



Perpetua
Resources

2024 SUSTAINABILITY REPORT

Published June 26, 2025



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ABOUT THIS REPORT



At Perpetua Resources, we continue challenging ourselves to lead in all aspects of our operations, including sustainability. The purpose of this Sustainability Report is to provide information on our sustainability journey and progress, and this report includes updates on key Environment, Social, and Governance (ESG) topics with which Perpetua Resources (Perpetua or the Company) engaged in 2024. It also outlines Perpetua Resources' key achievements for the year and provides an update on its ESG performance and commitments. Perpetua Resources' ESG

goals were developed to align with the United Nations' Sustainable Development Goals (UNSDG).

The reporting in this document is aligned with the IFRS Foundation Sustainability Accounting Standards Board (SASB) reporting framework and includes a full quantitative summary in Appendix A. SASB standards guide the disclosure of financially material sustainability information by companies to the investment community.*

*See Materiality Assessment on page 7.

ESG Highlights

In 2024, the Perpetua Resources team maintained its focus on revitalizing an abandoned mining district and providing the nation with mission critical resources through the advancement of the Stibnite Gold Project. The Company's actions over the past year were guided by its commitments to protect the environment, provide opportunities for its community, deliver long-term value for its shareholders and do business the right way. The data to the right includes all activities through December 31, 2024.



2024 AT A GLANCE

HEALTH, SAFETY + WELLBEING



154 MONTHS
with no reportable spills

109 months with no Lost Time Incidents

253 safe fuel hauls without incident or spill, a 100% safety record since 2009

13,815 team training hours since 2013 | **2,310** hours in 2024

GOVERNANCE



100% OF EMPLOYEES

participated in business integrity and compliance related training

Released 11th annual **sustainability report**; 4th aligned with SASB framework

30% of Board Members are gender or ethnically diverse

Customized safety training plans based on employee roles

PEOPLE



73% OF EMPLOYEES
are based in Idaho

36 full-time employees

SOCIAL & ECONOMIC DEVELOPMENT



16,890 HOURS
in the community since 2015 | **1,204** in 2024

~\$132M total Idaho spending since 2014 | **~\$23.6M** in 2024

~\$29.4M total compensation since 2019 | **~\$5.8M** total compensation in 2024

~\$3.6M total community contributions since 2014 | **\$286,500** in 2024

~\$295,000 in charitable giving donations since 2019 | **~\$62,000** in 2024

\$107,500 awarded in student scholarships since 2015 | **\$31,500** in 2024

~\$301,700 in STEM and education support since 2019 | **\$85,400** in 2024

1,262 total community presentations since 2015 | **57** in 2024

280 site tours since 2014 | **28** in 2024

ENVIRONMENT



5,718 POUNDS
of material recycled since 2014 | **255** pounds in 2024

Completed Phase I early cleanup work to proactively address legacy water contamination

Continued Community Water Monitoring Program with the Stibnite Advisory Council

69,807 kWh solar energy produced on site since 2015 | **7,637** kWh solar in 2024



Foreword From the CEO

AT PERPETUA RESOURCES, OUR COMMITMENT TO INTEGRITY AND ACTION CONTINUES TO DEFINE WHO WE ARE, AND 2024 EXEMPLIFIED HOW WE TURN OUR PROMISES INTO REALITY.

Our 2024 Sustainability Report chronicles a period of significant progress for the company, guided by our dedication to responsible stewardship and investment in the region we're proud to call home.

A highlight of this past year was achieving our Final Environmental Impact Statement (FEIS) and receiving a Draft Record of Decision (ROD) in September 2024. This incredible milestone put us firmly on track to secure a Final ROD for the Stibnite Gold Project in January 2025. These achievements bring us ever closer to bringing this important project online.

After the Final ROD was issued, we upheld our values and commitments under the ROD by fulfilling our payments to the Stibnite Foundation, a charitable endowment established to create enduring benefits for local communities. We see this not simply as a transaction, but as an investment in the region's future prosperity for generations to come. Alongside this, our continued partnership with Franco-Nevada has helped us direct a combined \$150,000 to community initiatives, amplifying positive impacts across the region.

Our dedication to improving water quality and addressing historic contamination from prior site owners in the historical Stibnite Mining District, before mining begins, also remained front and center. This year, we completed Phase One of our voluntary early cleanup agreement, bringing the total investment in water quality improvements to more than \$19 million, and the total cleanup of legacy mine waste to 376,000 tons.

As we look ahead, Perpetua Resources remains deeply committed to operating with transparency, restoring the environment, supporting local communities, and fostering a company culture rooted in safety and good governance. We are proud of the path we have forged and optimistic about the exciting road ahead.

Thank you to every team member, partner, neighbor, and stakeholder who continues to believe in our vision. Your support enables us to push boundaries, meet milestones, and help shape the future of sustainable resource development.

SINCERELY,

JON CHERRY
President and CEO of Perpetua Resources



From the Board

AT PERPETUA RESOURCES, OUR UNWAVERING DEDICATION TO ADVANCING THE STIBNITE GOLD PROJECT IS AS STRONG TODAY AS IT HAS EVER BEEN.

Over this past year, the Company marked a key milestone by receiving the Final Environmental Impact Statement and Draft Record of Decision in September 2024, paving the way for our Final ROD, which we secured in January 2025.

This exciting development positions Perpetua Resources to move beyond permitting and further into the next phase of project development. I'm proud to continue working alongside Perpetua's exceptional executive team, whose leadership and commitment to transparency, accountability, environmental stewardship, and strong community partnerships reinforce the values that guide every decision

we make. As we prepare to turn our vision for Stibnite into reality, these core principles remain the bedrock of the Company's culture and our promise to all stakeholders. Through our actions, we intend to prove that modern mining can both meet national strategic needs and create lasting value for communities, shareholders, and the environment.

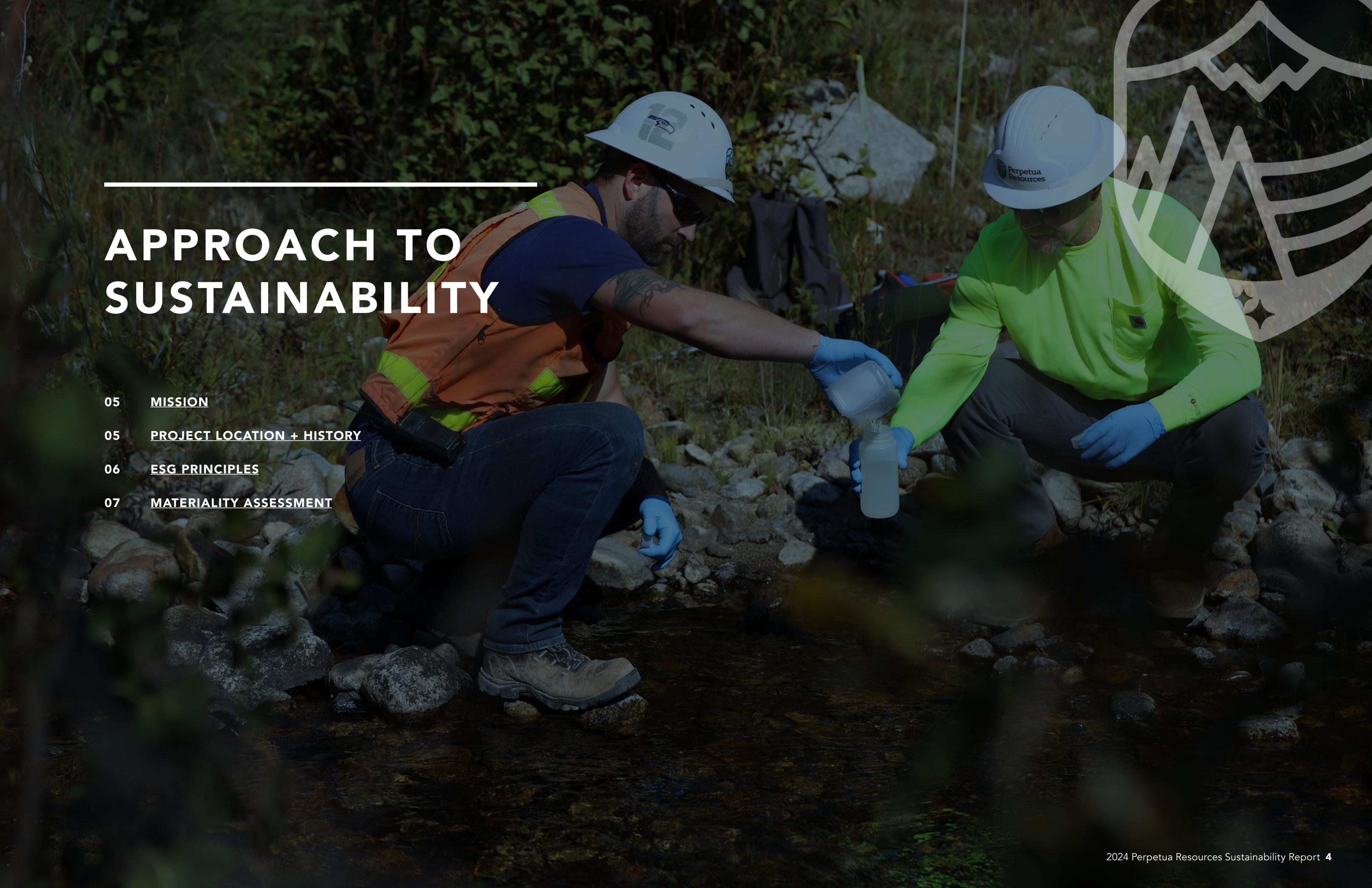
Thank you for your continued support as we cross new thresholds of opportunity and deliver meaningful benefits for generations to come.

SINCERELY,

MARCELO KIM
Chairman of the Board

APPROACH TO SUSTAINABILITY

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- 05 [PROJECT LOCATION + HISTORY](#)
- 06 [ESG PRINCIPLES](#)
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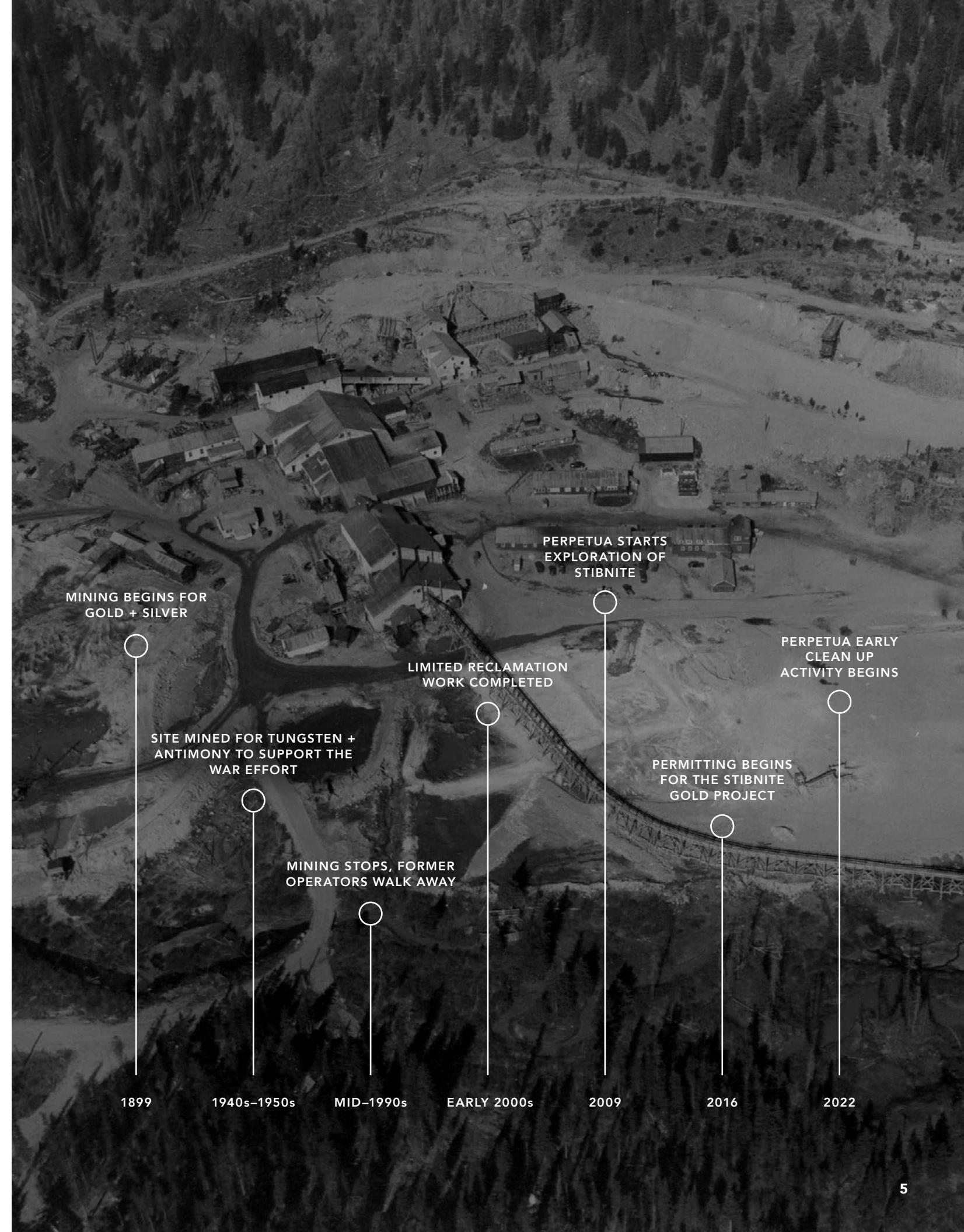
MISSION

Perpetua Resources is dedicated to taking an area abandoned after 100 years of mining activity and using responsible mine redevelopment to provide minerals our nation needs for a more secure and sustainable future, restore the environment, and bring benefit to the communities.

