Mono County hosts a great amount of geothermal activity. Over 30 years ago, an energy company was able to harness the heat from geothermal resources hundreds of feet below the surface to begin producing reliable, renewable energy from the Casa Diablo Geothermal System. Keeping the surrounding environment in mind, Ormat has continued to successfully operate the Mammoth Pacific Geothermal Plant Complex with no adverse environmental affects and is excited for development opportunities benefitting Mono County. Here we’ll take a look at the development history including existing operations, as well as plans for future growth.

A look back in time >

**1984**
Initial geothermal generation of 10 MW (gross) was brought online.

**1987**
Long Valley Hydrologic Advisory Committee is formed to monitor hydrology in the Long Valley Caldera.

**1990**
40 MW Facility is expanded to 40 MW (gross) and extensive monitoring ensues.

**2005**
Two wells drilled in Basalt Canyon near Shady Rest Park.

**2006**
The Basalt Canyon pipeline is built supplying geothermal fluid from a deeper hotter reservoir to the facility with continuous monitoring.

**2010**
Permit applications for CD-IV submitted to BLM and GBUAPCD.

**2011**
Public scoping and draft EIS/EIR prepared for CD-IV

**2012**
November 2012 – January 2013: Public review of Draft EIS/EIR

**2013**
July 2013: Final EIS/EIR issued with response to comments

**2014**
July 2014: GBUAPCD certifies the EIR and approves the Authority to Construct for the power plant

ORMAT’S CD-IV DEVELOPMENT VALUES

This is the fourth geothermal power plant to be developed in the area!

• 30 years of data analysis of the area and existing facilities
• Scientific research on the impact (or lack thereof) of existing power plant on the resource
• Sustainable, modular approach guarantees no adverse affect to the geothermal reservoir

Wells in Basalt Canyon have been in production since 2006!

• 9 years of data collection and analysis
• Geothermal fluid from Basalt Canyon currently used by the existing plants will be redirected to the new, more efficient CD-IV expansion, making more energy with the existing fluid
• Additional produced fluid from Basalt Canyon will be re-injected in the same area ensuring sustainability

Visit mammothpacific.com to find out more!

Ormat recently launched a new website with detailed information including recent developments, an overview of the existing Mammoth Pacific Geothermal Complex, information about exploration and development activities, Geothermal 101, details about community relations efforts and resources.
Mammoth Pacific’s Casa Diablo IV Project: Facts Vs. False Claims

Ormat works in concert with regulatory agencies. We meet or exceed all requirements with our existing power plants as well as with our plans for future expansion projects. We uphold a commitment to working with interested community organizations to ensure no adverse effects as we provide clean, renewable, reliable geothermal electricity. We are confident in our projects and want the community to be, too!

Despite our efforts of cooperation, project opponents including the Mammoth Community Water District have been vocal in their misinforming objections. This includes expensive legal actions that ultimately cost the ratepayers over $1 million.

LITIGATION HIGHLIGHTS

- **September 2013**: MCWD, CURE and LIUNA appeal USFS and BLM decisions
- **December 2013**: Appeal denied by USFS
- **June 2015**: Judge Eller, Mono County Superior Court, denied appeals by MCWD, CURE and LIUNA for the certification of EIR by Air Pollution Control Officer
- **August 2015**: MCWD Appeal denied by Interior Board of Land Appeals

Judge Stan Eller’s decision stated, “The science-based conclusions within the FEIR, the experts’ opinions, the opinions of the consultant’s retained by the agencies, and the conclusions of the agencies themselves are consistent in establishing substantial evidence that there is no connectivity between the deep geothermal reservoir and MCWD’s groundwater aquifer.”

MCWD Misrepresentations

- From below the cold groundwater zone, Ormat will annually pump 29,000 acre-feet of hot water.
- CD-IV analysis to date is inadequate to conclude no adverse impact is expected.
- Ormat refuses to drill sufficient monitoring wells.
- Negotiations with Ormat on a monitoring plan have broken down and Ormat is uncooperative

The Truth About CD-IV

- CD-IV will extract heat from significantly less geothermal fluid than what is claimed and return 100% of that fluid back into the resource to be reheated, making this a completely sustainable, renewable cycle. Since 2006, 60% of the intended water has been extracted, and reinjected each year, and monitoring reveals no impact to the geothermal or cold water zones.
- Expert-reviewed data from over 30 years of operation show no adverse impacts to groundwater and zero connectivity between the Basalt Canyon resource and the cold groundwater.
- Ormat has drilled two groundwater monitoring wells near Shady Rest Park. No data supports additional drilling at this time.
- Ormat has made tremendous efforts to work with MCWD to further enhance our monitoring and mitigation plans beyond what is required by regulation.

If Ormat’s operations have ANY adverse effects on the community’s groundwater we are obligated to act!

Glossary of Acronyms

- BLM = Bureau of Land Management
- CD-IV = Casa Diablo IV
- CURE = California Unions for Reliable Energy
- EIS/EIR = Environmental Impact Statement/Environmental Impact Report
- LIUNA = Laborers’ International Union of North America
- LVHAC = Long Valley Hydrologic Advisory Committee
- MCWD = Mammoth Community Water District
- USFS = United States Forest Service

Visit mammothpacific.com to find out more!