

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 (D/B/A NV Energy)
Fort Churchill Generating Station
Lyon County, Nevada
November 3, 2025**

Sierra Pacific Power Company (D/B/A NV Energy) (NV Energy) submitted an application for a renewal of Class I Air Quality Operating Permit (AQOP) AP4911-0091, FIN A0028, for the Fort Churchill Generating Station facility in Lyon County, Nevada. The project is located approximately 38 miles south of Fernley, Nevada, in all or portions of Section 25, Township 15N, Range 25E, M.D.B.&M.

The Fort Churchill Generating Station is an electrical power generating station consisting of two steam electrical generating units that generate electricity by releasing energy through combustion of pipeline natural gas fuel. NV Energy is proposing to renew their Class I AQOP. Additionally, the following updates are being proposed: update the UTM coordinates and stack parameters for System 01 (S2.001) and System 02 (S2.002); remove System 04 (S2.006), which will cause a decrease in the overall facility-wide PTE; update the stack parameters for System 05 (S2.009); and update the UTM coordinates for System 06 (S2.008).

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 NV Energy is a Class I (Title V) Source, as emissions of one or more criteria pollutant are less than 100 tons per year (TPY), but is not a PSD major stationary source because the utility boilers were constructed prior to the PSD implementation date of August 7, 1977. NV Energy is classified as an area source of HAPs as the PTE for a single HAP is less than 10 TPY and combined HAPs are less than 25 TPY.	<i>NV Energy – Fort Churchill Generating Station Potential to Emit (PTE)</i>			
	Pollutant		Changes (tons/year)	Facility-Wide (tons/year)
	PM	Particulate Matter	-1.87	1,345.9
	PM₁₀	Particulate Matter ≤ 10 microns in diameter	-1.87	346.9
	PM_{2.5}	Particulate Matter ≤ 2.5 microns in diameter	-1.87	346.9
	SO₂	Sulfur Dioxide	-0.15	578.1
	NO_x	Oxides of Nitrogen	-24.5	2,082.4
	CO	Carbon Monoxide	-20.6	4,415.7
	VOC	Volatile Organic Compounds	-1.35	396.4
	Pb	Lead	0.00	0.0055
	HAP (single)	Hazardous Air Pollutants	< 10	< 10
	HAPs (all)	Hazardous Air Pollutants	-0.16	< 25
	GHG (CO_{2e})	Greenhouse Gases (Carbon Dioxide Equivalent)	-9,876.0	1,464,822.1

The project is located in Air Quality Hydrographic Area (HA) 108 of the Mason Valley. HA 108 is designated as PSD and is triggered for NO_x, PM₁₀, and SO₂. NV Energy will be subject to 40 CFR Part 63 NESHAP Subpart ZZZZ for System 05 Emergency Diesel Generator (S2.009) and 40 CFR Part 63 NESHAP Subpart CCCCCC for System 06 Gasoline Dispensing Facility (S2.008).

Air dispersion modeling conducted by the applicant and the Nevada Division of Environmental Protection – Bureau of Air Quality Planning (BAQP) demonstrates that continued operation of NV Energy will not violate any air quality standard.

Prevention of Significant Deterioration (PSD) review is not triggered for this permit action. No adverse air quality impacts are anticipated as a result of the proposed action. NV Energy shall comply with all State and Federal air quality requirements and all conditions established within the proposed draft operating permit.