothermal power provides significant numbers of permanent jobs. For every 100MW of geothermal power there are 170 permanent jobs supported and development of 100MW of new projects produces over 600 annual construction and manufacturing jobs.
6. According to studies geothermal has the lowest life-cycle emission of any renewable technology besides hydropower.
7. Geothermal power projects have the lowest land density compared to any other renewable power technology.
8. Geothermal power plants can be engineered to be firm and flexible power sources in addition to being source of a renewable baseload power.
9. Geothermal fields can operate for 30 years or longer, the largest geothermal field in North America, the Geysers in California celebrated its 50th birthday this year. Geothermal fields in Italy have been generating electricity since 1912, celebrating their 100th birthday this year.
10. Every additional megawatt of geothermal power can enable the



installation of 3 to 5 megawatts of additional intermittent power like solar and wind.

