

STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL PROTECTION – BUREAU OF AIR POLLUTION CONTROL

**Director’s Review and Preliminary Determination of Permit Issuance for**

**Sierra Pacific Power Company (dba NV Energy)  
North Valmy Generating Station  
Humboldt County, Nevada  
February 20, 2026**

Sierra Pacific Power Company (dba NV Energy) (NVE) submitted an application for a Prevention of Significant Deterioration (PSD) major modification to Class I Air Quality Operating Permit AP4911-0457.03, FIN A0375, for the North Valmy Generating Station facility in Humboldt County, Nevada. The project is located approximately 4 miles north of Interstate Highway 80, in all or portions of Sections 20, 21, 28, and 29, Township 35N, Range 43E, M.D.B.&M.

NVE is proposing to install two simple cycle natural gas-fired turbine units to operate in peaking service. The turbines will be General Electric Frame 7F.05 class units configured to operate on a year-round basis as needed to meet the demands of the existing utility grid served by the North Valmy Generating Station. Each unit will have a nominal output at ISO conditions of 220 MW and a maximum heat input of 2,153.4 MMBtu/hr (high heating value). NVE is also proposing to add ancillary units which include an emergency diesel generator and emergency fire water pump engine. The units will be named the following: System 20 – Unit #3 Combustion Turbine (General Electric) (S2.038), System 21 – Unit #4 Combustion Turbine (General Electric) (S2.039), System 22 – Unit #5 1,750 kW Emergency Diesel Generator (S2.040), and System 23 – Unit #6 176 HP Emergency Fire Water Pump Engine (S2.041).

The Nevada Division of Environmental Protection – Bureau of Air Pollution Control (BAPC) has reviewed the application for the above-referenced operating permit and has made a preliminary determination to issue the operating permit. The facility-wide Potential to Emit (PTE), including emissions from Non-Permit equipment are given in the table below.

| Current emissions estimates indicate NVE is a Class I Major Stationary Source, as emissions of one or more criteria pollutant are greater than 100 tons per year (TPY). NVE is classified as a major source of HAPs as the PTE for the combined HAPs are greater than 25 TPY. | <i>NV Energy – North Valmy Generating Station – Potential to Emit (PTE)</i> |  |                                  |             |
|---|---|--|----------------------------------|-------------|
|   | <b>Pollutant</b>  | <b>Changes (tons/year)</b>                   | <b>Facility-Wide (tons/year)</b> |             |
|   | <b>PM</b>   | Particulate Matter                           | 128.5                            | 1,689.8     |
|   | <b>PM<sub>10</sub></b>  | Particulate Matter ≤ 10 microns in diameter  | 128.5                            | 1,689.2     |
|   | <b>PM<sub>2.5</sub></b>   | Particulate Matter ≤ 2.5 microns in diameter | 128.5                            | 1,688.6     |
|   | <b>SO<sub>2</sub></b>   | Sulfur Dioxide                               | 27.8                             | 21,055.2    |
|   | <b>NO<sub>x</sub></b>   | Oxides of Nitrogen                           | 226.0                            | 14,387.8    |
|   | <b>CO</b>   | Carbon Monoxide                              | 323.1                            | 73,346.2    |
|   | <b>VOC</b>  | Volatile Organic Compounds                   | 98.7                             | 578.5       |
|   | <b>Pb</b>   | Lead   | 0.0098                           | 236.5       |
|   | <b>HAPs (all)</b>   | Hazardous Air Pollutants                     | 9.98                             | 2,037.0     |
|   | <b>GHG (CO<sub>2e</sub>)</b>  | Greenhouse Gases (Carbon Dioxide Equivalent) | 2,188,669.1                      | 8,947,177.8 |

The project is located in Air Quality Hydrographic Area (HA) 64 of the Clovers Area. HA 64 is designated as PSD and is triggered for PM<sub>10</sub> and SO<sub>2</sub>. NVE will be subject to the following in this permit action: 40 CFR Part 60 Subpart KKKK – Standards of Performance for Stationary Combustion Turbines for Systems 20 (S2.038) and 21 (S2.039); 40 CFR Part 60 Subpart TTTT<sub>a</sub> – Standards of Performance for Greenhouse Gas Emissions for Modified Coal-Fired Steam Electric Generating Units and New Construction and Reconstruction Stationary Combustion Turbine Electric Generating Units for Systems 20 (S2.038) and 21 (S2.039); 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines for Systems 22 (S2.040) and 23 (S2.041); 40 CFR Part 63 Subpart YYYY – National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Combustion Turbines for Systems 20 (S2.038) and 21 (S2.039); 40 CFR Part 63 Subpart ZZZZ NESHAP for Stationary Reciprocating Internal Combustion Engines for Systems 22 (S2.040) and 23 (S2.041).

The Nevada Division of Environmental Protection – Bureau of Air Quality Planning (BAQP) performed a Significant Impact Level (SIL) air quality modeling analysis. The BAQP allowed the use of SIL values for the North Valmy Generating Station due to previous results from the facility-wide air quality impact analyses, the already established proximity to the NAAAs, or PSD increment values. The proposed changes in this permit action demonstrate that continued operation of NVE will not result in violations of the SIL. Prevention of Significant Deterioration (PSD) review is triggered for this permit action. No adverse air quality impacts are anticipated as a result of the proposed action. NVE shall comply with all State and Federal air quality requirements and all conditions established within the proposed draft operating permit.