



# Reid Gardner Generating Station



**Location:** Near Moapa, Nevada

**Peak Generating Capacity:** 557 Megawatts

**Plant Description:** The Reid Gardner Generating Station is a coal-fueled, steam-electric generating plant with four operating units. The first two nearly identical generating units went into service in 1965 and 1968. A third similar unit was added in 1976. Each unit produces 100 megawatts with Foster Wheeler boilers and GE turbine-generators.

The plant's largest generating unit is jointly owned by NV Energy and California Department of Water Resources. This 257-megawatt unit was commissioned in 1983 and uses a Foster Wheeler boiler to drive a Westinghouse turbine generator.

**Employment:** Approximately 150 employees

**Environmental Commitment:** The units at Reid Gardner have undergone a variety of environmental improvements since they were originally built. For example, all of the units have been retrofitted with natural gas igniters – to reduce emissions during start-up operations. Additionally, all of the units now have special burners and an over-fire air system to reduce oxides of nitrogen emissions. All four units utilize a wet-scrubber system to capture oxides of sulfur, and the oldest three units have been recently retrofitted with bag houses that will remove more than 99.9% of any

particulate in the coal-burning process. This project was required by the terms of a Consent Decree entered into with the State of Nevada and the EPA.

## Interesting Features:

- The plant can produce enough electricity to serve approximately 335,000 Nevada households.
- Coal for the plant is shipped in via railroad from mines in Utah, Colorado and Wyoming.
- The generating station's high efficiency scrubbing systems allow it to consistently rank among the top 10 plants nationwide for its low sulfur emission rate.
- The company annually provides approximately \$34 million in tax revenue to Clark County that benefits general county operations, schools, libraries, and other civic activities.



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