

# Southern California Edison Co. at Catalina Island

## Utility

The remote island of Santa Catalina, which sits off the Southern California coast, in the United States, commonly known as Catalina Island, is renowned for its scenic ocean views, distinctive Mediterranean charm, and picturesque island paradise. Fortunately, absent from this popular tourist destination are California's frequent "brown outs" thanks to Southern California Edison and 23 C65 Capstone Microturbines.

With an isolated power grid that relied on dirty diesel internal combustion engines for electricity, Catalina Island needed to upgrade its outdated grid to meet California's strict air quality standards. In addition, the utility needed to improve system voltage and frequency to accommodate large shifts in energy consumption.

Located approximately 22 miles (35 kilometers) off the coast, the island is home to 4,000 full-time residents. Primarily a tourist destination, the island's population swells to over 10,000 energy consumers on weekends and throughout the summer. The stunning island has served as the backdrop to over 500 motion pictures, documentaries, television programs, and commercials.

"What the Capstone microturbines do for Southern California Edison on Catalina Island is allow us to meet the island's electrical demand and frequency moment by moment perfectly," said Ronald Hite, Southern California Edison's District Manager.

Southern California Edison, the largest subsidiary of Edison International (NYSE: EIX), is the primary electricity supplier for much of Southern California. The utility operates the island's Edison Pebbly Beach power station near Avalon where the Capstone C65s supplement the utility's electrical



**What the Capstone microturbines do for Southern California Edison on Catalina Island is allow us to meet the island's electrical demand and frequency moment by moment perfectly."**

— Ronald Hite, District Manager  
Southern California Edison

## Power Profile

### Customer

Southern California Edison Co.  
at Catalina Island

### Location

Catalina Island, California, USA

### Commissioned

December 2011

### Fuel

LPG

### Technologies

- 23 C65 Capstone microturbines

An aerial photograph of Catalina Island, showing a harbor filled with numerous sailboats and yachts. The island's coastline is visible, with buildings and greenery. The image is overlaid with a semi-transparent green filter.

**Smarter Energy  
for a Cleaner Future**