

# Energy Infrastructure

## Agua Mansa Power Project Colton, California

**Operating Fuel:** Natural Gas

**Electric Capacity:** 43 MW

**Contract value:** \$43.6 million

**In Service Date:** June 2003



The Agua Mansa Power Project produces approximately 43 MW of electric power to supply the bulk of the capacity and energy needs for the City of Colton Public Utilities. The Project replaces contract energy purchases and will effectively protect the City's customers against volatility in the California energy market by permitting the City to own and control its own electric generating resources interconnected on its 66 kv electric transmission system. In order to support the City's interest in fostering economic development, NORESKO is cooperating with the City to provide process steam to a prospective host industrial and is working with Colton Public Utilities to expand the Project through the subsequent installation of one or more additional gas turbines equipped with heat recovery steam generators and a steam turbine.

The Project is based upon the installation of a single LM 6000 Sprint aeroderivative gas turbine, provided by General Electric Packaged Power, Inc., operating in simple cycle mode. The Project includes necessary gas compression, water treatment and

stringent environmental controls required to meet the requirements of the South Coast Air Quality Management District, including a hot SCR and CO catalyst. Raw water for injection into the gas turbine for control of nitrogen oxide emissions and power augmentation will be obtained from an adjacent municipal wastewater treatment facility. The entire plant is attractively landscaped and will meet all local noise and siting requirements.

NORESKO is providing full scope development, construction and commissioning services under the terms of a lump sum, turnkey Engineering, Procurement and Construction Contract. NORESKO will also provide construction and project management and will operate and maintain the facility under a term O&M Agreement. In order to further support the needs of Colton Public Utilities, NORESKO will provide fuel management and related services during the operating period.

The fast-tracked project broke ground in mid January 2003, and entered commercial operation in June 2003.

NORESCO is the nation's most experienced energy service company providing comprehensive and proven energy-efficiency solutions and infrastructure development and operations strategies to a wide range of customers. A recognized industry leader installing and operating over \$1.4 billion of proven energy solutions in diverse markets across the nation, NORESKO has built on-site energy infrastructure generating more than 300 megawatts of power, and has helped customers improve energy efficiency saving over 31 billion-kilowatt hours of electricity and 71 trillion Btus of fuel.



NORESCO Corporate Headquarters • One Research Drive, Suite 400C  
Westborough, MA 01581 • 1.888.NORESCO [1.888.667.3726] • [www.noresco.com](http://www.noresco.com)