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Filed For: Nevada Power Company and Sierra Pacific Power

In accordance with NRS Chapter 719,
this filing has been electronically signed and filed
by: /s Ashleigh Sternod

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This filing has been electronically filed and deemed to be signed by an authorized
agent or
representative of the signer(s) and
Nevada Power Company and Sierra Pacific Power



April 14, 2023

Trisha Osborne
Assistant Commission Secretary
Public Utilities Commission of Nevada
1150 East William Street
Carson City, Nevada 89701

Re: **Nevada Power Company, d/b/a NV Energy, and Sierra Pacific Power Company, d/b/a NV Energy; Portfolio Standard Annual Report for Compliance Year 2022**

Dear Ms. Osborne:

Enclosed for filing are Nevada Power Company's ("Nevada Power") and Sierra Pacific Power Company's ("Sierra") (collectively, the "Companies") aforementioned filing.

The documents accompanying this report are:

1. Draft Public Notice of the filing;
2. Portfolio Standard Annual Report for Compliance Year 2022, which has an eight-part Appendix that includes the required Attestation Letters in Appendix Section 5.3

This filing complies with the requirements of NAC 704.8877 and NAC 704.8879, which requires providers of electric service to submit to the Commission an annual report regarding compliance with the portfolio standard for the previous compliance year. In particular, NAC 704.8877 and NAC 704.8879 require that the following information be set forth:

NAC 704.8879(2)(a).

The capacity of each renewable energy system owned, operated or controlled by the provider, the total number of kilowatt-hours generated by each such system during the most recently completed compliance year and the percentage of that total amount which was generated directly from renewable energy.

Tables 3-4 (Nevada Power) and 4-5 (Sierra) details the capacity of each of the Companies' renewable energy systems for 2022. These tables are found at Sections 3.7 and 4.8 respectively.

NAC 704.8879(2)(b).

Whether the provider began construction on, acquired or placed into operation any renewable energy system.

New Company owned renewable systems are discussed in Sections 3.8 (Nevada Power) and 4.9. (Sierra) of the report.

NAC 704.8877(1)(a) and NAC 704.8879(2)(c).

The total number of kilowatt-hours sold by the provider to its retail customers in this State during the most recently completed compliance year.

Actual retail sales for each company for the calendar year 2022 are reported in Section 3.9 (Nevada Power) and 4.10 (Sierra).

NAC 704.8879(2)(d).

The total number of kilowatt-hours that the provider generated or acquired from renewable energy systems during the most recently completed compliance year and, for that total number of kilowatt-hours, subtotals for the number of kilowatt-hours: (1) Generated by the provider from its own renewable energy systems; (2) Acquired by the provider pursuant to preexisting renewable energy contracts; (3) Acquired by the provider pursuant to new renewable energy contracts; (4) Attributable to the provider from solar thermal systems; (5) Fed back to the provider from net metering systems used by customer-generators and (6) Carried forward by the provider from previous compliance years.”

Tables 3-5 (Nevada Power) and 4-6 (Sierra) provide the required information. Table 3-5 is found in Section 3.10 and Table 4-6 is found in Section 4.11.

NAC 704.8879(2)(e).

The total number of kilowatt-hours that the provider: (1). Sold as a result of customer participation in a voluntary option to purchase all or a portion of the customer’s energy from renewable resources; and (2) Sold pursuant to paragraphs (b) and (c) of subsection 2 of NRS 704.7828.

Table 3-6 (Nevada Power) and Table 4-7 (Sierra) provide the required information. Table 3-6 is found in Section 3.11 and Table 4-7 is found in Section 4.12.

NAC 704.8879(2)(f).

The total number of kilowatt-hours that the provider intends to carry forward from the most recently completed compliance year.

Tables 3-7 (Nevada Power) and 4-8 (Sierra) provide the required information. Table 3-7 is found in Section 3.12 and Table 4-8 is found in Section 4.13.

