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NEWS RELEASE

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Perpetua Resources Publishes 2023 Sustainability Report

BOISE, ID - Perpetua Resources Corp. (Nasdaq: PPTA / TSX: PPTA) ("Perpetua Resources" or "Perpetua" or the "Company") released its 2023 Sustainability Report highlighting the Company's key achievements and progress in advancing its environmental, social and governance ("ESG") goals. The report, which is the Company's 11th annual sustainability report, provides disclosure of ESG topics and aligns with the Sustainability Accounting Standards Board ("SASB") reporting framework for the Metals and Mining Industry.

"Perpetua Resources' 11th annual sustainability report demonstrates our commitment to doing business the right way," said Jon Cherry, President and CEO. "Global demand for responsible mineral production is only growing, and our approach to sustainability helps position the Stibnite Gold Project to be the only mined source of antimony in the country. I'm excited to share our performance in health and safety, environmental responsibility, and corporate governance, all of which are foundational to our long-term success."

2023 Sustainability Report Highlights:

- 142 months with no reportable spills
- 97 months with no lost time incidents
- Approximately \$8 million spent in Idaho in 2023; over \$100 million since 2014
- Continued early cleanup work to proactively address legacy water contamination
- Continued Community Water Monitoring Program with the Stibnite Advisory Council
- 4,129 kWh of solar energy produced on site in 2023; 62,170 kWh solar energy produced on site since 2015
- Team members volunteered 1,595 hours in the local community

Perpetua Resources' 2023 Sustainability Report provides an in-depth look at the Company's sustainability achievements over the last year, as well as the Company's efforts to provide the U.S. with a domestic source of the critical mineral antimony, develop one of the largest and highest-grade open pit gold mines in the country, and restore an abandoned brownfield site.

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About Perpetua Resources and the Stibnite Gold Project

Perpetua Resources Corp., through its wholly owned subsidiaries, is focused on the exploration, site restoration and redevelopment of gold-antimony-silver deposits in the Stibnite-Yellow Pine district of central Idaho that are encompassed by the Stibnite Gold Project. The Project is one of the highest-grade, open pit gold deposits in the United States and is designed to apply a modern, responsible mining approach to restore an abandoned mine site and produce both gold and the only mined source of antimony in the United States. Further advancing Perpetua Resources' ESG and sustainable mining goals, the Project will be powered by one of the lowest carbon emissions grid in the nation and a portion of the antimony produced from the Project will be supplied to Ambri, a U.S.-based company commercializing a low-cost liquid metal battery essential for the low-carbon energy transition. Perpetua Resources has been awarded a Technology Investment Agreement of \$59.2 million in Defense Production Act Title III funding to advance construction readiness and permitting of the Project. Antimony trisulfide from Stibnite is the only known domestic source of antimony that can meet U.S. defense needs for many small arms, munitions, and missile types. In addition to the company's commitments to transparency, accountability, environmental stewardship, safety and community engagement, Perpetua Resources adopted formal ESG commitments which can be found here.

Forward-Looking Information

Statements contained in this news release that are not historical facts are "forward-looking information" or "forwardlooking statements" (collectively, "Forward-Looking Information") within the meaning of applicable Canadian securities legislation and the United States Private Securities Litigation Reform Act of 1995. Forward-Looking Information includes, but is not limited to, disclosure regarding possible events, next steps and courses of action. In certain cases, Forward-Looking Information can be identified by the use of words and phrases or variations of such words and phrases or statements such as "anticipate", "expect" "plan", "likely", "believe", "intend", "forecast", "project", "estimate", "potential", "could", "may", "will", "would" or "should". Forward-Looking Information in this news release are based on certain material assumptions and involve, known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Perpetua Resources to be materially different from any future results, performance or achievements expressed or implied by the Forward-Looking Information. Such risks and other factors include those factors discussed in Perpetua Resources' public filings with the U.S. Securities and Exchange Commission (the "SEC") and its Canadian disclosure record. Although Perpetua Resources has attempted to identify important factors that could affect Perpetua Resources and may cause actual actions, events or results to differ materially from those described in Forward-Looking Information, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that Forward-Looking Information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on Forward-Looking Information. For further information on these and other risks and uncertainties that may affect the Company's business, see the "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" sections of the Company's filings with the SEC, including Perpetua's Annual Report on Form 10-K filed with the SEC on March 26, 2024, which are available at www.sec.gov and with the Canadian securities regulators, which are available at www.sedar.com. Except as required by law, Perpetua Resources does not assume any obligation to release publicly any revisions to Forward-Looking Information contained in this news release to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.