PROJECT LOCATION + HISTORY

The proposed Stibnite Gold Project is located in the historical Stibnite Mining District in Valley County, Idaho. The district has seen more than 100 years of mining activity. During World War II and the Korean War, the site was mined heavily for tungsten and antimony to serve the war efforts. After the war era, gold was mined from Stibnite until the mid-1990's when mining in the district stopped. Unfortunately, only limited reclamation work was ever done, so many environmental legacies remain today.

Perpetua Resources has offices in Boise, Donnelly, and Stibnite, Idaho.





ESG PRINCIPLES



Leave the Project site better than the Company found it, and leave a lasting legacy of positive economic benefits in the community.



Doing the right thing is good for business. Responsible corporate behavior, with respect to environmental, social and governance factors, can generally have a positive influence on long-term financial performance.



Disclosure is the key that allows stakeholders and other interested parties to better understand, evaluate and assess potential risk and return, including the potential impact of environmental, social and governance factors on Perpetua Resources' performance.



Investment analysis should incorporate environment, social and governance factors to the extent that they affect risk and return.



Division of authority and responsibilities among shareholders, directors and managers are key to good corporate governance.

MATERIALITY ASSESSMENT

Perpetua determines materiality for ESG-related topics using a holistic approach focused on areas that have the greatest potential impact to its business and stakeholders. Our ongoing assessments concentrate on areas of focus for stakeholders, including social and environmental performance, as well as those related to risk and return, and those that could have material impact to Perpetua's long-term financial performance.* ESG factors most material to industry peers and best practices being adopted by the mining industry were also considered when identifying materiality.

The material topics addressed in this report include:

GOVERNANCE	SOCIAL	ENVIRONMENT
✓ Business Ethics	✓ Workforce Health & Safety	✓ GHG Emissions
✓ Transparency	✓ Workforce Engagement	✓ Air Quality
	✓ Labor Relations	✓ Energy Management
	✓ Community Relations	✓ Water Management
	✓ Security	✓ Waste & Hazardous Materials Management
	✓ Human Rights	✓ Biodiversity Impacts
	✓ Rights of Indigenous Peoples	✓ Tailing Storage Facilities Management

*See Forward Looking Statement on page 44.



GOVERNANCE

- 09 **GOVERNANCE HIGHLIGHTS**
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- 10 **CORPORATE GOVERNANCE**
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UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

This section aligns with the following goals:



2024 GOVERNANCE HIGHLIGHTS

100% OF EMPLOYEES

participated in business integrity and compliance related training.

Released 11th annual **sustainability report**.

30% of Board Members are gender or ethnically diverse.

Customized safety training plans based on employee roles.



CUSTOMIZED TRAINING FOR EVERY EMPLOYEE

Community and team member safety has always been paramount to Perpetua Resources. A rigorous employee and contractor training program has allowed the Company to go more than nine years without a lost time incident. As Perpetua Resources grew its team over the past year, it intentionally prioritized training and identified how to scale trainings for future hiring initiatives. Each employee receives a customized training plan designed to help them prepare for success in their role within the company.

New employees and contractors must complete safety training before they can go to site. Every year, employees are also required to complete additional trainings reflecting Perpetua Resources' exemplary safety culture. In 2024, employees logged 2,310 training hours.



CORPORATE GOVERNANCE

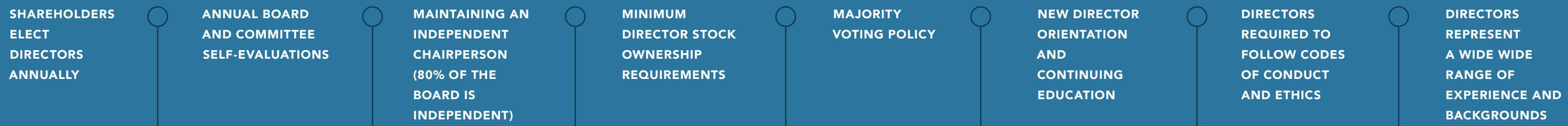
Strong corporate governance is the foundation for good business practices, transparency, accountability and long-term success. Perpetua Resources holds itself to high corporate governance standards in order to mitigate risk and provide a structure that enables long-term value for all stakeholders.

Corporate governance begins with Perpetua's Board of Directors ("Board"), who control and set the direction of the Company. Perpetua's Board is responsible for the oversight of the risks that are relevant to the Company, and delegates certain risk oversight to the Audit, Compensation, Corporate Governance and Nominating and Technical Committees. The Board is comprised of a majority of independent directors with a variety of backgrounds and experience and hold regular meetings throughout the year.

Details of the Company's committee charters and governance policies are available on Perpetua's website: www.investors.perpetuaresources.com/investors/policies



THE BOARD IMPLEMENTS THE FOLLOWING BEST PRACTICES:



ESG GOVERNANCE

Perpetua's Board has direct oversight of the Company's ESG efforts and works to deliver long-term benefits for all of Perpetua's stakeholders.

FULL BOARD OVERSIGHT OF ESG TOPICS

-  STAKEHOLDER ENGAGEMENT
-  ENTERPRISE RISK MANAGEMENT
-  CYBER SECURITY
-  SUSTAINABILITY POLICIES
-  GOVERNMENT RELATIONS
-  EMERGENCY PLANNING + RESPONSE
-  COMMITTEE REPORT OUTS ON SPECIFIC ESG TOPICS

BOARD COMMITTEE OVERSIGHT OF ESG TOPICS

AUDIT COMMITTEE

- ✓ Compliance
- ✓ Whistleblower Policy
- ✓ Code of Conduct + Ethics
- ✓ Cyber Security
- ✓ Political Contributions

COMPENSATION COMMITTEE

- ✓ Executive Compensation
- ✓ Fair Labor Practices
- ✓ Employee Benefits

CORPORATE GOVERNANCE + NOMINATING COMMITTEE (CG&N)

- ✓ Board Governance
- ✓ Anti-Bribery + Anti-Corruption

TECHNICAL COMMITTEE

- ✓ Safety + Health Policies and Performances
- ✓ Environmental Policies + Performances

ANTI-BRIBERY AND ANTI-CORRUPTION MANAGEMENT

EM-MM-150a.1 and EM-MM-150a.2

Perpetua's Anti-Bribery and Anti-Corruption Policy underscores the Company's commitment to transparent, honest, and integrity-driven business practices. Adhering to U.S. and Canadian anti-bribery and anti-corruption laws, the policy applies to all directors, officers, employees, consultants and any other person acting on behalf of the Company. It outlines prohibited activities and sets stringent standards for gifts, entertainment, charitable contributions, and political donations.

Perpetua's management system incorporates many Extractive Industry Transparency Initiative (EITI) Standards, such as: Beneficial Ownership, Social Expenditures, Transparency, Data Accessibility, Project-Level Payments and Subnational Payments, and Multi-Stakeholder Engagement.

View the Company's ESG and supporting policies [on Perpetua's website](#).

PERPETUA RESOURCES'
2024 BOARD
OF DIRECTORS

The Company's Board represents a broad group of distinguished leaders with a variety of skillsets.

Each director is nominated by the Corporate Governance and Nominating Committee and Board and then approved by shareholders annually.

CHAIRMAN	PRESIDENT + CEO	DIRECTOR	DIRECTOR	DIRECTOR	DIRECTOR	CFO + DIRECTOR	DIRECTOR	DIRECTOR	LEAD DIRECTOR
									

CG&N (C)
Technical Technical Compensation
Technical Audit (C)
CG&N Audit
CG&N Technical Technical Audit
CG&N Compensation Audit
Compensation Audit
Compensation Technical (C)
Compensation (C)
CG&N

EXPERIENCE	MARCELO KIM	JON CHERRY	ANDREW COLE	BOB DEAN	LAURA DOVE	RICH HADDOCK	JESSICA LARGENT	JEFF MALMEN	ALEX STERNHELL	CHRIS ROBISON
EXECUTIVE LEADERSHIP	✓	✓	✓	✓	✓	✓	✓	✓		✓
FINANCIAL	✓	✓	✓	✓			✓	✓	✓	✓
ACCOUNTING/AUDIT			✓	✓	✓		✓	✓	✓	
RISK MANAGEMENT	✓	✓	✓	✓		✓	✓			✓
OPERATIONS		✓	✓			✓				✓
INDUSTRY (NATURAL RESOURCES)	✓	✓	✓	✓		✓	✓	✓		✓
ENVIRONMENTAL and/or CLIMATE CHANGE RELATED	✓	✓	✓		✓	✓	✓	✓	✓	✓
HEALTH and/or SAFETY		✓	✓			✓		✓		✓
HUMAN RESOURCES MANAGEMENT		✓	✓				✓	✓		
GOVERNMENTAL AFFAIRS and/or REGULATORY		✓	✓	✓	✓	✓		✓	✓	✓

RISK MANAGEMENT

EM-MM-510A.1

Perpetua's approach to risk management begins with its [Code of Conduct & Ethics policy](#). This policy dictates how the organization is expected to live up to the Company's core values, which influences employees' actions and decisions. It provides a mechanism of accountability for employees and business partners to mitigate potential risks to help prevent them from becoming larger problems.



ENTERPRISE RISK MANAGEMENT

Perpetua's Enterprise Risk Management (ERM) process is designed to help the Company **identify, analyze, report and discuss the top risks with senior leaders and the Board of Directors**. The Chief Financial Officer manages the ERM process and works to promote a culture **focused on minimizing risk and creating and protecting value**.

The Board oversees Perpetua's risk management activities to ensure the Company has an appropriate risk management process in place. As part of regular Board and Committee meetings, the Directors oversee management of risks relevant to the Company. While the full Board has overall responsibility for risk oversight, the Board has delegated responsibility related to certain risks to the Audit Committee, the Compensation Committee, the Corporate Governance and Nominating Committee, and the Technical Committee.

ENTERPRISE RISK MANAGEMENT FRAMEWORK





EOH&S MANAGEMENT SYSTEM

Perpetua Resources utilizes an integrated Environmental, Occupational, Health and Safety (EOH&S) Management System to enhance its risk management practices. This system was developed in accordance with ISO 14001 and ISO 45001 and will undergo third-party audit and certification before the mine is in operation.

As a part of the integrated EOH&S management system's continuous improvement cycle, key advancements in 2024 included:



EMERGENCY RESPONSIVENESS

Perpetua Resources worked closely with the Valley County Emergency Services and Yellow Pine Fire Department to keep contractors and employees safe and away from wildfires near Warm Lake Road. To achieve the desired outcome of promoting a coordinated and successful response to emergency situations, the Company conducted meetings with these agencies to identify needs and future joint trainings.



CONTINUED TRAINING

Perpetua employees logged 2,310 employee training hours in 2024, and its contractors completed another 904. Over the past year, the company placed a strong emphasis on safety and cyber security training as Perpetua added several new members to its team.



SAFETY DESIGNATION

For the second year in a row, Perpetua achieved Safety and Health Achievement Recognition Program (SHARP) designation for its worksite health and safety. SHARP is the Occupational Safety and Health Administration's (OSHA) recognition program for companies that show exemplary commitment to the well-being of their employees.

SOCIAL

16 [SOCIAL HIGHLIGHTS](#)

16 [INVESTING IN CAREER TECHNICAL TRAINING](#)

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UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

This section aligns with the following goals:





EXPANDING CAREER OPPORTUNITIES FOR CASCADE STUDENTS

Perpetua Resources considers itself part of the Cascade community. As such, Perpetua was proud to make a meaningful investment in the success of the next generation of Cascade students. In 2024, Perpetua once again partnered with Franco-Nevada to maximize its community giving for a total investment of \$150,000. Through the Franco-Nevada partnership, the Company dedicated \$40,000 to advance the Cascade School District's Career Technical Education (CTE) program, which provides hands-on experience and on-the-job training for well-paid, in-demand trades.

Perpetua's donation will enable investment in new equipment, certifications, and real-world learning experiences that get students ready to succeed in the workforce. By investing in students in the region, Perpetua can help foster Cascade kids' career pathways, all while strengthening the future growth of the local economy.

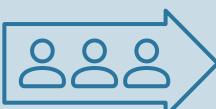


"We are incredibly grateful to Perpetua Resources for this meaningful support. In a community like Cascade, where many of our families work in trades and technical professions, this donation will have a direct and lasting impact on our students. It will help us build robust CTE programs that give students the skills and opportunities they need to secure well-paying jobs right here at home or wherever their careers take them."

—Joni Stevenson
Cascade School District Superintendent

2024 SOCIAL HIGHLIGHTS

COMMUNITY



280 TOURS

of Stibnite since 2014 | 28 in 2024

1,262 community presentations & project updates since 2015 | 57 in 2024

89 office hours held since 2018 | 12 in 2024

66 Stibnite Advisory Council meetings since 2019 | 12 in 2024

ECONOMIC SUSTAINABILITY



~\$132M TOTAL

Idaho spending since 2014 | ~\$23.6M in 2024

~\$3.6M total community contributions Since 2014 | \$286,500 in 2024

\$107,500 in student scholarships since 2015 | \$31,500 in 2024

~\$301,700 in STEM and education support since 2019 | \$85,400 in 2024

2,390 hours of education outreach since 2017 | 39 hours in 2024

16,890 volunteer hours in the community since 2015 | 1,204 hours in 2024

3,000+ hats, gloves, and warm clothes to local students since 2014 | 112 in 2024

36 full-time employees in 2024

73% of employees based in Idaho

~\$5.8M total cash compensation for Perpetua workforce in 2024

PEOPLE, HEALTH & SAFETY



100% SAFE

fuel hauls since 2009 (253 total)

109 months with no Lost Time Incidents and 154 months with no reportable spills as of December 2024

13,815 employee training hours logged since 2015 | 2,310 in 2024

100% employee participation in environmental, occupational health & safety awareness and directed job task specific trainings

COMMUNITY ENGAGEMENT

EM-MM-210A.3

LISTENING TO COMMUNITY FEEDBACK

Good communication is a prerequisite of responsible mining. Perpetua Resources prides itself on its strong working relationships with many of the communities who live closest to the site. Perpetua is committed to public engagement to build trust, accountability, and transparency.

