PACIFIC POWER
A DIVISION OF PACIFICORP

825 NE Multnomah Street, Suite 2000
Portland, Oregon 97232

June 14, 2023

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
Attn: Filing Center
201 High Street SE, Suite 100
Salem, OR 97301-3398

RE: LC 82 – PacifiCorp Errata Filing for PacifiCorp's 2023 Clean Energy Plan and Clean Energy Data Templates

PacifiCorp d/b/a Pacific Power (PacifiCorp or the Company) hereby submits the attached Errata to its May 31, 2023, 2023 Clean Energy Plan and June 2, 2023, Clean Energy Plan Data Templates.

The Company determined there was a numerical error in the 2023 Clean Energy Plan on page 25 in table 6 and in the preceding paragraph referencing the table. For convenience, both a red-line and clean version of the corrected page 25 are enclosed.

The Company also determined there were errors in the Clean Energy Plan Data Templates on pages 27 and 57. On page 27 the data in the columns labeled Natural Gas and Coal should be swapped, and on page 57 the last five column headers were missing. Replacement pages are also enclosed.

Informal inquiries may be directed to Stephanie Meeks, Regulatory Manager, at (503) 813-5867.

Sincerely,

Matthew McVee
Vice President, Regulatory Policy and Operations

Enclosure

2023 Clean Energy Plan

Page 25 Table 6

In addition to tracking Oregon-allocated CO_2 emissions, for its CEP PacifiCorp proposes a metric for percent renewables/non-emitting resource mix. Table 6 indicates that PacifiCorp's 2021 Oregon-allocated fuel mix contained ~~24.7~~25.1 percent renewable and non-emitting percentage of electricity used to serve Oregon retail customers. Renewable energy includes biomass, geothermal, solar and wind generation where the company maintains the renewable energy credits. Non-emitting energy represents hydroelectric generation.

Table 6 – Oregon Allocated Renewable/Non-emitting Resources (%)

Source	2021 Oregon Fuel Mix
Renewable	~~19.9~~20.2%
Non-emitting	4.~~8~~.9%
Total	2~~4.7~~5.1%

Oregon-allocated CO_2 emissions for the portfolios analyzed within the CEP are provided in Table 15 of Chapter VI Resource Planning. The company's portfolio analyses indicate that the CEP portfolio, the CBRE portfolio, the small-scale Renewable (SSR) sensitivity portfolio and the No Purchases portfolio are expected to reduce CO_2 emissions relative to the 2023 IRP Preferred Portfolio. On an Oregon allocated basis, CO_2 emissions for each of these portfolios ranges between 2.1 percent and 16.2 percent lower than CO_2 emissions for the 2023 IRP Preferred portfolio. Please refer to Chapter IV Resource Planning for additional portfolio detail.

Energy Equity

Energy equity is the concept that all members of society should be able to afford and have access to a necessary and basic supply of energy. Energy burdened households spend a disproportionate amount of their income on home energy costs. Tracking energy burden by census tract provides an indicator of energy equity for communities in PacifiCorp's Oregon service regions.

Energy burden is average annual housing energy costs divided by average annual household income. PacifiCorp will aim to mitigate and not disproportionately allocate costs to highly impacted communities and vulnerable populations. PacifiCorp defines a customer as experiencing high energy burden when they spend six percent or more of their income on home energy costs. This threshold is based on the definition of "high" energy burden used by the American Council for an Energy-Efficient Economy (ACEEE).[14]

For its CEP, PacifiCorp has established the Interim CBI of Decrease Proportion of Households Experiencing High Energy Burden. The company's energy burden estimates by census tract rely on the Department of Energy's Low-Income Energy Affordability Data (LEAD) Tool.[15] The

[14] Drenhobl, Ariel, Ross, Lauren, and Ayala, Roxana. *How High Are Household Energy Burdens? An Assessment of National and Metropolitan Energy Burden across the United States*. (ACEEE; September 2020) (available online: https://www.aceee.org/sites/default/files/pdfs/u2006.pdf).

[15] Additional information regarding the LEAD Tool Methodology available at www.openai.org.

In addition to tracking Oregon-allocated CO_2 emissions, for its CEP PacifiCorp proposes a metric for percent renewables/non-emitting resource mix. Table 6 indicates that PacifiCorp's 2021 Oregon-allocated fuel mix contained 25.1 percent renewable and non-emitting percentage of electricity used to serve Oregon retail customers. Renewable energy includes biomass, geothermal, solar and wind generation where the company maintains the renewable energy credits. Non-emitting energy represents hydroelectric generation.

