



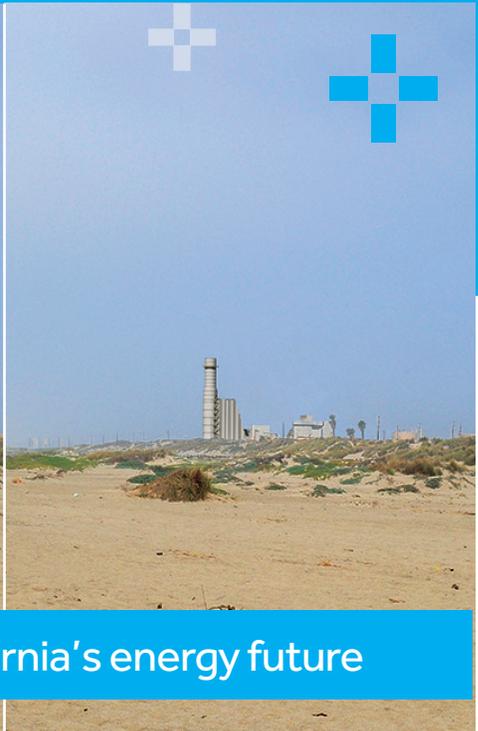
# Puente Power Project



View of Mandalay Generating Station today



Simulated view including the Puente Power Project



Simulated view of improved coastline possible under an agreement with the city of Oxnard

A bridge to California's energy future

## From a clean energy need ... a clean energy solution.

**Background:** For many years, two large electricity generation units at the Mandalay Generating Station have provided power for the Oxnard, CA area and beyond. This current situation, however, will have to change in 2020. To comply with "Once-Through- Cooling" requirements, the plants will need to either be retrofitted with alternative cooling approaches or replaced with more modern, efficient units that do not use ocean water.

## A flexible, efficient approach to meet California's energy needs.

**Solution:** NRG Energy, Inc. believes climate change is one of the most significant challenges facing humankind – and we want to be part of the solution. Addressing climate change means reducing the greenhouse gas emissions intensity of electricity generation, a core goal of NRG and a driving force behind our approach in Oxnard.

Here, the Puente Power Project (P3), when implemented, will serve as a bridge to California's energy future. In fact, the name "Puente" itself is derived from the Spanish word for bridge. The finished unit will be a very flexible, fast-start and efficient power plant – one that can augment and complement renewable energy to help ensure a stable and reliable supply of electricity today and tomorrow.

### PROJECT BENEFITS

generating a nominal

**267 MW**

of new, state-of-the-art electricity



enough to power over 130,000 homes



Provide flexible capacity to help reliably integrate additional renewable sources of electricity

Provides needed increased property tax revenue of

**\$2.8 million**

and sales tax revenue of over

**\$5 million**



NRG's Ormond Beach Generating Station

Specifically, this means the ability to come up to full power within minutes should renewable generation slow down and, alternatively, reduce power output when renewable sources are sufficient to meet demand. The facility will also require very little water to operate, making it ideal in drought-constrained scenarios.

## Providing a reliable source of electricity.

**Real need, right solution:** The California Public Utilities Commission has identified a need and informed Southern California Edison (SCE) to procure 215-290 megawatts (MW) of generation to support energy needs in the area for 2021 and beyond. After a competitive process where many types and locations of generation were considered, SCE confirmed P3 to be the best overall sustainable approach to meet this need.

Moving forward, the California Energy Commission will be the permitting authority for the project and will evaluate all aspects of the approach through a public process. In order to comply with this process and meet the schedule for completion, NRG filed an application for certification in April of 2015.

**Implementation:** Demolition of the two existing Mandalay units goes beyond any legal obligation related to safe retirement of the existing facility. However, NRG is open to working with the city of Oxnard on a demolition plan in order to enhance the overall visual presence of the site. If the P3 project should not move forward, continued operation of the existing Mandalay units may be required.

**Long-term view:** Climate change is expected to contribute to sea level rise, the frequency and intensity of weather-related events and shifting coastlines. The design of P3 addresses these potential impacts and allows for the utilization of the existing industrial site, while ensuring it will remain a reliable source of electricity for the region in the years ahead.

### SUSTAINABILITY

Repurposing existing infrastructure to minimize impacts and LEED certified

### ECONOMY



KEEPS HIGH PAYING JOBS IN OXNARD

### WATER USE

80%

reduction in potable water use at P3 vs. existing units

### FOR MORE INFORMATION CONTACT:

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