NAC 704.8877(1)(b)-(c) and NAC 704.8879(2)(f)-(g).

The estimated amount of retail sales the provider expects to sell to its retail customers during the current compliance year and the estimated number of kilowatt-hours that the provider must generate or acquire from renewable energy systems to comply with its portfolio standard for the current compliance year.

Estimated 2023 retail sales in kilowatt-hours are reported in Section 3.13 (Nevada Power) and 4.14 (Sierra). The number of PCs each Company will be required to generate or acquire in 2023 is shown in Table 3-8 (Nevada Power) and Table 4-9 (Sierra). Table 3-8 is located in Section 3.14 and Table 4-9 is located in Section 4.15.

NAC 704.8879(2)(h).

The estimated costs for the utility provider to comply with its portfolio standard for the current compliance year 2023. If appropriate, the utility provider must report such estimated costs for each major type of cost, such as general and administrative costs and costs for purchased power.

Tables 3-9 (Nevada Power) and 4-10 (Sierra) detail the required information. Table 3-9 is located in Section 3.15 and Table 4-10 is located in Section 4.16.

NAC 704.8879(3)(a)-(b).

The provider must make an affirmative showing that the provider complied with its portfolio standard and if not in compliance, the annual report must:

- a) Make a detailed explanation for its noncompliance; and**
- b) Provide any information that would support an exemption for the provider from any administrative fine or other administrative action.”**

The affirmation of compliance for Nevada Power is found at Section 3.16 and is depicted in Table 3-10 in the Section. The affirmation of compliance for Sierra is found in Section 4.17 and is depicted in Table 4-11 in that Section.

NAC 704.8879(4)(a)-(b)

If the provider acquired any kilowatt hours from a renewable energy system that is not owned, operated or controlled by the provider, the annual report must include an attestation from the owner or operator of the renewable energy system that the energy represented by those kilowatt-hours

- (a) Has not been and will not be sold or otherwise exchanged for compensation or used for credit in any other state or jurisdiction; and**
- (b) Has not been and will not be included within a blended energy product certified to include a fixed percentage of renewable energy in any other state of jurisdiction.**

The signed attestation letters are located in Appendix Section 5.3.

Trisha Osborne Assistant Commission Secretary
Public Utilities Commission of Nevada
April 14, 2023
Page 4 of 4

Accompanying this transmittal letter are portions of the filing that are to be kept under seal pursuant to Nevada Revised Statutes § 703.190(2) and Nevada Administrative Code § 703.527 *et seq.* This information is contained in a sealed envelope, appropriately marked, and contains unredacted versions of the following:

- Appendix 5.4 contains customer-specific information regarding electricity usage. As a result, the Companies have designated this information as confidential pursuant to NRS § 703.196 and NAC § 703.5274.
- Appendix 5.8 is being provided confidentially because it contains detailed information regarding the bids received in response to Sierra's solicitation for offers from interested parties wishing to purchase unbundled PCs. Due to the possibility that the Companies may market PCs in the future, publicly disclosing this information places Sierra at a competitive disadvantage. As a result, Sierra has designated this information as confidential pursuant to NRS § 703.196 and NAC § 703.5274.

Pursuant to NAC § 703.5274(2), Sierra requests that the above-described information not be disclosed to the public and that this information remain confidential for a period of five years, after which the Commission may return or destroy these materials, whichever is most convenient. Protective agreements with Staff and BCP have been sent and once executed Staff and BCP will be served with confidential unredacted versions of the above-described material

If you have any questions or concerns pertaining to this filing, please do not hesitate to contact me directly.

Sincerely,

/s/ Michael Knox

Michael Knox
Senior Attorney
Nevada Power Company, d/b/a NV Energy
Sierra Pacific Power Company, d/b/a NV Energy
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DRAFT NOTICE

PUBLIC NOTICE

(Pursuant to NAC 703.162 and NAC 703.5274)

I. Pursuant to NAC 703.160(5)(a), the title of the filing is:

Filing by NEVADA POWER COMPANY, d/b/a NV ENERGY, and SIERRA PACIFIC POWER COMPANY, d/b/a NV ENERGY, for acceptance of their Portfolio Standard Annual Report for Compliance Year 2022.