NUMBER OF COMMUNITY ENGAGEMENT HOURS

2019	2,592	2020	1,424
2021	1,269	2022	1,064
2023	1,595	2024	1,204

16,890
(since 2015)

IN 2024:

28

SITE TOURS

280 SINCE 2014

12

COMMUNITY
OFFICE HOURS

89 SINCE 2018

4

WEBINARS

87 SINCE 2020

57

COMMUNITY
MEETINGS &
PRESENTATIONS

1,262 SINCE 2015

12

STIBNITE
ADVISORY
COUNCIL
MEETINGS

66 SINCE 2019



MANAGING RISKS AND OPPORTUNITIES

EM-MM-210B.1

Perpetua Resources maintains open lines of communication with local stakeholders to make sure community interests are prioritized through all stages of the Stibnite Gold Project. From monthly meetings of the Stibnite Advisory Council and monthly Office Hours open to all members of the public, to informal engagement in the community, Perpetua maintains open communications to receive feedback from stakeholders.

Potential social impacts were evaluated by the U.S. Forest Service as a part of the National Environmental Policy Act (NEPA) process. The results of this analysis are made available in the Social and Economic Conditions Specialists Report included in the Final Environmental Impact Statement and Record of Decision and detail potential impacts and opportunities to manage and mitigate the risk of negative impacts.

To see more details view the International Finance Corporation's (IFC) Performance Standards on Environmental and Social Sustainability in Appendix B.



ECONOMIC RIGHTS

Perpetua Resources aims to leave a lasting legacy of economic benefits in Valley County and Idaho. The Company has committed to hiring and contracting locally whenever possible. This commitment includes looking to local provisions and suppliers first. This policy is designed to support social, lifestyle, and economic benefits to residents. Additionally, the Stibnite Foundation was created as a means to directly share profits from the mine through a sustained economic and charitable endowment and benefit to the local community for generations to come.

ENVIRONMENTAL RIGHTS

Perpetua Resources is committed to leaving the Project site better than it is today and has used the "Restore the Site" mantra to guide the project design. The rigorous permitting process has required the Project to demonstrate compliance with state and federal environmental regulations safeguarding clean air, clean water, wildlife and habitat, responsible waste management and more. These permitting processes require opportunities for public and tribal engagement and feedback before approvals are granted. Financial assurance will also be required to ensure that the reclamation is completed.

SOCIAL RIGHTS

Perpetua is committed to being a good neighbor. This starts with open communication to ensure feedback from local communities is gathered early and often. For this reason, Perpetua entered into a Community Agreement in 2018. The Agreement codified the Stibnite Advisory Council as an ongoing forum for direct communication and coordination between Perpetua and representatives from communities closest to the Project. The Council will meet with Perpetua leadership through the life of the Project to share information, discuss community needs, and identify partnership opportunities.

Being a good neighbor also includes supporting community interests to make sure direct benefits are received. Perpetua has worked collaboratively with local representatives to assess needs now and into the future. As a result, Perpetua has already invested in workforce training for local students, contributed funds to expand access to housing, childcare, transportation, and medical care in rural Idaho.

STAKEHOLDER ENGAGEMENT

Effective corporate governance requires continuous stakeholder engagement. Perpetua Resources meets regularly with stakeholders, hosting monthly office hours and providing formal avenues for discussion through the Stibnite Advisory Council. Perpetua hosted over 1,262 community meetings and engagements over the past 10 years.

Below is a summary of the Company's key stakeholders, general issues of concern, the way in which Perpetua engages with each group and highlights from 2024.

Stakeholders	General Issues of Concern	Engagement Processes	Highlights of 2024 Engagements
Shareholders	Share price performance, financial results, permitting progress and results, corporate governance, risk management, ESG performance.	Annual and quarterly financial reports, regulatory filings, annual general and special meetings, investor conferences and events, webinars, website, phone calls, emails, mailings and press releases.	Several investor conferences, site tours for investors, Annual General Meeting, investor webinars including an ESG specific webinar, and more.
Community Members	Employment opportunities, health and safety, care for wildlife habitat and water, community investments and scholarship programs.	Stibnite Advisory Council, Office Hours, community events, site tours.	12 Meetings with the Stibnite Advisory Council, 57 Community meetings and Project presentations, 12 open office hours, 28 tours, continued social media.
Employees	Health and safety, Company strategy, diversity and inclusion, training programs, advancement opportunities, wages and benefits.	Employee policy handbook, employee assistance program, safety and other training programs, employee surveys, performance feedback, regular weekly meetings with executive leadership.	Continued weekly meetings for all employees and executive leadership.
Municipalities & Local Organizations	Potential impacts of the Project on community socioeconomics, infrastructure, recreational resources and emergency services. Compliance with applicable county and city laws. Effort to find solutions.	Participate in and support local events. Communicate continued compliance with applicable laws through continued interaction with community representatives. Maintain communication pathways & encourage participation.	Perpetua Resources met with communities to start developing local impact agreements. 36 meetings with local cities, counties and civic organizations to update them on the Project. The Stibnite Advisory Council invited vital community groups to come and present to the council to help them plan for the future.
Regulators & Governmental entities (state & federal)	Obtain all necessary approvals and permits and demonstrate compliance with applicable laws and regulation. Demonstrate all appropriate environmental monitoring and reporting programs.	Communicate with relevant agencies to understand permitting process. Conduct regular technical presentations and reviews with agencies and communicate Project objectives and environmental goals. Demonstrating continued Project compliance.	Held weekly coordination meetings with the lead agency, U.S. Forest Service, to review progress. Engaged regularly with state and federal permitting agencies on NEPA and ancillary permits.
Non-Governmental Entities (NGOs)	Impacts to environment and communities, particularly rivers, fish, habitat and at-risk species, such as salmon.	Regular outreach to discuss the Project and gather feedback with environmental organizations in Idaho.	Met with interested NGO groups to discuss the Project and tour Project location.
Tribal/Indigenous Communities	Treaty rights, fish habitat, downstream water quality.	Participation in comment periods, regular meetings, mediation.	Continued outreach to tribal governments. Held meetings with the Shoshone-Bannock and Shoshone-Paiute Tribal Councils.
Business Partners, Vendors and Suppliers	Economic opportunities, workforce readiness, and a clean supply chain.	Regular meetings, community and business events and personal communications.	Ongoing workforce survey, vendor and supplier intake forms, regular in-person and virtual engagement opportunities for prospective vendors.



STIBNITE FOUNDATION

AN ENDOWMENT FOR THE FUTURE

Perpetua believes the Stibnite Gold Project should impart an economic vitality to its communities that far outlasts the lifespan of the Project. As a part of the 2018 Community Agreement, Perpetua and eight local communities founded the Stibnite Foundation as a charitable nonprofit. Run by a board of representatives from across the region, the Foundation is currently funded by Perpetua Resources based on development milestones and will shift to annual profit-sharing contributions once the Stibnite Gold Project is in production.

As of the end of 2024, Perpetua Resources contributed \$300,000 to the Foundation along with a contribution of 150,000 shares in the Company. Since 2019, the Foundation board has allocated more than \$220,000 to support local projects. In 2024, the Stibnite Foundation awarded \$32,000 in grants to seven organizations across the region, including regional fire departments and emergency medical services.

Stibnite Foundation	2019	2020	2021	2022	2023	2024
Contribution in Shares to the Stibnite Foundation	150,000 shares (Represents initial 1.5M shares after the 2021 10:1 consolidation)	0	0	0	0	0
Contribution in Cash from Perpetua to Stibnite Foundation	\$200,000	\$100,000	\$0	\$0	\$0	\$0
Stibnite Foundation Community Giving	Stibnite Foundation was officially established in 2019	\$64,000	\$36,000	\$58,200	\$32,000	\$32,000
Number of Nonprofit Organizations Receiving Funds	Stibnite Foundation was officially established in 2019	14	10	17	15	7
Number of Foundation Meetings		11	11	11	11	12



STIBNITE FOUNDATION

2024 GRANT RECIPIENTS:

Horizon's Lifestyle and Education Team:

The grant will allow the Horizons' Lifestyle and Education Team to train teachers around the region to support students with dyslexia

West Central Mountains Youth Advocacy Coalition:

The grant will help to fund a Regional Youth Summit.

Rise Up 2 Thrive:

The grant will provide funds to enhance advocacy and support services.

Ignite Idaho Family Resource Center:

The grant will help to fund their Regional Crisis Response program.

Idaho Trails Association:

The grant will fund Youth Trail Management.

New Meadows Community Farmers Market:

The grant will be used for a Bike Blender and smoothie supplies.

Yellow Pine Community Hall Committee:

The grant will be used to fund structural improvements to the Village Community Center.

Social



STIBNITE ADVISORY COUNCIL

INVESTING IN REGIONAL RESILIENCE

STIBNITE ADVISORY COUNCIL ECONOMIC STUDY

In 2024, the Stibnite Advisory Council released the results of the economic study it commissioned on the Stibnite Gold Project to help communities prepare for what may lie ahead.

Recon Insight Group, the researchers behind the study, concluded the opening, operation, and closure of the Stibnite Gold Project will be a boon to economic activity in Valley County, even under the study's most conservative set of assumptions. Researchers provided analysis on three economic scenarios. The data in the baseline scenario indicates Valley County could see a \$45 million increase in gross output and grow employment rolls by 5%.

The study also reported Valley County's current dependency ratio, the percentage of people not working and working, currently sits at an unbalanced 72.5 non-working to 27.5 working. Recon Insight Group reports an aging population and lack of available workers will cause dynamic shifts in the economy that may result in wealthy retirees leaving the area due to an inadequate labor force to provide services. The study found the Stibnite Gold Project will be key in diversifying and expanding the industry mix, thus increasing the long-term health of the region. The full report is available on the [Stibnite Advisory Council's website](#).

WHEN PERPETUA RESOURCES RECEIVED ITS POSITIVE RECORD OF DECISION FROM THE U.S. FOREST SERVICE IN EARLY 2025, THE COMPANY PRESENTED THE STIBNITE FOUNDATION WITH AN ADDITIONAL \$100,000.



ECONOMIC SUSTAINABILITY & DEVELOPMENT

EM-MM-210B.1

LOCAL ECONOMIC CONTRIBUTIONS

Perpetua Resources has carefully designed its Stibnite Gold Project to benefit the local community. Not only will the Project finance much-needed environmental restoration, it will also inject millions of dollars into Idaho's economy, bring hundreds of jobs to rural Idaho and contribute significant local and state tax revenue.

In 2024, Perpetua Resources provided full-time employment to 36 individuals and purchased goods and or services from 299 Idaho vendors. The Company provided \$5.8 million in total cash compensation to its workforce and spent a total of \$23.6 million USD in the state over the past year. Perpetua's positive economic impact will continue to grow as the Project moves forward.

Perpetua committed early on to hiring, contracting and purchasing supplies and services locally, whenever possible. This commitment helps ensure economic benefits are felt locally and that the Company's staff and contractors are representative of the values, identities, experiences and needs of the region.

MEET ONE OF PERPETUA'S VENDORS

"Perpetua Resources works hard to support the businesses in our region. We've been fortunate to provide products and services from our Yellow Pine restaurant for the company for the past 4.5 years. The team members are always respectful, friendly and it is clear they truly care about our community. Perpetua Resources has helped contribute to our business' success and I know other local business owners feel the same way."

—Tim Aldrich
The Corner



SOCIAL CONTRIBUTIONS & INVESTMENTS

Perpetua wants the Stibnite Gold Project to be a driver for good. One of the most tangible ways to make this happen is through investing in the communities closest to the Project. Whenever possible, Perpetua supports charitable organizations, contributes to community projects, schools and hospitals, and purchases goods locally to keep the economic impact close to home.

Measuring Local Impact	2021	2022	2023	2024	TOTAL*
Total Community Giving	\$474,200	\$560,300	\$269,300	\$299,900	\$1,603,700
Charitable Contributions	\$49,900	\$42,000	\$45,500	\$62,000	\$248,400
Sponsorships of Community Organizations and Events	\$63,800	\$18,100	\$41,800	44,900	\$244,000
Sustainability Programs	\$221,500	\$358,500	\$53,600	\$32,900	\$804,400
Education Outreach and STEM Programming	\$38,000	\$41,400	\$28,700	\$65,900	\$214,700
Stibnite Advisory Council Independent Water Monitoring Program Program started in 2021	\$89,000	\$90,000	\$71,700	\$62,700	\$313,400
Scholarships for Idaho Students	\$12,000	\$10,300	\$28,000	\$31,500	\$92,400
Contribution to Stibnite Foundation	NA	NA	NA	NA	\$100,000

*Total includes total spent by Perpetua to date and includes years before 2021 where applicable.

PEOPLE, HEALTH, SAFETY & WELLBEING

EM-MM-160A.1, EM-MM-320A.1

HAZARD IDENTIFICATION & MITIGATION

Perpetua Resources institutes processes to comply with OSHA standards and reporting, through its Project specific Environmental, Occupational, Health and Safety (EOH&S) Integrated Management System. The Company is not yet regulated by Mine Safety and Health Administration (MSHA) standards, because the Project is not currently in operations, but it will be regulated by MSHA in the future.



