

Sentinel Energy Center

NORTH PALM SPRINGS, CA



Overview

The Sentinel Energy Center is an 800-megawatt (MW) natural gas, simple-cycle electric peaking generating station located in the LA Basin area of California. It is the largest plant of its kind in the world with eight state-of-the-art General Electric (GE) LMS100 aeroderivative combustion turbines. Sentinel supports California's increasing emphasis on renewable energy by providing flexible capacity that can start and stop on demand in response to fluctuations in supply from intermittent renewable electricity sources such as wind and solar. Sentinel is also currently developing a Battery Energy Storage System (BESS) on the site with its excess interconnect capacity.

California's population growth continually increases the need for clean, efficient electricity generation facilities. The ability of Sentinel enables the reliable integration and expansion of intermittent renewable resources such as wind and solar facilities, by producing sufficient electricity to stabilize the grid and power the entire Coachella Valley.

LOCATION:

15775 Melissa Lane
North Palm Springs, CA 92258

TYPE:

Natural Gas, Simple-Cycle Peaker

NOMINAL CAPACITY:

800 MW

COMMERCIAL OPERATION DATE:

2013

DGC ROLE:

Ownership / O&M

DGC OWNERSHIP:

50%

Project Benefits

RELIABLE GENERATION:

Available to operate an average of 98 percent of the scheduled time over the past five years.

COMMUNITY:

Sentinel generates new local revenues, including \$25 million in sales tax, \$6 million in annual property taxes, and 17 permanent jobs. During the construction phase, over 700 direct and indirect jobs were created with a \$55 million payroll.

RENEWABLE ENERGY AND THE ENVIRONMENT:

Sentinel'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:

SENTNL_2_CTG1 SENTNL_2_CTG5
SENTNL_2_CTG2 SENTNL_2_CTG6
SENTNL_2_CTG3 SENTNL_2_CTG7
SENTNL_2_CTG4 SENTNL_2_CTG8

2020 NOC BY UNIT:

103.76 (UNIT 1) 103.81 (UNIT 5)
95.34 (UNIT 2) 100.99 (UNIT 6)
96.85 (UNIT 3) 97.06 (UNIT 7)
102.47 (UNIT 4) 101.8 (UNIT 8)

**MINIMUM QUALIFIED FLEXIBLE
CAPACITY CATEGORY:**

Flex 1

TAC AREA:

SCE

CAPACITY AREA:

LA Basin

RESOURCE CATEGORY, CPUC:

4, All Hours

Sentinel Energy Center is owned by Sentinel Energy Center LLC, which includes the affiliates of Diamond Generating LLC, Partners Group and Voltage Finance 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.



**GAS
INTERCONNECTION:**
SoCalGas



**ELECTRIC
INTERCONNECTION:**
SCE, Devers



OTHER:
Local Generation
Local Employees



SITE:
37 acres



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Learn More About DGC: www.dgc-us.com
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