II. Pursuant to NAC 703.160(5)(b), the name of the applicants are:

NEVADA POWER COMPANY, d/b/a NV ENERGY, and SIERRA PACIFIC POWER COMPANY, d/b/a NV ENERGY.

III. Pursuant to NAC 703.160(5)(c), a brief description of the purpose of the filing is:

This is NEVADA POWER'S and SIERRA PACIFIC'S 2022 Annual Report of the Portfolio Standard for renewable energy filed pursuant to Nevada Revised Statutes ("NRS") Sections 704.7821 to 704.7828, and Nevada Administrative Code ("NAC"), Sections 704.8831 to 8893, including but not limited to NRS 704.7825 and NAC 704.8879. The Portfolio Standard Annual Report provides information to the Commission regarding the actions undertaken by the Companies to comply with the Portfolio Standard for Renewable Energy for Compliance Year 2022.

The Nevada Legislature enacted into law a Renewable Energy Portfolio Standard ("RPS") which mandates that providers of electrical service are required to generate, acquire or save electricity from portfolio energy systems or efficiency measures a number of portfolio energy credits ("PECs") that is equal to or greater than a percentage of their retail sales as defined in NRS 704.7821(1). For the calendar year 2022, that percentage is set at 29% percent of electricity sold to

their Nevada retail customers. Additionally, not more than 10 percent of that total came come from energy efficiency measures. Of the energy efficiency measures, at least 50 percent of that amount must have come from energy efficiency measures installed at service locations of residential customers unless a different percentage is approved by the Commission.

If the Commission determines that for Compliance Year 2022 there was not or will not be a sufficient supply of portfolio energy credits available to the provider pursuant to contract with just and reasonable terms and conditions, the Commission shall exempt the Companies from the remaining requirements as allowable under NRS 704.7821(6).

AND Pursuant to NAC 703.160(5)(c), the effect of the relief upon consumers:

The Portfolio Standard Annual Report is filed pursuant to regulation and does not seek “relief” as that term is used in NAC 703.160(5).

- IV. Pursuant to NAC 703.162(2), a consumer session is not required by NRS 704.069.
- V. This draft notice does not pertain to a tariff filing.

REPORT

NV Energy

Nevada Power Company *d/b/a* NV Energy

Sierra Pacific Power Company *d/b/a* NV Energy

Portfolio Standard Annual Report

Compliance Year 2022

Docket No. 23-040xx

April 14, 2023

NV Energy
Portfolio Standard Annual Report, Compliance Year 2022

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NV Energy
Portfolio Standard Annual Report, Compliance Year 2022

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Glossary of Terms and Abbreviations

2022 Annual Report	Portfolio Standard Annual Report Compliance Year 2022
AB	Assembly Bill
AC	Alternate Current
Commission	Public Utilities Commission of Nevada
COD	Commercial Operating Date
DSM	Demand-Side Management (energy efficiency savings)
DOS	Distribution Only Service
ESP	Energy Supply Plan
kPC	One thousand Portfolio Energy Credits
kW	Kilowatt of AC nameplate capacity, unless noted otherwise
kWh	Kilowatt-hours
MW	Megawatt of AC nameplate capacity, unless noted otherwise
MWh	Megawatt-hours (or one thousand kilowatt-hours)
NAC	Nevada Administrative Code
NGR	NV GreenEnergy Rider
Nevada Power	Nevada Power Company d/b/a NV Energy
NRS	Nevada Revised Statutes
NVE	NV Energy, Inc.
NVTREC	Nevada Tracks Renewable Energy Credits
PC	Portfolio Energy Credit, one kilowatt-hour of renewable energy generated or one kilowatt-hour of energy saved through an efficiency program
PPA	Power Purchase Agreement
PUCN	Public Utilities Commission of Nevada
R-BTER	Renewable Base Tariff Energy Rate
REC	Renewable Energy Credit (1 REC = 1 kPC) Alternative term for a kPC
RFP	Request for Proposal
RPS	Renewable Portfolio Standard
SB	Senate Bill
Sierra	Sierra Pacific Power Company d/b/a NV Energy
WREGIS	Western Renewable Energy Generation Information System

