

Mariposa Energy Project

BYRON, CA



Overview

The Mariposa Energy Project is a 198-megawatt (MW), natural gas, simple-cycle electric peaking generating station. Located in Alameda County in the Bay Area local capacity resource area, it supports renewable wind and solar power sources in the area. The Project is also currently developing a Battery Energy Storage System (BESS) on the site.

Mariposa helps to ensure a reliable supply of energy as California increases reliance upon renewable resources by providing on-demand standby power capacity for grid stability. With its quick startup time, it can be dispatched incrementally with just a minimum output of 25 MW. Mariposa utilizes a dry-cooling system and is a zero liquid discharge site, ensuring that plant has minimal impacts on water resources in the area.

DGC Management, LLC is the Asset Manager providing asset management services; and DGC Operations, LLC serves as the Operator providing O&M services for Mariposa. The facility is powered by four General Electric (GE) LM6000 PC Sprint combustion turbines generators, which employ Best Available Control Technology to limit emissions and noise.

LOCATION:

4887 Bruns Road
Byron, CA 94514

TYPE:

Natural Gas, Simple-Cycle Peaker

NOMINAL CAPACITY:

198 MW

COMMERCIAL OPERATION DATE:

2012

DGC ROLE:

Ownership / Asset Management / O&M / Development

DGC OWNERSHIP:

100%

Project Benefits

RELIABLE GENERATION:

Available to operate an average of 99.3 percent of the scheduled time over the past five years.

COMMUNITY:

Mariposa benefits the local community by providing a clean, reliable source of energy and capacity along with contributing over \$3 million per year to the local community in the form of property taxes and payroll.

RENEWABLE ENERGY AND THE ENVIRONMENT:

Mariposa's on-demand power supports existing and future renewable generation resources by providing "backstop" power to the grid when the sun isn't shining or the wind isn't blowing.



CAISO RESOURCE ID:
KELSO_2_UNITS

NQC BY UNIT:
198.03

RESOURCE TYPE:
Combustion Turbine

**MINIMUM QUALIFIED FLEXIBLE
CAPACITY CATEGORY:**
Flex 1

TAC AREA:
PG&E

CAPACITY AREA:
Bay Area, Contra Costa

RESOURCE CATEGORY, CPUC:
4, All Hours

 **GAS
INTERCONNECTION:**
PG&E

 **ELECTRIC
INTERCONNECTION:**
**230 kV PG&E / CAISO
KELSO_2_N001
(PG&E Substation)**

 **WATER SUPPLY:**
BBID

 **OTHER:**
**Local Generation
Local Employees**

 **SITE:**
**10 acres within
158 acre parcel**

Mariposa Energy Project is owned by a subsidiary of Diamond Generating LLC.

About Diamond Generating LLC

Diamond Generating LLC is a world-class independent power producer with a successful track record as a developer, owner, manager and operator of power generation assets across North America. Diamond Generating currently has ownership interest in 14 operating power generating facilities in the U.S. and Mexico, having total output capacity of approximately 7,800 MW, with net equity of 3,300 MW. Diamond Generating has been a long-term power generation owner in California and is dedicated to the ensuring a long-term reliable energy supply for California.



Diamond Generating LLC
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Learn More About DGC: www.dgc-us.com
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