2024 HEALTH & SAFETY MEASURES

0	OSHA Lost Time Incidents
0	Fatalities
10.76	Near Miss Frequency Rate*
2,310	Employee Health & Safety Training Hours
904	Contractor Health & Safety Training Hours
N/A	MSHA All-Incident Rate

*Calculated by dividing the total number of near-miss incidents by the total hours worked during 2024, then multiplying by a standard constant of 200,000

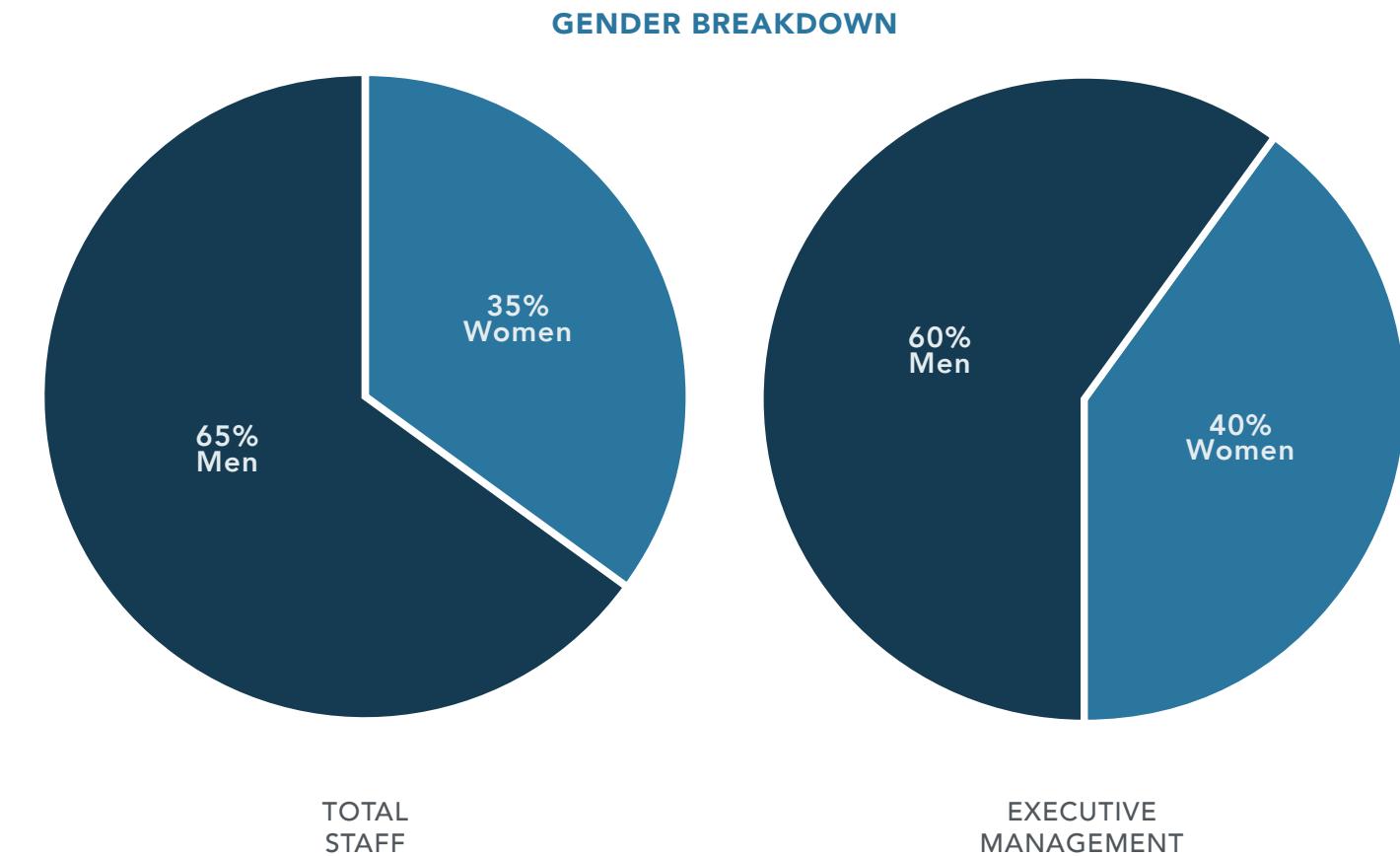
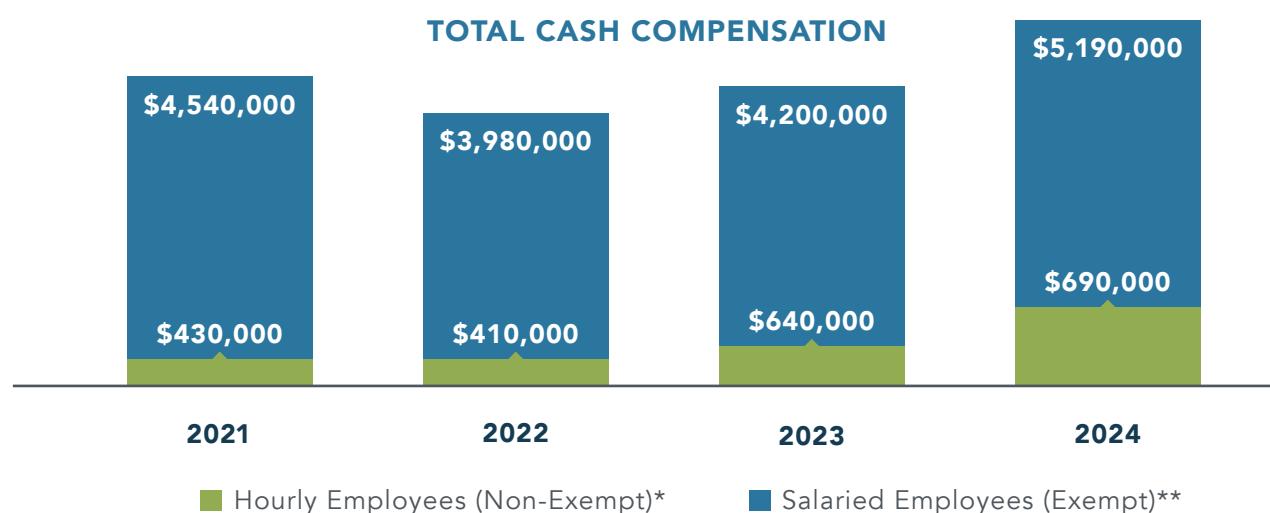
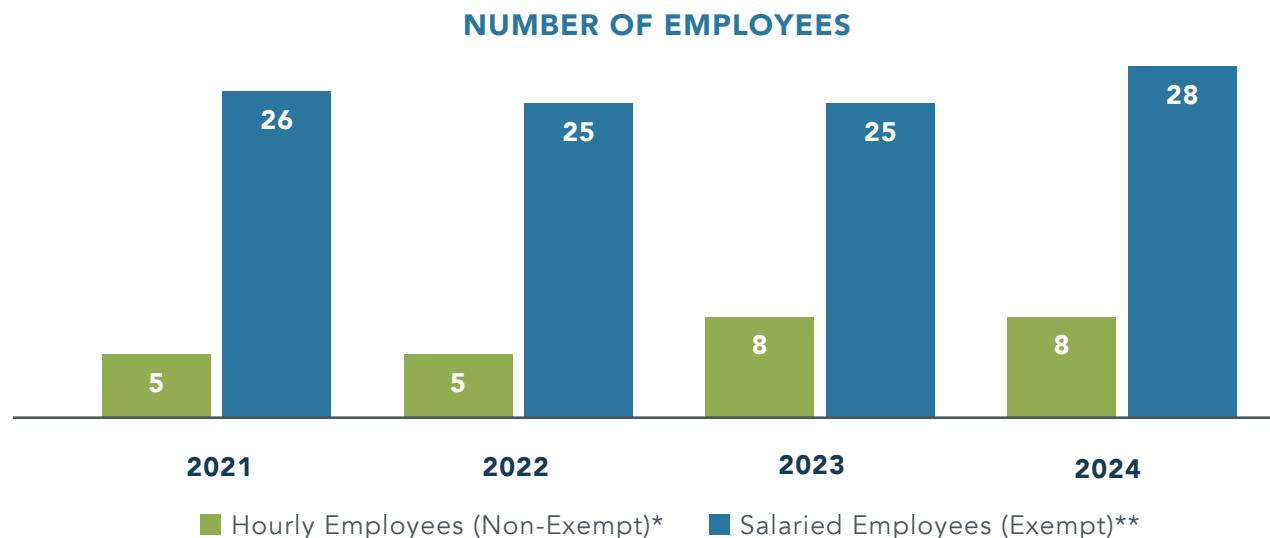
HEALTH & SAFETY TRAINING

Safety is paramount to Perpetua's culture and business. As the Stibnite Gold Project prepares for construction and operations, the Company continues to promote its safety culture, while making training resources available to staff, contractors, and surrounding communities. In 2024, employees logged **2,310** training hours and contractors completed **904** training hours.

LABOR PRACTICES

DRIVING A MODERN WORKFORCE

Perpetua Resources hires its team based on merit and selects the most highly qualified individuals to fill openings. At the same time, the Company welcomes all and recognizes having a diverse pool of candidates with a variety of backgrounds, experiences, expertise and perspectives is key to achieving effective decision-making, strong business performance and continuous innovation. Relative to industry norms, the Company's senior management and staff reflect greater gender diversity. As of December 31, 2024, 40% of executive management and 35% of Perpetua's workforce were female.



FAIR LABOR PRACTICES

EM-MM-210B.1, EM-MM-210A.3

Once in operations, all suppliers of goods and services to the Stibnite Gold Project will be required to uphold a Supplier Code of Ethics, including respect for fundamental human rights and labor rights for all employees, anti-discrimination employment policies and the prohibition of forced or compulsory and child labor.

NON-TECHNICAL DELAYS

EM-MM-210B.2

There were no non-technical work delays to be reported in 2024.

*As of December 31, 2024

**Total cash compensation includes wages, bonuses and employer paid benefits. Excludes equity compensation.

HUMAN RIGHTS

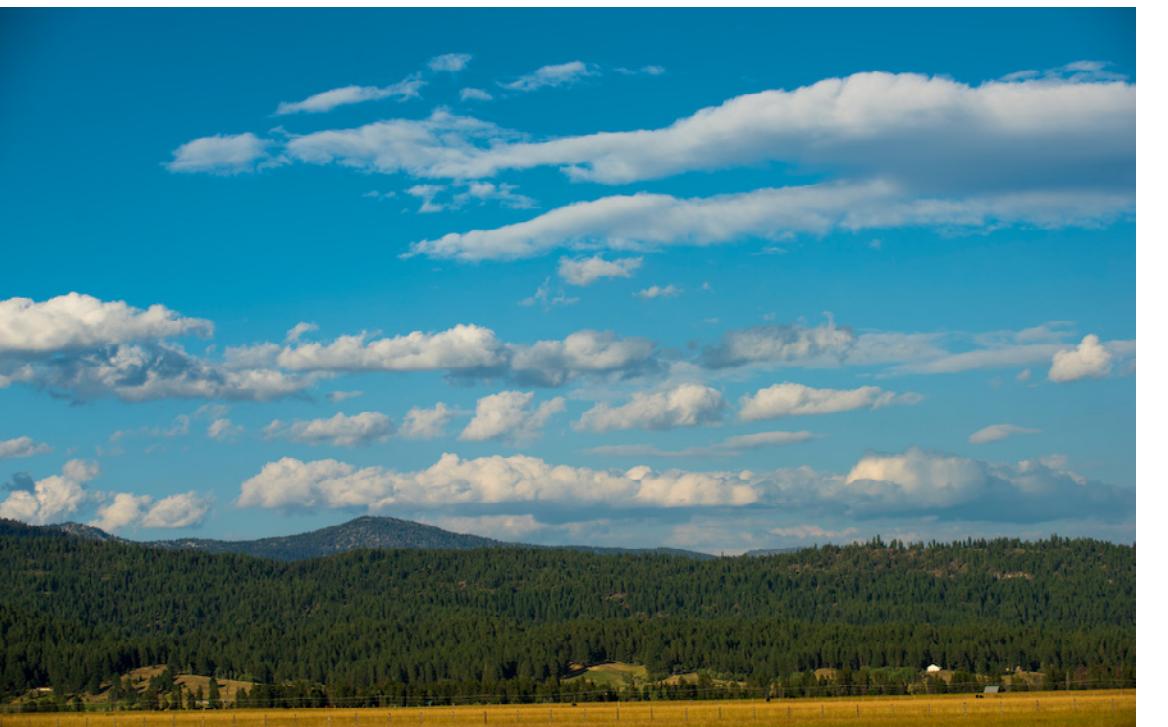
EM-MM-210A.3, EM-MM-210B.1

RIGHTS OF INDIGENOUS PEOPLES & PROTECTION OF CULTURAL HERITAGE

Under the National Environmental Policy Act (NEPA), the U.S. Forest Service has actively participated in Government-to-Government Consultation with three indigenous tribes, integrating ethnographic research to evaluate the potential effects of the proposed Project on cultural heritage. Perpetua Resources has extended financial support to the tribes to facilitate updating their respective ethnographic studies used by the U.S. Forest Service in the NEPA analysis.

Independent of the Government-to-Government Consultation, the Company has consistently pursued engagement with tribal governments to understand their concerns, seek collaborative solutions, and establish an open dialogue.

Perpetua Resources is committed to ongoing, transparent and good-faith engagement with tribal governments to seek tribal feedback, taking into account tribal insights, and collaborating on shared objectives. By doing so, the Stibnite Gold Project can enhance water quality, fish populations, wildlife, and the protection of cultural heritage and other natural resources at Stibnite to benefit all of Idaho.



HUMAN RIGHTS POLICIES AND PRACTICES

Perpetua has established policies that outline the Company's commitment to respecting human rights and indigenous rights. We facilitate annual training, along with educational programs, to raise awareness among employees about these policies and their importance.

HUMAN RIGHTS DUE DILIGENCE PROCESS

In compliance with U.S. laws and regulations, Perpetua ensures human rights are upheld in its operations. The Company's commitment to uphold human rights aligns with the UN Guiding Principles on Business and Human Rights. Should any human rights violations be identified, Perpetua will promptly address, communicate actions taken, and monitor to prevent recurrence.