NV Energy
Portfolio Standard Annual Report, Compliance Year 2022

1. Introduction

Nevada Power Company d/b/a NV Energy (“Nevada Power”) and Sierra Pacific Power Company d/b/a NV Energy (“Sierra”) are both wholly owned subsidiaries of NV Energy, Inc., a wholly owned subsidiary of Berkshire Hathaway Energy Company. Nevada Power and Sierra, collectively referred to in this report at times as the “Utilities” or “NV Energy” serve a combined service territory of approximately 45,592 square miles, all in the state of Nevada, and together they serve over 1.39 million electric customers. Nevada Power and Sierra serve approximately 1,006,000 electric customers in southern Nevada, primarily in the Las Vegas area, and 373,000 electric customers in northern Nevada, as well as 181,000 natural gas customers in the Reno-Sparks area of northern Nevada.

This Portfolio Standard Annual Report for Compliance Year 2022 (“2022 Annual Report”) is submitted by Nevada Power and Sierra to the Public Utilities Commission of Nevada (“Commission”) pursuant to section 704.7801 et seq. of the Nevada Revised Statutes (“NRS”) and the corresponding provisions of the Nevada Administrative Code (“NAC”) to document their respective compliance with Nevada’s Renewable Portfolio Standard (“RPS”).

The RPS increased to 29 percent for the calendar year 2022. It will increase to 34 percent for calendar years 2024 through 2026, 42 percent for calendar years 2027 through 2029, and 50 percent for calendar year 2030 and thereafter. In complying with this requirement, for 2022, no more than 10 percent of the overall credits can come from energy efficiency measures, and of those credits, at least 50 percent must come from energy efficiency measures installed at service locations of residential customers. The 10 percent cap will drop to zero starting in compliance year 2025. Energy saved by customers through energy efficiency and conservation measures is referred to as Demand-Side Management (“DSM”).

The Nevada RPS is stated in terms of the number of Portfolio Credits (“PC”) required for compliance. A PC is equal to one kWh of renewable energy generated or one kWh of energy saved through an efficiency program.

NV Energy
Portfolio Standard Annual Report, Compliance Year 2022

2. Executive Summary

Both Nevada Power and Sierra successfully met the 2022 RPS requirement. For Nevada Power, the 2022 RPS required the utility to supply 6,077,700 kPCs. Nevada Power exceeded the requirement by accumulating 7,766,503 eligible kPCs in total.

For Sierra, the 2022 RPS required the utility to supply 2,277,102 kPCs. Sierra exceeded this requirement, accumulating 2,808,786 eligible kPCs in total.

Table 2-1 below summarizes the calculation of the 2022 RPS credit requirement, the total number of eligible credits by credit type, the overall RPS percentage, for each utility and for NV Energy in total.¹

Table 2-1 Nevada Power, Sierra, & NV Energy 2022 Compliance Summary

	Nevada Power	Sierra	NV Energy
Retail Sales (MWh)	20,957,586	7,852,075	28,809,662
RPS Requirement	<u>29%</u>	<u>29%</u>	<u>29%</u>
Credit Requirement	6,077,700	2,277,102	8,354,802
Eligible 2022 Credits (kPCs)			
Non-DSM	7,158,733	2,581,076	9,739,809
DSM (Capped at 10%)	<u>607,770</u>	<u>227,710</u>	<u>835,480</u>
Total	7,766,503	2,808,786	10,575,289
Overall RPS %	37.1%	35.8%	36.7%

