

# North Valmy Generating Station



6226 W. SAHARA AVE.  
LAS VEGAS, NV 89146



**Location:** Near Valmy, Nevada

**Peak Generating Capacity:** 522 MW

**Plant Description:** The North Valmy Generating Station is a coal-fueled, steam-electric generating plant with two operating units. The plant and complex are jointly owned (50/50) by NV Energy and Idaho Power. NV Energy is the operating company.

Unit No. 1 went into service in 1981 and produces 254 megawatts with a Babcock & Wilcox Boiler and Westinghouse turbine/generator.

Unit No. 2 went into service in 1985 and produces 268 megawatts with a Foster Wheeler Boiler and General Electric turbine/generator.

**Employment:** Approximately 85 employees

## Interesting Features:

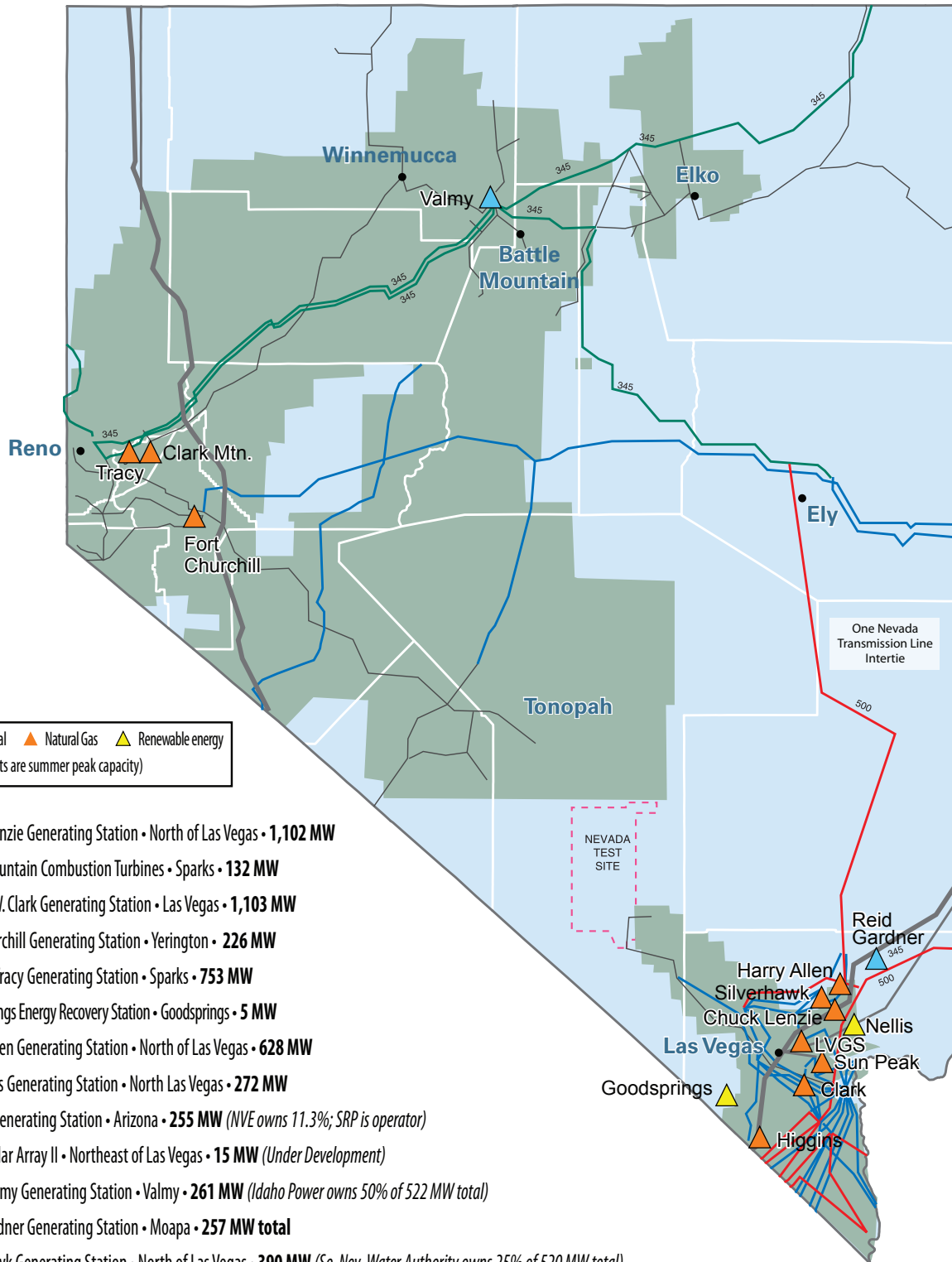
- The plant can produce enough electricity to serve approximately 315,000 Nevada households.
- The North Valmy station is a zero-liquid discharge (ZLD) facility.
- Coal for the plant is shipped via railroad from various mines in Utah, Wyoming and Colorado.

- The power plant uses a variety of emissions-control technologies including state-of-the-art fabric filters that remove more than 99.9 percent of particulate emission. Additionally, a dry sorbent injection system is used on Unit 1 to reduce acid gas emissions, and flue-gas scrubber technology is utilized on Unit 2 for the reduction of sulfur dioxide emissions.
- Valmy Unit 2 was selected by the National Society of Professional Engineers as one of the 10 outstanding engineering achievements in the nation in 1985.
- The company annually provides approximately \$900,000 in tax revenue to Humboldt County that benefits general operations, schools, libraries, and other civic activities.

## NV ENERGY

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Key: Coal Natural Gas Renewable energy  
(All megawatts are summer peak capacity)

- Chuck Lenzie Generating Station • North of Las Vegas • **1,102 MW**
- Clark Mountain Combustion Turbines • Sparks • **132 MW**
- Edward W. Clark Generating Station • Las Vegas • **1,103 MW**
- Fort Churchill Generating Station • Yerington • **226 MW**
- Frank A. Tracy Generating Station • Sparks • **753 MW**
- Goodsprings Energy Recovery Station • Goodsprings • **5 MW**
- Harry Allen Generating Station • North of Las Vegas • **628 MW**
- Las Vegas Generating Station • North Las Vegas • **272 MW**
- Navajo Generating Station • Arizona • **255 MW** (*NVE owns 11.3%; SRP is operator*)
- Nellis Solar Array II • Northeast of Las Vegas • **15 MW** (*Under Development*)
- North Valmy Generating Station • Valmy • **261 MW** (*Idaho Power owns 50% of 522 MW total*)
- Reid Gardner Generating Station • Moapa • **257 MW total**
- Silverhawk Generating Station • North of Las Vegas • **390 MW** (*So. Nev. Water Authority owns 25% of 520 MW total*)
- Sun Peak Generating Station • Las Vegas • **210 MW**
- Walter M. Higgins Generating Station • Stateline • **530 MW**