PROJECT GRIEVANCE PROCESS

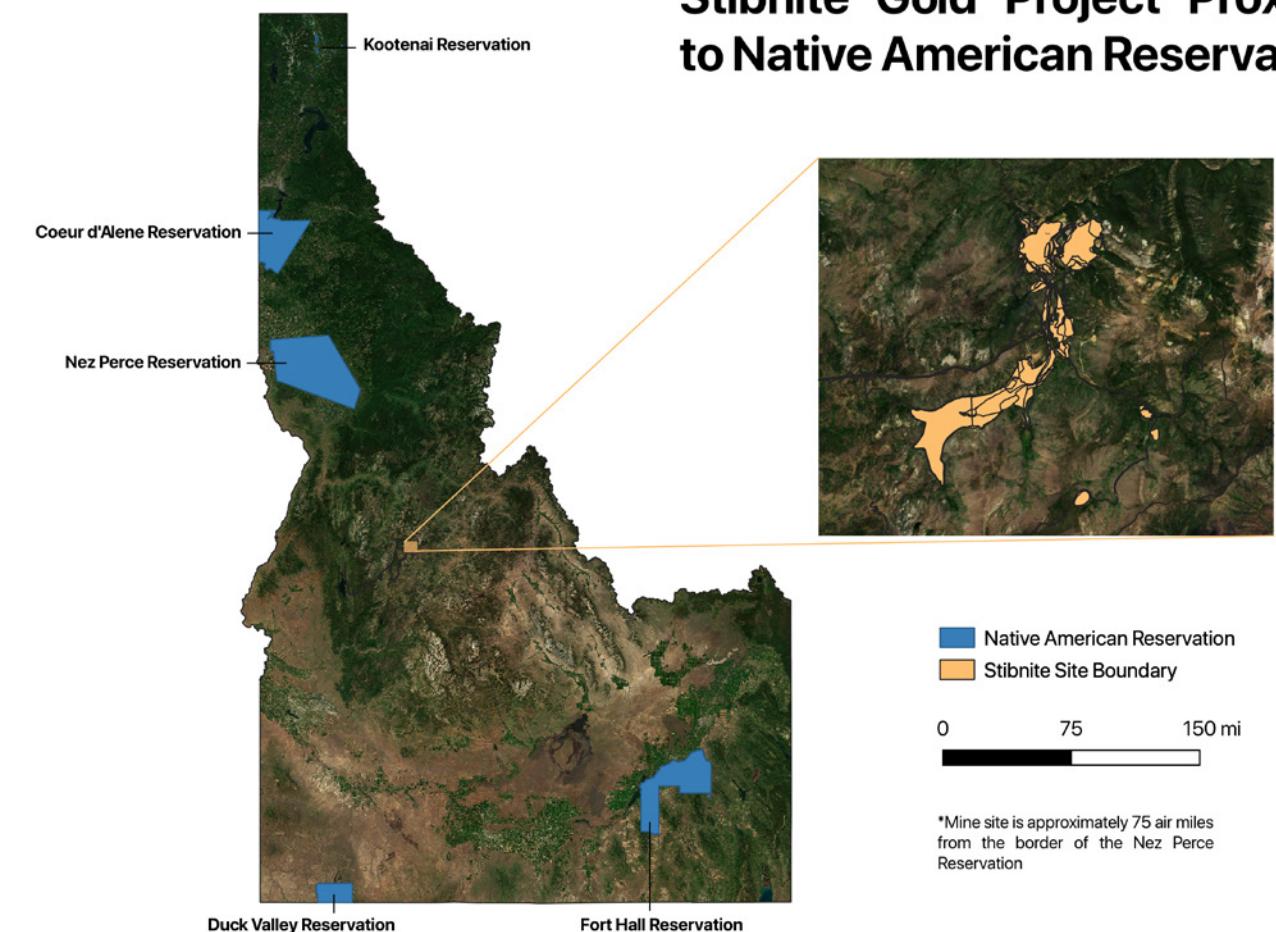
As Perpetua expands its operations, the Company will evaluate implementing a formal grievance response process to offer an effective and transparent avenue for stakeholders to voice concerns. Currently, the Company provides opportunities for stakeholders to share feedback through regular Office Hours, a confidential whistleblower line, a public safety forum, and the Stibnite Advisory Council.



PROCEDURES FOR OPERATING IN AREAS OF CONFLICT

The Voluntary Principles on Security and Human Rights and the Organization for Economic Co-operation and Development (OECD) Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas are not directly applicable to Perpetua due to well established U.S. legal and regulatory frameworks, which mitigate the risk of conflict-related issues and human rights violations. Perpetua will review and update its policies should issues arise.

Stibnite Gold Project Proximity to Native American Reservations



ENVIRONMENT

- [28 **2024 HIGHLIGHTS**](#)
- [29 **PHASE I EARLY CLEAN UP**](#)
- [30 **WATER + AIR QUALITY**](#)
- [31 **WASTE + TAILINGS MANAGEMENT**](#)
- [32 **CLIMATE CHANGE + ENERGY MANAGEMENT**](#)
- [33 **HABITAT + BIODIVERSITY**](#)

UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

This section aligns with the following goals:



2024 ENVIRONMENT HIGHLIGHTS

AIR, WATER & HABITAT



COMPLETED PHASE I

early cleanup construction actions to address legacy water contamination

\$973,000+ for dust abatement and road maintenance since 2014

Invested \$19M to improve water quality of site since 2021.

WASTE



5,718 POUNDS
recycled since 2014

255 pounds recycled in 2024

2.7 tons of scrap metal recycled in 2024

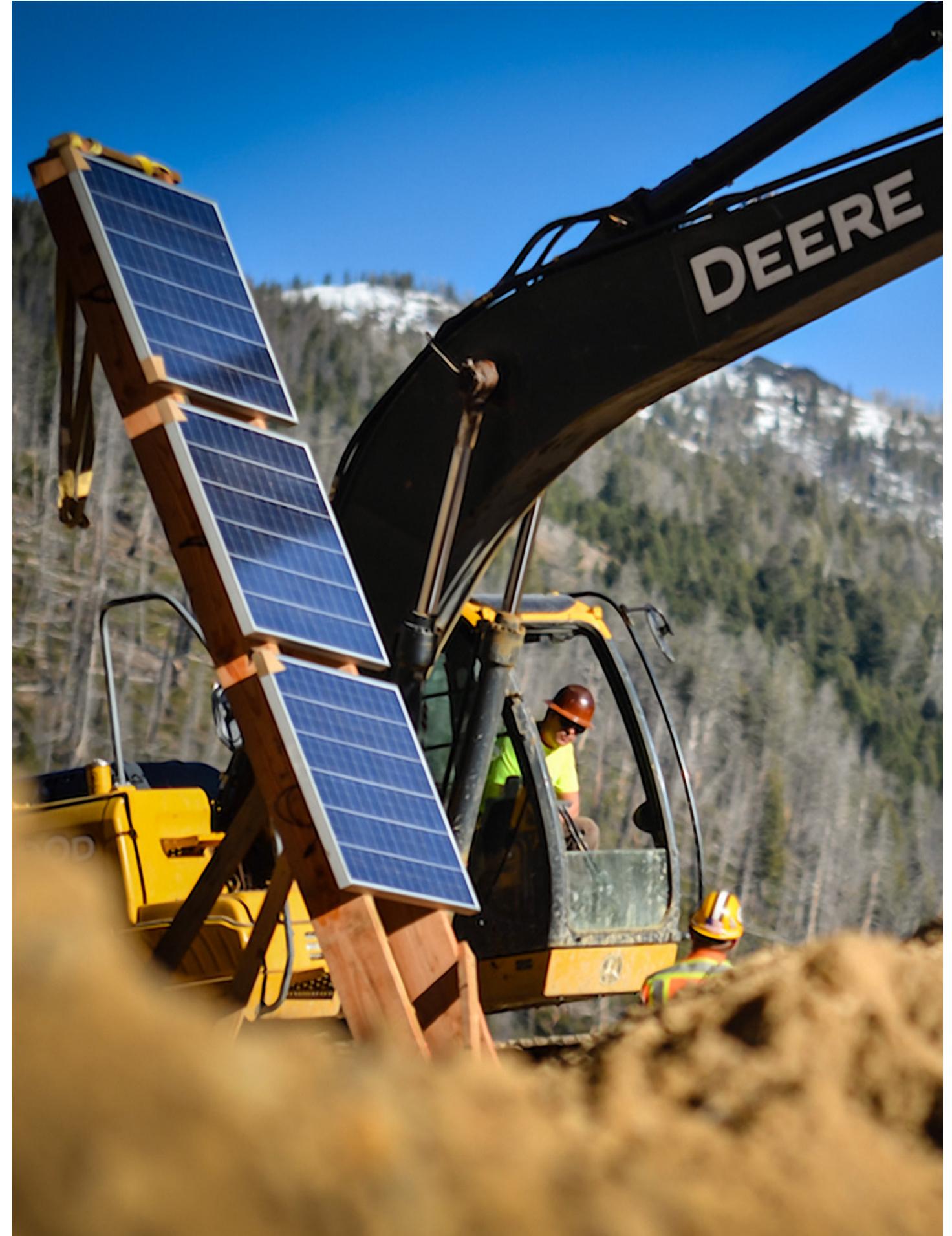
CLIMATE



ON-SITE SOLAR

generation mitigated CO2 emissions equivalent to the absorption capacity of **286 trees**

Completed fourth GHG emissions audit in 2024



PHASE ONE EARLY CLEANUP CONSTRUCTION COMPLETED

EM-MM-540A.3



For decades, water quality at the historic Stibnite Mining District has suffered degradation by millions of tons of unconstrained tailings and mine waste left behind by previous operators. In 2021, Perpetua signed a multi-year agreement worth millions of dollars with the Environmental Protection Agency and United States Forest Service to take voluntary action to start to address these pressing water quality concerns and improve environmental conditions at site before mining operations begin.

Altogether, Perpetua Resources has invested more than **\$19 million** to improve water quality in the historic Stibnite Mining District from 2021-2024.

Cleanup has focused on locations that sit outside the footprint of Perpetua's proposed Stibnite Gold Project and that would be left untouched if not for the Company's voluntary cleanup efforts. In 2024, the Company completed the construction activities outlined in Phase One of the early cleanup agreement, successfully moving more than **376,000 tons of legacy mine waste** away from sensitive waterways and creating thousands of linear feet of stream channel diversions to keep clean water clean.



WATER & AIR QUALITY

The Stibnite Gold Project has been designed consistent with air quality and water quality protection goals. Permitting and oversight demands are guided by the Clean Air Act and the Clean Water Act and their implementing regulations and state law counterparts. Following the multi-year state and federal permitting process, in 2024, regulators granted the Air Permit to Construct under the Clear Air Act and Water Quality Certification under the Clean Water Act, confirming the project design meets key environmental standards.

The site is located in a low-risk water area as defined by the World Resources Institute Aqueduct Water Risk Atlas.

DUST ABATEMENT

EM-MM-210B.1

Perpetua Resources is mindful of keeping dust down at site to prevent it from affecting air and water quality. Dust abatement is, and will continue to be, a high priority across the site.

Perpetua has invested over **\$207,000** in reducing dust on roads on site and leading to the Project since 2014. Perpetua regularly grades the public roads leading to the Project to keep excess sediment from entering the watershed and to make the roads safer for travel.

As the Project progresses, Perpetua will monitor fugitive dust and implement best management practices to control and mitigate potential dust generation, consistent with state air permit provisions.



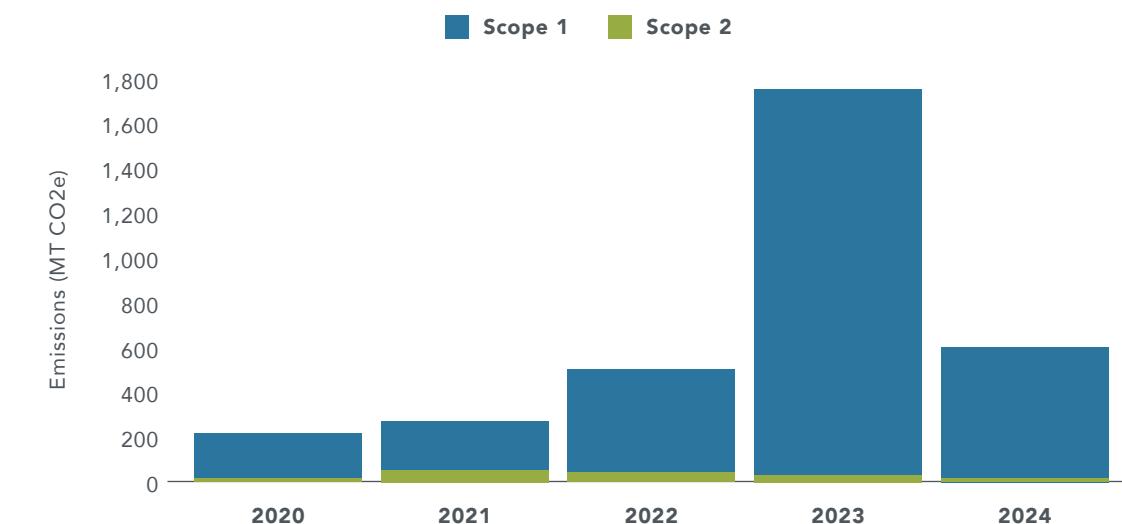
GREENHOUSE GAS (GHG) EMISSIONS

EM-MM-110A.1, EM-MM-110A.2

Perpetua has committed to third-party verified carbon accounting and mitigation. Scope 1 and 2 carbon emissions have been audited since 2017 and will continue to be accounted for while attempting to improve emission rates and identify opportunities for carbon emission offsets going forward. Once the final Project moves into operation, more specific data on emissions will be made available, including Scope 3 emissions.

For more details, see Appendix C.

The chart below illustrates the changes in Scope 1 and 2 emissions from 2020-2024.