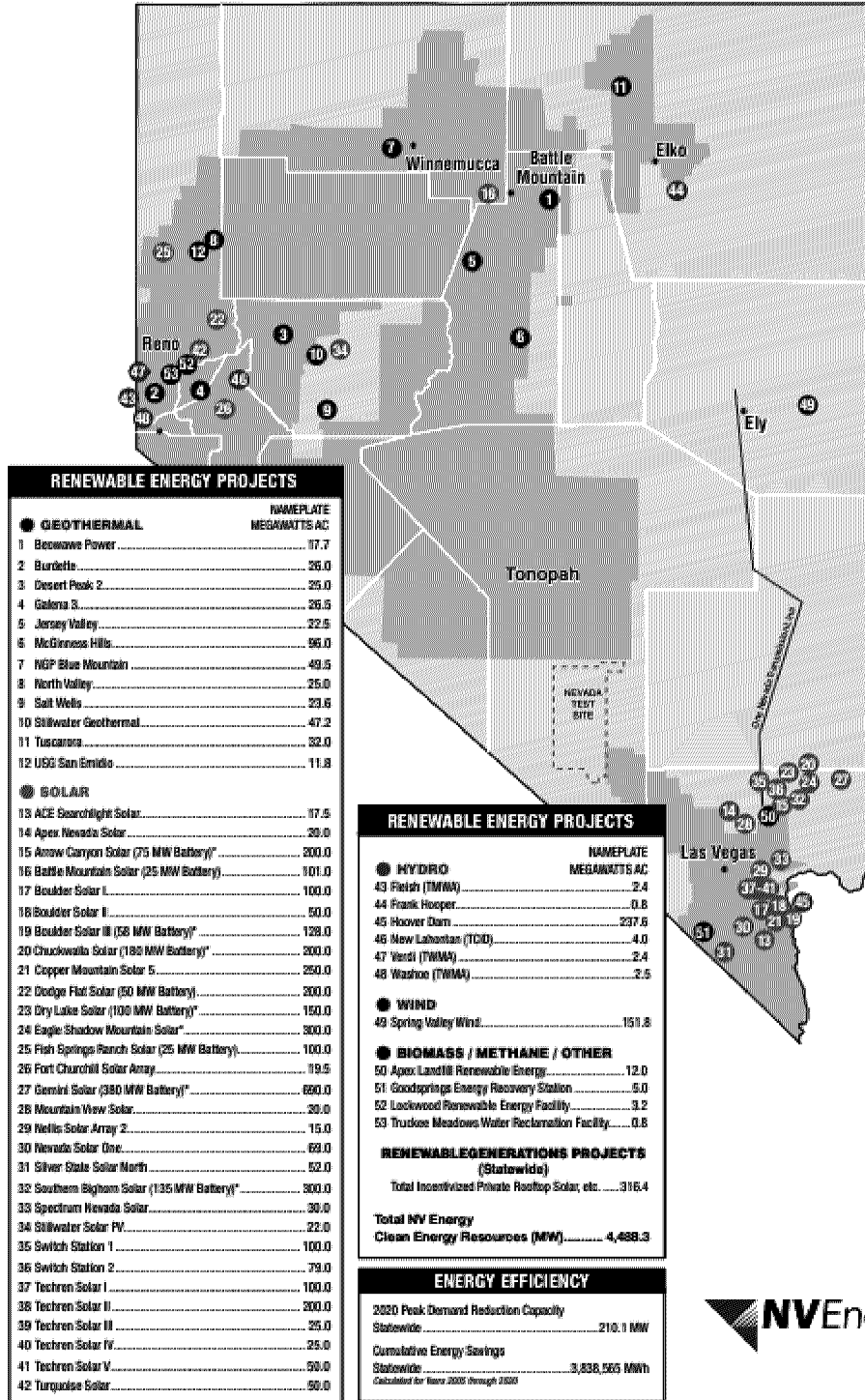
The 2022 Annual Report is divided into two parts, one for each utility, and each part is further divided into sections. There are 18 sections for Nevada Power and 19 sections for Sierra. The sections provide a comprehensive update for each of the key areas, activities and/or metrics that determine the overall results that each utility achieved in 2022 in meeting its statutory and other renewable energy credit commitments. This filing complies with the requirements of NAC §§ 704.877 and 704.998 which require that certain information be set forth.