Table 6 – Oregon Allocated Renewable/Non-emitting Resources (%)

Source	2021 Oregon Fuel Mix
Renewable	20.2%
Non-emitting	4.9%
Total	25.1%

Oregon-allocated CO_2 emissions for the portfolios analyzed within the CEP are provided in Table 15 of Chapter VI Resource Planning. The company's portfolio analyses indicate that the CEP portfolio, the CBRE portfolio, the small-scale Renewable (SSR) sensitivity portfolio and the No Purchases portfolio are expected to reduce CO_2 emissions relative to the 2023 IRP Preferred Portfolio. On an Oregon allocated basis, CO_2 emissions for each of these portfolios ranges between 2.1 percent and 16.2 percent lower than CO_2 emissions for the 2023 IRP Preferred portfolio. Please refer to Chapter IV Resource Planning for additional portfolio detail.

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Clean Energy Plan Data Templates

Pages 27 and 57

Data reported in this section is Oregon allocated.

8 15% SSR Target Scenario-Pathway 1 Contribution from...

Year	Total GHG Emissions (metric tons)	Market Purchases (metric tons)	Market sales (metric tons)	Natural Gas (metric ton)	Gas Conv (metric ton)	Coal (metric ton)	Biogas (metric ton)	Geothermal (metric ton)
2023	10,825,539	549,955	-	1,956,524		8,658,173	210,842	-
2024	10,136,573	875,686	-	2,145,061	373,785	7,449,114	168,613	-
2025	8,271,223	620,539	-	2,260,273	531,353	5,479,597	-	-
2026	5,469,686	926,500	-	1,909,992	261,057	3,298,638	-	-
2027	6,153,784	935,336	-	1,838,212	467,166	3,848,406	-	-
2028	5,965,415	587,115	-	1,944,004	650,198	3,371,213	-	-
2029	3,862,139	664,016	-	1,696,951	524,148	1,641,039	-	-
2030	1,242,779	584,470	-	874,627	368,152	-	-	-
2031	1,148,575	634,230	-	807,675	340,899	-	-	-
2032	633,744	420,944	-	533,559	100,184	-	-	-
2033	497,488	306,107	-	403,417	94,071	-	-	-
2034	462,799	383,622	-	405,676	57,123	-	-	-
2035	442,768	381,880	-	392,512	50,255	-	-	-
2036	449,601	410,713	-	390,539	59,062	-	-	-
2037	403,507	405,000	-	344,896	58,611	-	-	-
2038	360,672	448,938	-	360,672	-	-	-	-
2039	365,754	483,622	-	365,754	-	-	-	-
2040	-	-	-	-	-	-	-	-
2041	-	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-	-

CEP Portfolio-Pathway 2

Fuel	Biogas	Biogas	Biogas	Biogas	Biogas	Geothermal	Geothermal	Geothermal	Geothermal	Geothermal	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Year	Total GHG emissions (metric tons)	GHG emissions to serve Oregon customers (metric tons)	Total generation (GWh)	Generation serving Oregon customers (GWh)	Weighted average heat rate (MMBTu/MWh)	Total GHG emissions (metric tons)	GHG emissions to serve Oregon customers (metric tons)	Total generation (GWh)	Generation serving Oregon customers (GWh)	Weighted average heat rate (MMBTu/MWh)	Total GHG emissions (metric tons)	GHG emissions to serve Oregon customers (metric tons)	Total generation (GWh)	Generation serving Oregon customers (GWh)	Weighted average heat rate (MMBTu/MWh)
2019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2,923,495	769,466	6,831	1,798	n/a
2020	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3,172,569	860,977	7,413	2,012	n/a
2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2,382,900	642,118	5,568	1,500	n/a
2022															
2023	762,353	203,537	799	213		-	-	272	73						
2024	575,953	155,050	604	163		-	-	272	73						
2025	-	-	-	-		-	-	266	72						
2026	-	-	-	-		-	-	263	70						
2027	-	-	-	-		-	-	250	67						
2028	-	-	-	-		-	-	247	67						
2029	-	-	-	-		-	-	238	65						
2030	-	-	-	-		-	-	238	65						
2031	-	-	-	-		-	-	238	66						
2032	-	-	-	-		-	-	188	53						
2033	-	-	-	-		-	-	172	47						
2034	-	-	-	-		-	-	184	51						
2035	-	-	-	-		-	-	176	49						
2036	-	-	-	-		-	-	184	51						
2037	-	-	-	-		-	-	182	51						
2038	-	-	-	-		-	-	-	-						
2039	-	-	-	-		-	-	-	-						
2040	-	-	-	-		-	-	-	-						
2041	-	-	-	-		-	-	-	-						
2042	-	-	-	-		-	-	-	-						