The increased GHG emissions observed in 2023 and 2024 reflect emissions tied to Phase One of Perpetua's early action cleanup commitments under the voluntary Administrative Settlement Agreement and Order on Consent (ASAOC). Emissions were from use of remediation equipment, diesel generators and machinery to complete Phase One of the cleanup, specifically:

1. Removal and relocation of 376,000 tons of legacy waste rock and earthen materials, to remove contact with streams and address soil and groundwater concerns. This has been conducted as part of remediation efforts under an Administrative Settlement Agreement and Order on Consent.
2. Yellow Pine pit aquifer pump test and drilling.
3. Drilling, extraction and transportation of core under the agreement through the Department of Defense Ordnance Technology Consortium to obtain additional core samples from the Project site to demonstrate a fully domestic antimony trisulfide supply chain.
4. To provide heat, lighting, and electricity for the mining camp personnel.

WASTE & TAILINGS MANAGEMENT

Perpetua Resources is not currently in operations, therefore has not produced any mined waste or tailings. At this point, the Company is not operating a tailings storage facility.

WASTE & HAZARDOUS MATERIALS MANAGEMENT

EM-MM-150A.4, EM-MM-150A.10

In preparation for mining to begin on site, Perpetua has created a Waste Management Plan to guide the safe handling, storage, and disposal of all waste streams (solid, special, and hazardous) generated at Stibnite. This plan is designed to ensure compliance with the Resource Conservation and Recovery Act and includes guidelines for the responsible use of potentially hazardous materials. Perpetua's policies and procedures pertaining to waste and hazardous materials are consistent with federal and local laws and regulations. As the Company moves into future operational phases, it will establish additional policies and procedures tailored to the specific chemicals and materials used in processing as appropriate.



Perpetua Resources has gone
154 MONTHS
with no reportable spills.

As outlined in the Waste Management Plan, Perpetua maintains a robust approach to waste and hazardous materials compliance, featuring clearly defined roles and responsibilities for personnel involved. This approach is supported by a comprehensive training program, which ranges from mandatory Department of Transportation Hazmat training for those handling hazardous waste shipping to general awareness training for all relevant employees. The company's commitment to compliance is further reinforced through record-keeping of employee training, job descriptions, and waste management responsibilities. This systematic method is designed to ensure personnel have the knowledge and understanding to handle waste and hazardous materials safely while adhering to all applicable regulations.

ETHOS ON WASTE MANAGEMENT

Perpetua's waste and hazardous materials management strategy is informed by Perpetua's Environmental Policy contained in the ESG Policy. The Environmental Policy addresses the Company's approach to legacy waste management and future waste management once the project enters productive operations and includes policies related to mineral and non-mineral waste.

WASTE DETERMINATION

Perpetua has developed a Waste Determinations guide to explain the steps involved in making a waste determination and the associated documentation requirements. As mentioned in the Final Environmental Impact Statement (FEIS) and Record of Decision (ROD), Perpetua has plans, including the Environmental Legacy Waste Management Plan and Waste Management Plan, for the analysis, design, and monitoring of waste and waste facilities. Additionally, Perpetua intends to augment its existing Spill Prevention Control and Countermeasure (SPCC) and its Transportation Risk Management Plan to address the packaging, transportation, and the incident response and reporting of hazardous wastes as it transitions from permitting, through construction and into operations.

DISCLOSURE THRESHOLDS

Perpetua Resources adheres to strict hazardous waste management standards set by the Clean Water Act and Idaho Department of Environmental Quality. For comprehensive plans and incident response procedures, refer to the U.S. Forest Service's FEIS.

SAME STANDARDS FOR PERPETUA'S PARTNERS

Perpetua's Supplier Standards will require business partners to comply with all applicable Perpetua environmental standards and legal regulations, which includes business partner handling of waste.

COMPLIANCE

Perpetua maintains a robust approach to waste and hazardous materials compliance, featuring clearly defined roles and responsibilities for all personnel involved. This approach is supported by a comprehensive training program and thorough record-keeping. This systematic method ensures all personnel are equipped to handle waste and hazardous materials safely, while adhering to all applicable regulations.

TAILINGS MANAGEMENT

EM-MM-150A.4, EM-MM-150A.10

The Project mine plan incorporates the cleanup and safe storage of legacy materials along with all tailings generated by Project operations in the proposed Tailings Storage Facility (TSF), which is designed with a rockfill buttress to meet and exceed state-mandated geotechnical factors of safety, and aligned with best practices and state and federal requirements. Perpetua's tailings management is guided by the conservative TSF design criteria and Operations, Maintenance & Surveillance (OMS) Manual. As required by state regulations, the OMS Manual sets forth normal and emergency operating procedures. Additional emergency procedures will be included in the forthcoming Emergency Action Plan required under state Dam Safety regulations.

Transparency into the design, performance standards, and maintenance required for a tailings facility and conducting an independent 3rd party review are important components to responsible tailings management. In 2023, Perpetua received 3rd party validation regarding the safety of the design of the tailings storage facility.

The vision behind the Stibnite Gold Project was always to use redevelopment of the historical site to provide a solution for the legacy tailings that were left behind. Perpetua has already taken early voluntary action to clean up legacy materials, including tailings, following EPA rules and regulations. With more than \$19 million of work dedicated to this project between 2021-2024, 376,000 tons of legacy materials have been moved.

CLIMATE CHANGE & ENERGY MANAGEMENT

Perpetua Resources is mindful of its impact on the environment. The Company has built many climate resilience measures into its Project and committed to:

1. Sourcing low-carbon, low-emissions hydroelectric energy through Idaho Power Company for project operations;
2. Conducting annual audits and disclosure of scope 1 & 2 GHG emissions;
3. Identifying science-based carbon mitigation and offset opportunities in operations;
4. Revegetating legacy unreclaimed mine and wildfire-burned land by planting approximately 3,600 trees annually during operations, which can beneficially sequester carbon and moderate temperatures;
5. Providing antimony to Ambri for long-duration energy storage batteries, that could help power ~1 million American homes with solar on a daily cycle for 20 years –offsetting the GHG footprint of the Stibnite Gold Project;
6. Implementation of the voluntary Wildlife Habitat Management Plan which would result in considerable revegetation that would sequester carbon, reduce local air temperature, and improve local climate resiliency;
7. Employee bussing/vanpooling to the Project location during operations for the majority of employees will reduce trips and associated vehicle GHG contributions.



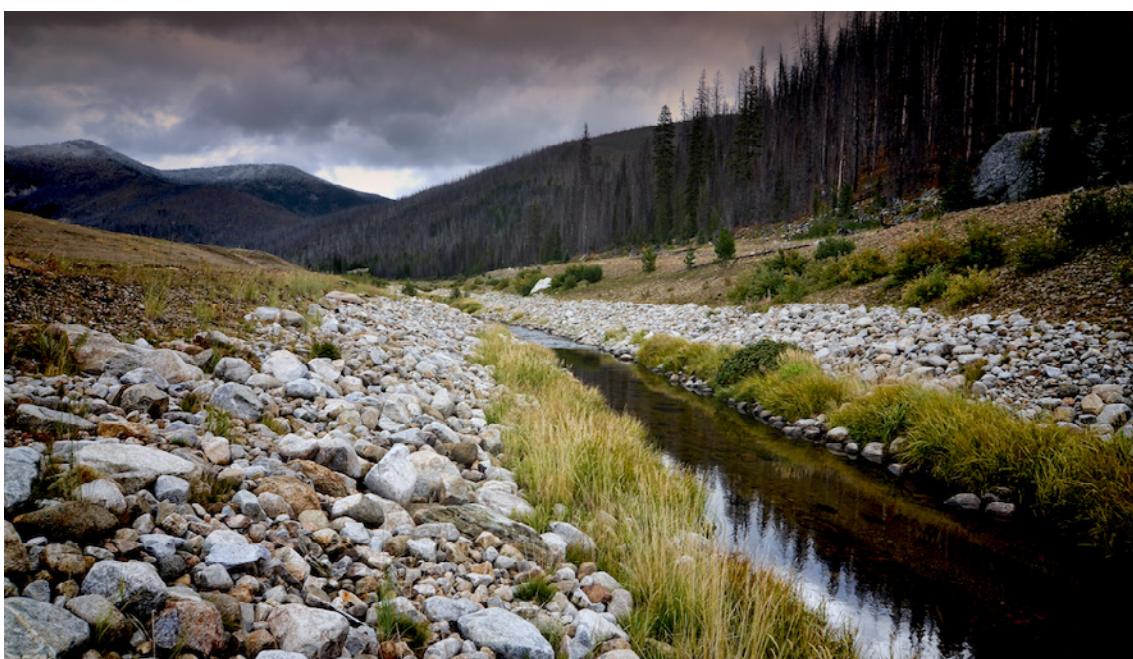
HABITAT & BIODIVERSITY

EM-MM-160A.1, EM-MM-160A.3

Today, habitat and biodiversity are impacted by the environmental legacies left behind at Stibnite after over a century of mining activity. Perpetua designed the Stibnite Gold Project not only to open fish access to miles of currently blocked critical stream habitat but also to improve the overall stream habitat conditions.

At the commencement of operations, the Project will allow fish to return to their native spawning grounds before mining begins by constructing a temporary **0.9-mile** fish passageway. The 2024 FEIS concluded, the biggest benefit to Chinook salmon and steelhead will occur in Mine Year -1 when this feature is constructed because it will allow these species to voluntarily access habitat that has not been naturally accessible for decades (FEIS 4.12.2.2:p.4-374).

Through the life of the Project, the natural course of the East Fork of the South fork of the Salmon River (EFSFSR) will be restored with an anticipated **9%** uplift in habitat quality (functional units), **20+ miles** of additional stream habitat will be accessible to migrating fish species, and water quality will be improved over existing conditions.



CRITICAL HABITAT

The EFSFSR and its tributaries are home to three fish species listed as "threatened" under the U.S. Endangered Species Act (ESA): Snake River spring/summer Chinook salmon, Snake River steelhead and bull trout. The EFSFSR, including the stretch that runs through the Project site, is designated as a critical habitat under the ESA for Snake River spring/summer Chinook, bull trout and steelhead.

The conditions of the river today are less than optimal, which is why Perpetua has designed the Stibnite Gold Project to restore the habitat and leave the area better for the fish and wildlife of the region.

More details of this habitat and Perpetua's plan to mitigate impact to that habitat can be found in the FEIS.



MANAGEMENT PLANS

Perpetua tracks all regulations regarding ecological and biodiversity impacts, waste generation, noise impacts, air emissions, discharges, natural resource consumption, and hazardous chemical usage. For further details, see the FEIS, Table 2.4-12.

IMPACT MITIGATION

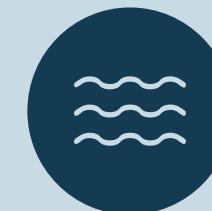
Perpetua Resources is mindful of its future potential impacts on the environment and surrounding communities. The team does all it can to reduce its footprint. Analysis by the U.S. Forest Service in its FEIS showed changes Perpetua Resources has made to its original mine plan would reduce environmental impacts, including:

- **Decreased on-site disturbance footprint**, a 13% reduction from 2016 design
- **Reduced mined material** by 10% (44 million tons)
- **Reduced mine operations traffic** by >20% by using on-site mined limestone for ore processing
- **Eliminated waste rock storage areas** (168 acres)
- **Reduced volume of Hangar Flats pit** by 70% and completely backfilled pit
- **Added geosynthetic covers** to backfilled mine pits, TSF buttress and the full footprint of the TSF to protect long-term water quality
- **Increased riparian vegetation** and low flow channels to reduce water temperature
- **Replaced bull trout habitat** in Yellow Pine pit lake with a similarly designed reclamation feature in the East Fork of the South Fork of the Salmon River
- **Modified ore processing circuit** to improve tailings chemistry
- **Added a leakage collection** and recovery system to the TSF liner design

Impact mitigation is engrained in the Company's culture and it will stay top of mind as the Project moves forward.



**ELIMINATED WASTE
ROCK STORAGE
AREAS 168 ACRES**



**INCREASED RIPARIAN
VEGETATION AND
LOW FLOW CHANNELS**

APPENDIX A

SASB Disclosure Table

GHG Emissions: Scope 1 emissions were calculated based on total consumption of diesel, gasoline, and propane fuels. Total consumption is multiplied by the respective emissions factor for each fuel type (diesel: 10.2 kgCO2/ gallon; gasoline: 8.8 kgCO2/ gallon; propane: 61.7 kgCO2/MMBtu), resulting in metric tons of CO2 equivalent (MTCO2e). Emissions factors are sourced from the [EPA Emissions Factors Hub](#).

Air Quality: Other air emissions were calculated based on total consumption of diesel, gasoline, and propane fuels. Total consumption is multiplied by the respective emissions factor for each fuel type, and for each air pollutant type, measured in lbs/ MMBtu (diesel: CO: 0.95, NOx: 4.41, SOx: 0.29, PM10: 0.31, VOCs: 0.36; gasoline: CO: 0.99, NOx: 1.63, SOx: 0.08, PM10: 0.1, VOCs: 3.03; propane: CO: 1.41, NOx: 1.52, SOx: 0.004, PM10: 0.05, VOCs: 0.91). Emissions factors are sourced from the [EPA's AP42 Air Pollutant Emissions Factors](#).

Energy Management (Percentage Grid, Percentage Renewable): The percentage grid vs renewable energy was calculated based on Idaho Power's unique energy sources including hydroelectric, wind, solar sources, and other. The energy source mix for 2024 was 56% renewable and 44% non-renewable.

Water Management (Total freshwater consumed): Fresh water consumption estimates were calculated using employee headcount, working days, and an estimated 13 gallons/day/employee sourced from the [EPA's Energy Star Portfolio Manager](#).

Waste and Hazardous Materials Management (Non-mineral waste): Non-mineral waste was calculated based on employee headcount, working days, and an estimated 3.24 lbs of waste/person/day sourced from the [EPA](#).

Biodiversity Impacts (Percentage of reserves near endangered species habitat): Proximity to endangered species habitats is defined as within 5km. All reserves at the Stibnite site are within 5km of the EFSFSR, which is designated as critical habitat under the ESA for Chinook, Steelhead and Bulltrout.