A map of all facilities operating, in construction, or in development for Nevada Power and Sierra is set forth in the following page in Figure 1 and shows the individual projects by name, type, nameplate megawatt rating and corresponding map location.

¹ Total NV Energy is shown for illustration. The RPS requirements apply to each utility individually.

FIGURE 1. RENEWABLE ENERGY GENERATOR MAP

NV Energy's Clean Energy Commitment

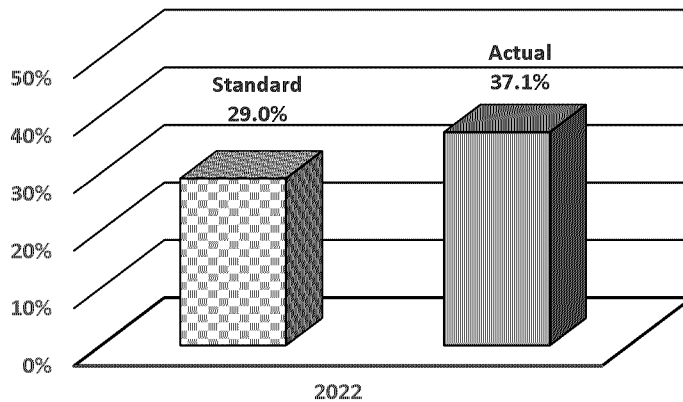


3. Nevada Power Annual Report Requirements

3.1 2022 Nevada Power Overview

Nevada Power exceeded the 2022 RPS credit requirement of 29 percent of retail sales from RPS-eligible resources, achieving 37.1 percent. The RPS percentage shown below in Figure 2 is based on an overall credit requirement of 6,077,700 kPCs and total eligible credits of 7,766,503 kPCs. Ignoring DSM credits in excess of the 10 percent DSM limit, Nevada Power ended 2022 with a net surplus of 1,688,803 kPCs.

FIGURE 2. 2022 NEVADA POWER RPS STANDARD VS ACTUAL PERCENTAGE



Nevada Power ended 2022 with approximately 1,930 MW of operating renewable generation capacity.² All Nevada Power’s operating projects are located in Nevada, and all are currently delivering renewable energy to meet the needs of Nevada Power’s customers. In addition to 1,930 MW of renewable capacity currently in operation, Nevada Power ended 2022 with five photovoltaic projects totaling 1,348 MW in various stages of development and construction. All of these projects include co-located battery storage. Battery storage offers flexibility giving Nevada Power the ability to store generation when demand and prices are low and releasing it back to the grid when demand and prices start to rise. This helps to optimize must-take renewable resources, like solar photovoltaic and wind, where generation and load do not always align.

Table 3-1 below is a list of the Nevada Power pre-commercial, pipeline projects showing the facility name, resource type, approval docket number, projected commercial operation date, nameplate capacity, storage capacity, and energy and capacity allocation as approved by the Commission in the order. The table below excludes Iron Point and Hot Pot. At this time it appears

² The 1,930 MW is calculated based on dividing the Nevada Solar One 69-MW agreement between Nevada Power (46.9 MW) and Sierra (22.1 MW), as previously approved by the Commission. It includes the two PEC only agreements, Nellis 1, 13.2 MW and Las Vegas Water District, 3 MW, and Nevada Power’s allocation of Hoover, 237.6 MW. It includes Eagle Shadow Mountain (300 MW) which started delivering test energy in late 2021 and Nevada Power’s share of Moapa Arrow Canyon (60 MW) which started delivering test energy in September 2022. Both are expected to declare commercial operation in 2023.