Security, Human Rights and Rights of Indigenous Peoples: Proximity to areas of conflict and indigenous lands is defined as within 5km. The Stibnite site is not within 5km of either areas.

Workforce Health and Safety (MSHA all incident rate): Perpetua Resources does not currently fall under MSHA regulations.

Workforce Health and Safety (Fatality rate, near miss frequency rate): Rates are calculated as (statistic count x 200,000) / total hours worked.

This table summarizes our commitment to sustainability, aligning with the IFRS Foundation's SASB Metals and Mining Standard. It provides annual quantitative data for each fiscal year (January 1–December 31).

Topic	SASB Disclosure	2020	2021	2022	2023	2024	Unit of Measure	SASB Code	Footnote
Greenhouse Gas Emissions	Gross global Scope 1 emissions	202 (1)	221 (1)	467	1,727	589	Metric tons (t) CO2-e	EM-MM-110a.1 (2)	1. A discrepancy has been corrected for the 2019-2021 Scope 1 emissions values. The updated figures ensure a more accurate representation of our emissions data. 2. Scope 1 emissions were calculated based on total consumption of diesel, gasoline, and propane fuels, as well as refrigerants. Details regarding methodology and emissions factors can be found in the Perpetua Resources GHG Inventory Report.
Greenhouse Gas Emissions	Percentage covered under emissions-limiting regulations	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-110a.1	
Air Quality	(1) Carbon Monoxide (CO)	1.2	1.3	2.8	10.1	3.6	Metric tons (t)	EM-MM-120a.1 (3)	3. Air emissions were calculated based on total consumption of diesel, gasoline, and propane fuels. Details regarding methodology and emissions factors can be found in the Perpetua Resources GHG Inventory Report.
Air Quality	(2) Nitrogen Oxide (NOx), (excluding N2O)	5	5	11	44.2	13.9	Metric tons (t)		
Air Quality	(3) Sulfur Oxide (SOx)	0.3	0.3	0.7	2.9	0.9	Metric tons (t)		

Topic	SASB Disclosure	2020	2021	2022	2023	2024	Unit of Measure	SASB Code	Footnote	Topic	SASB Disclosure	2020	2021	2022	2023	2024	Unit of Measure	SASB Code	Footnote
Air Quality	(4) Particulate matter (PM10)	0.3	0.3	0.8	3.1	1	Metric tons (t)	EM-MM-120a.1 (3) <p>3. Air emissions were calculated based on total consumption of diesel, gasoline, and propane fuels. Details regarding methodology and emissions factors can be found in the Perpetua Resources GHG Inventory Report.</p>	Water Management	(1) Total water withdrawn	0	0.06	0.05	13.89	1.70	Thousand cubic meters (m³)	EM-MM-140a.1 <p>7. Water consumption estimates were calculated using employee headcount, working days, and an estimated 13 gallons/day/employee sourced from the EPA's Energy Star Portfolio Manager. Office employees are mostly remote. Water consumed accounts for Stibnite site employees and 15% of office employees.</p>		
Air Quality	(5) Mercury (Hg)	0	0	0	0	0	Metric tons (t)			(2) Total water consumed (7)	0	0.12	0.12	0.18	0.17	Thousand cubic meters (m³)			
Air Quality	(6) Lead (Pb)	0	0	0	0	0	Metric tons (t)		Water Management	List of facilities or operations which are located in areas of High or Extremely High Baseline Water Stress	N/A	N/A	N/A	N/A	N/A	List			
Air Quality	(7) Volatile organic compounds (VOCs)	0.7	1.2	2.4	5.8	2.7	Metric tons (t)			Percent of water withdrawn in areas of High or Extremely High Baseline Water Stress	0%	0%	0%	0%	0%	Percentage (%)			
Energy Management	(1) Total energy consumed	2,968	3,643	7,030	24,799	8,713	Gigajoules (GJ)	EM-MM-130a.1 (4) <p>4. A discrepancy has been corrected for the 2019-2022 total energy consumed values. In previous reports, reported values included electricity consumption only. The values listed have been updated to reflect all energy consumption, including fuel use.</p> <p>5. The percentage of grid electricity was calculated by dividing the total electricity consumed by the total energy consumed.</p>	Water Management	Percent of water consumed in areas of High or Extremely High Baseline Water Stress	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-140a.2 <p>8. Non mineral waste was calculated based on employee headcount, working days, and an estimated 3.24 lbs of waste/person/day sourced from the EPA. Office employees are mostly remote. Waste estimated account for Stibnite site employees and 15% of office employees.</p>		
Energy Management	(2) Percentage grid electricity (5)	4.0%	14.0%	5.0%	1.0%	3.0%	Percentage (%)			Number of incidents of non-compliance associated with water quality permits, standards, and regulations	0	0	0	0	0	Number			
Energy Management	(3) Percentage renewable (6)	0.7%	0.6%	0.2%	0.1%	0.3%	Percentage (%)		Waste & Hazardous Materials Management	Total weight of non-mineral waste generated (8)	0.8	2.5	2.5	2.7	2.5	Metric tons (t)	EM-MM-150a.4		
Energy Management									Waste & Hazardous Materials Management	Total weight of tailings produced						Metric tons (t)	EM-MM-150a.5		
Energy Management									Waste & Hazardous Materials Management	Total weight of waste rock generated						Metric tons (t)	EM-MM-150a.6		
Energy Management								6. The percentage of renewable electricity was calculated by dividing the total amount of renewable electricity consumed by the total amount of energy consumed.	Waste & Hazardous Materials Management	Total weight of hazardous waste generated						Metric tons (t)	EM-MM-150a.7		
Energy Management									Waste & Hazardous Materials Management	Total weight of hazardous waste recycled						Metric tons (t)	EM-MM-150a.8		
										Not applicable: the company has not produced tailings									

Topic	SASB Disclosure	2020	2021	2022	2023	2024	Unit of Measure	SASB Code	Footnote	Topic	SASB Disclosure	2020	2021	2022	2023	2024	Unit of Measure	SASB Code	Footnote	
Waste & Hazardous Materials Management	Number of significant incidents associated with hazardous materials and waste management	Not applicable: the company has not produced tailings						Number	EM-MM-150a.9	EM-MM-160a.2	Community Relations	Number of non-technical delays	0	0	0	0	0	Number	EM-MM-210b.2	
Biodiversity Impacts	Percentage of mine sites where acid rock drainage is: (1) predicted to occur	0%	0%	0%	0%	0%	Percentage (%)	Community Relations	Duration of non-technical delays	0	0	0	0	0	Days					
Biodiversity Impacts	Percentage of mine sites where acid rock drainage is: (2) actively mitigated	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-160a.3 (9)	9. Proximity to endangered species habitats is defined as within 5km. All reserves at the Stibnite site are within 5km of the EFSSR, which is designated as critical habitat under the ESA for Chinook, Steelhead and Bull Trout.	Labor Relations	Percentage of active workforce covered under collective bargaining agreements, broken down by U.S. and foreign employees	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-310a.1		
Biodiversity Impacts	Percentage of mine sites where acid rock drainage is: (3) under treatment or remediation	0%	0%	0%	0%	0%	Percentage (%)			Labor Relations	Number of strikes and lockouts	0	0	0	0	0	Number	EM-MM-310a.2		
Biodiversity Impacts	(1) Percentage of proved reserves in or near sites with protected conservation status or endangered species habitat	100%	100%	100%	100%	100%	100%	EM-MM-210a.1 (10)	10. Per SASB, proximity to areas of conflict is defined as within 5km. The Stibnite site is not within 5km of an area of conflict.	Labor Relations	Duration of strikes and lockouts	0	0	0	0	0	Days	EM-MM-320a.1	12. Perpetua Resources does not currently fall under MSHA regulations.	
Biodiversity Impacts	(2) Percentage of probable reserves in or near sites with protected conservation status or endangered species habitat	100%	100%	100%	100%	100%	100%			Workforce Health & Safety	(1) MSHA all-incidence rate (12)	0	0	0	0	0	Rate		13. Rates are calculated as (statistic count x 200,000) / total hours worked.	
Security, Human Rights & Rights of Indigenous Peoples	(1) Percentage of proved reserves in or near areas of conflict	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-210a.2 (11)	11. Per SASB, proximity to indigenous lands is defined as within 5km. The Stibnite site is not within 5km of indigenous lands.	Workforce Health & Safety	(2) Fatality rate	0	0	0	0	0	Rate			
Security, Human Rights & Rights of Indigenous Peoples	(2) Percentage of probable reserves in or near areas of conflict	0%	0%	0%	0%	0%	Percentage (%)			Workforce Health & Safety	(3) Near miss frequency rate (NMFR) (13)	0	38.7	19.98	6.03	10.76	Rate			
Security, Human Rights & Rights of Indigenous Peoples	(1) Percentage of proved reserves in or near indigenous land	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-210a.2 (11)	11. Per SASB, proximity to indigenous lands is defined as within 5km. The Stibnite site is not within 5km of indigenous lands.	Workforce Health & Safety	(4a) Average hours of health, safety, and emergency response training for full-time employees	16	50	61	69	62	(a) Hours per employee			
Security, Human Rights & Rights of Indigenous Peoples	(2) Percentage of probable reserves in or near indigenous land	0%	0%	0%	0%	0%	Percentage (%)			Workforce Health & Safety	(4b) Average hours of health, safety, and emergency response training for contract employees	N/A	N/A	N/A	N/A	N/A	(b) Hours per contractor			
Security, Human Rights & Rights of Indigenous Peoples	(2) Percentage of probable reserves in or near indigenous land (may combine with above)	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-000.B	14. While Perpetua utilizes contractors and subcontractors for specialized projects, the company does not utilize contract employees at this time.	Tailings Storage Facilities Management	Tailings storage facility inventory table	Not applicable: mining operations have not yet commenced					Various, SASB-specific format	EM-MM-540a.1		
Security, Human Rights & Rights of Indigenous Peoples	(1) Percentage of proved reserves in or near indigenous land	0%	0%	0%	0%	0%	Percentage (%)			Activity metric	Production of metal or ore finished metal	Not applicable: mining operations have not yet commenced					Metric tons (t)	EM-MM-000.A		
Security, Human Rights & Rights of Indigenous Peoples	(2) Percentage of probable reserves in or near indigenous land (may combine with above)	0%	0%	0%	0%	0%	Percentage (%)			Activity metric	Total number of employees	35	32	30	33	36	Number	EM-MM-000.B		
Security, Human Rights & Rights of Indigenous Peoples	(2) Percentage of probable reserves in or near indigenous land (may combine with above)	0%	0%	0%	0%	0%	Percentage (%)			Activity metric	Percentage contractors (14)	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-000.B		

APPENDIX B

International Finance Corporation (IFC) Alignment Tables

COMMUNITY RIGHTS AND INTERESTS EM-MM-210B.1

SASB Community Relations	
IFC Objectives	Perpetua Resources' Alignment
STANDARD 4	
To anticipate and avoid adverse impacts on the health and safety of the Affected Community during the project life from both routine and non-routine circumstances.	<p>Standard Addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Materiality assessment • ERM process • Stibnite Advisory Council Community Needs Assessment • Hazard Identification & Mitigation (section 2.3.1) • Stakeholder Engagement (section 2.1.4) <p>FEIS - supporting documents:</p> <ul style="list-style-type: none"> • Social and Economic Conditions Specialist Report • Heritage Resources Specialist Report • Tribal Rights and Interests Specialist Report • Recreation Specialist Report • Water Quantity Specialist Report • Water Quality Specialist Report • Air Quality Specialist Report • Noise Specialist Report • Access and Transportation Specialist Report • Scenic Resources Specialist Report

COMMUNITY RIGHTS AND INTERESTS EM-MM-210B.1

SASB Community Relations	
IFC Objectives	Perpetua Resources' Alignment
STANDARD 4 CONT.	
	<p>To ensure that the safeguarding of personnel and property is carried out in accordance with relevant human rights principles and in a manner that avoids or minimizes risks to the Affected Communities.</p> <p>Standard Addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Shared Training & Resources (section 2.4.2) • EOH&S Management System <p>Whistleblower Policy</p> <p>Code of Conduct and Ethical Policy</p>
STANDARD 5	
	<p>To avoid, and when avoidance is not possible, minimize displacement by exploring alternative project designs.</p> <p>To avoid forced eviction.</p> <p>To anticipate and avoid, or where avoidance is not possible, minimize adverse social and economic impacts from land acquisition or restrictions on land use by (i) providing compensation for loss of assets at replacement cost and (ii) ensuring that resettlement activities are implemented with appropriate disclosure of information, consultation, and the informed participation of those affected.</p> <p>Standard Addressed within:</p> <p>NEPA process - SDEIS alternatives analysis</p>
	<p>To improve, or restore, the livelihoods and standards of living of displaced persons.</p> <p>To improve living conditions among physically displaced persons through the provision of adequate housing with security of tenure at resettlement sites.</p>

**ENVIRONMENTAL
SASB: EM-MM-160A.1**

SASB Community Relations	
IFC Objectives	Perpetua Resources' Alignment
STANDARD 8	
To protect cultural heritage from the adverse impacts of project activities and support its preservation.	<p>Standard Addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Stakeholder Engagement (section 2.1.4) • Human Rights (section 2.4.4) <p>ESG Policy</p> <p>FEIS - Heritage Resources Specialist Report, Tribal Rights and Interests Special Report</p>
To promote the equitable sharing of benefits from the use of cultural heritage.	
SASB Biodiversity Impacts	
STANDARD 1	
To identify and evaluate environmental and social risks and impacts of the project. (If assets to be developed, acquired or financed have yet to be defined, the establishment of an environmental and social due diligence process will identify risks and impacts at a point in the future when the physical elements, assets, and facilities are reasonably understood)	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Materiality assessment • ERM process • Stibnite Advisory Council Community Needs Assessment • Hazard Identification & Mitigation (section 2.4.1) <p>ESG Policy</p> <p>NEPA Process:</p> <ul style="list-style-type: none"> • FEIS • ESA Section 7 consultation

**ENVIRONMENTAL
SASB: EM-MM-160A.1**

SASB Biodiversity Impacts	
IFC Objectives	Perpetua Resources' Alignment
STANDARD 1 CONT.	
	<p>Standard addressed within:</p> <ul style="list-style-type: none"> • SDEIS* <p>2021 ModPRO2 (section 4, Mitigation Plans)</p> <p>2016 PRO (section 2 core values, net benefit goal)</p> <p>Section 7 ESA consultation</p>
	<p>Standard addressed within:</p> <p>ESG policy</p> <p>Code of Conduct and Ethical Policy</p> <p>Whistleblower Policy</p> <p>ERM process</p>
	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Community Engagement (section 2.1) <p>Whistleblower Policy</p> <p>See Something, Say Something Community Program</p> <p>Code of Conduct and Ethical Policy</p> <p>NEPA Public Outreach:</p> <ul style="list-style-type: none"> • Public Scoping • DEIS comment period • SDEIS comment period • Stibnite Advisory Council

**ENVIRONMENTAL
SASB: EM-MM-160A.1**

SASB Biodiversity Impacts	
STANDARD 1 CONT.	
To promote and provide means for adequate engagement with Affected Communities throughout the project cycle on issues that could potentially affect them and to ensure that relevant environmental and social information is disclosed and disseminated.	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Stakeholder Engagement (section 2.1.4) • FEIS* <p>NEPA Public Outreach:</p> <ul style="list-style-type: none"> • Public Scoping • DEIS comment period • SDEIS comment period • Stibnite Advisory Council <p>Citizens Water Monitoring program</p> <p>Site tours open to the public, community office hours, meetings and presentations</p>
STANDARD 3	
To avoid or minimize adverse impacts on human health and the environment by avoiding or minimizing pollution from project activities.	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • ERM process • EOH&S Management System • Water & Air Quality (section 3.1) • Climate Change & Energy Management (section 3.3) <p>ESG Policy</p> <p>2021 ModPRO2 (section 4, Mitigation Plans)</p> <p>2016 PRO (section 2 core values, net benefit goal)</p>
To promote more sustainable use of resources, including energy and water.	<p>Sustainability Report:</p> <ul style="list-style-type: none"> • Environmental Section <p>ESG Policy</p>
To reduce project-related GHG emissions.	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Environmental Section <p>FEIS - Climate Change Specialist Report</p>

**ENVIRONMENTAL
SASB: EM-MM-160A.1**

SASB Biodiversity Impacts	
IFC Objectives	Perpetua Resources' Alignment
STANDARD 4	
To anticipate and avoid adverse impacts on the health and safety of the Affected Community during the project life from both routine and non-routine circumstances.	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Materiality assessment • ERM process • Stibnite Advisory Council Community Needs Assessment • Hazard Identification & Mitigation (section 2.4.1) • Stakeholder Engagement (section 2.1.4) • FEIS*
STANDARD 6	
To ensure that the safeguarding of personnel and property is carried out in accordance with relevant human rights principles and in a manner that avoids or minimizes risks to the Affected Communities.	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Shared Training & Resources (section 2.4.2) <p>ESG Policy</p> <p>FEIS - supporting documents:</p> <ul style="list-style-type: none"> • Social and Economic Conditions Specialist Report • Heritage Resources Specialist Report • Tribal Rights and Interests Specialist Report
To protect and conserve biodiversity.	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • ERM process • EOH&S Management System • Habitat & Biodiversity (section 3.4) • FEIS <p>ESG Policy</p>
To maintain the benefits from ecosystem services.	<p>Sustainability Report:</p> <ul style="list-style-type: none"> • Habitat & Biodiversity (section 3.4)
To promote the sustainable management of living natural resources through the adoption of practices that integrate conservation needs and development priorities.	<p>ModPRO2 - concurrent and ongoing restoration</p> <p>Environmental Mitigation Measures</p>

APPENDIX C

Greenhouse Gas Emissions

PERPETUA RESOURCES GHG INVENTORY REPORT
PREPARED BY VERDANT RESOLUTIONS APRIL 2, 2025

SUMMARY

The Perpetua Resources (Perpetua) Greenhouse Gas (GHG) Inventory Report details the company's operational contribution to climate change, expressed as metric tons of carbon dioxide equivalent (MTCO2e). It covers the fiscal year spanning January 1, 2024, through December 31, 2024.

This Greenhouse Gas (GHG) emissions inventory serves to establish an annual benchmark for Perpetua's company-wide GHG emissions and ensures a consistent methodology for ongoing emissions tracking. Perpetua uses 2017 as its baseline year for comparisons. Verdant Resolutions (Verdant), in collaboration with Perpetua staff, compiled and analyzed the data.

SCOPE 1 & 2 EMISSIONS OVERVIEW

Perpetua's GHG emissions are indicative of its ongoing operational activities, resulting in a total of approximately 608 metric tonnes of CO2e (MT CO2e) generated in 2024. Within this, Scope 1 emissions account for 99% of the total, equating to an estimated 589 MT CO2e. Scope 2 emissions comprise 1% of Perpetua's total emissions, amounting to approximately 19 MT CO2e (see Figure 1).

Figure 1. Scope 1 & Scope 2, Total Emissions

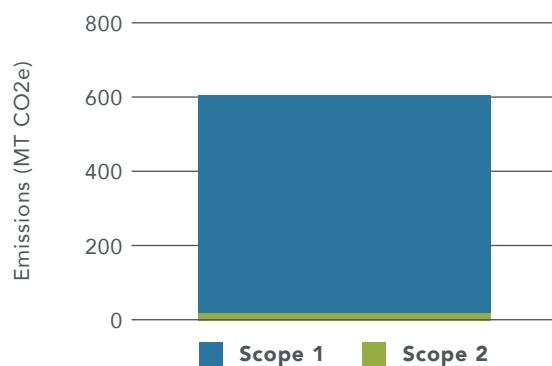
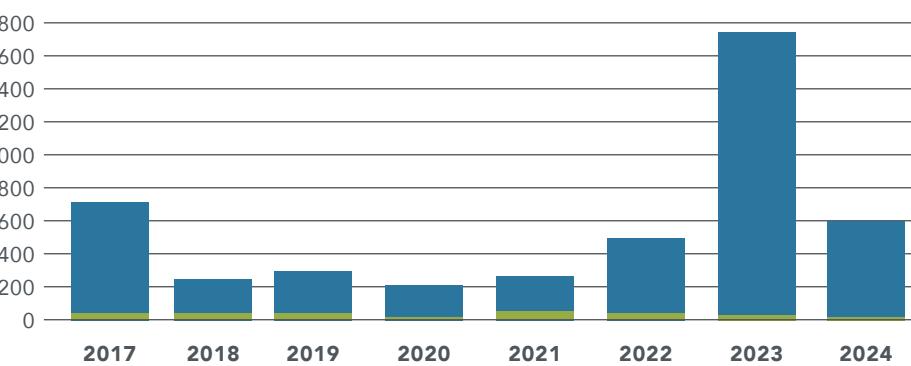


Figure 2. Scope 1 & Scope 2, Year Over Year



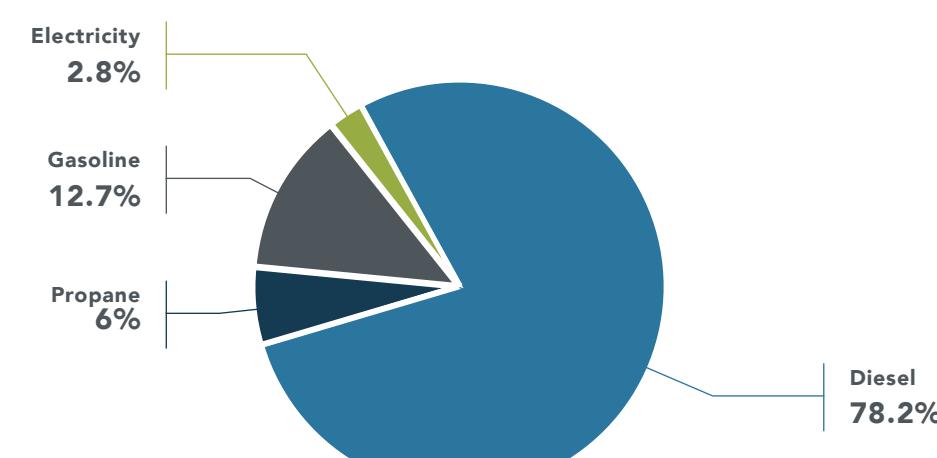
MANAGEMENT PLANS

The increased GHG emissions observed in 2023 and 2024 reflect the emissions incident to Perpetua's early action cleanup commitments under the voluntary Administrative Settlement Agreement and Order on Consent (ASAOC) (see Figure 2). Emissions were from the use of remediation equipment, diesel generators, and machinery to complete Phase One of the cleanup, specifically (see Figure 3 and Table 1):

1. Removal and relocation of 376,000 tons of legacy waste rock and earthen materials, to remove contact with streams and address soil and groundwater concerns. This has been conducted as part of remediation efforts under an Administrative Settlement Agreement and Order on Consent.
2. Yellow Pine pit aquifer pump test and drilling.
3. Drilling, extraction, and transportation of core samples to confirm the presence of desired minerals for Proof of Concept (POC) and the Antimony Targeted Core Program.
4. To provide heat, lighting, and electricity for the mining camp personnel.

Perpetua's use of solar production, replacing some energy otherwise sourced from diesel generators, prevented 6 MT CO2e in Scope 1 emissions. This represents a doubling of avoided emissions compared to 2023.

Figure 3. Scope 1 & Scope 2, Percent of Total Emissions



Note: Emissions from refrigerants are approximately 0.3% and are too small to be illustrated on the pie chart (see Table 1).

Table 1: Scope 1 & Scope 2, Consumption and Emissions

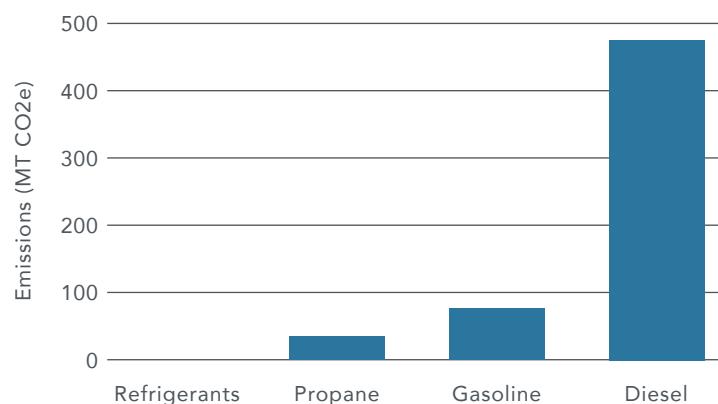
		Consumption		Emissions (MTCO2e)	
Scope	Emissions Source/Category	2024	Unit	2024	% of Total Emissions
1	Refrigerants ¹	0.85	kg	2	0.3%
	Propane	6,327	Gallon	36	6.0%
	Gasoline	8,761	Gallon	77	12.7%
	Diesel	46,408	Gallon	474	77.9%
	Total Scope 1			589	96.8%
2	Electricity	58,407	kWh	19	3.2%
	Total Scope 2			19	3%
	Total Scope 1 & Scope 2 Emissions			608	100%

¹Consumption is based on 5% leakage rate

SCOPE 1 EMISSIONS

The majority of Scope 1 emissions—approximately 78%—are generated from diesel combustion in light- and heavy-duty vehicles and equipment used for remediation and exploration activities. The remaining 19% comes from gasoline and propane used in similar applications. Refrigerant emissions from the Boise and Donnelly offices and the Cascade core shed also contribute to Scope 1 (see Figure 4).

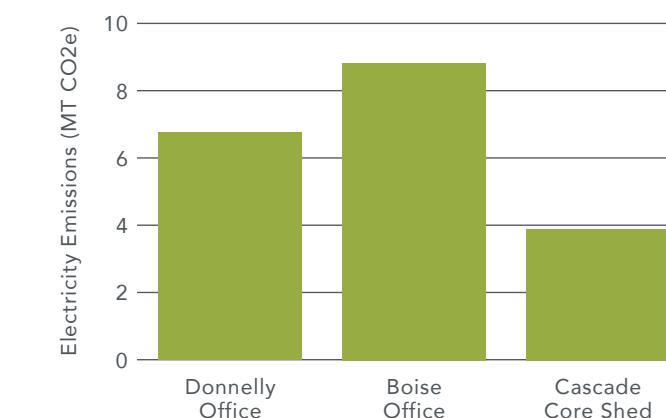
Figure 4. Scope 1 GHG Emissions by Fuel Type



SCOPE 2 EMISSIONS

Utility billing data (kWh) was used to calculate Scope 2 emissions for the Donnelly office and Cascade core shed. The Boise office's emissions were estimated using square footage as a proxy for electricity consumption (see Figure 5).

Figure 5. Scope 2 Emissions by Facility Location



METHODOLOGY

Perpetua's GHG inventory has been developed in accordance with the revised [GHG Protocol Corporate Standard](#) and the [Corporate Value Chain Accounting and Reporting Standard](#). The Verdant team utilized procedures and calculations per the [ISO Standard 14064-1](#), pertaining to GHG quantification.

To support uniform reporting, Perpetua expresses the combined emissions of all greenhouse gases—including CO₂, CH₄ and NO₂—as carbon dioxide equivalent (CO₂e). Inventory boundary, materiality, and calculation development involve the collection and examination of documentation, testimony, and data from internal and external sources.

PRIMARY VS. SECONDARY DATA

The term "primary data" refers to activity data taken directly from meter readings, i.e., the "raw" utility bill data. Primary data are generally considered to be the most accurate and thus preferable. The term "secondary data," or "estimated data," refers to the development and use of intensity factors and/or energy consumption models based on financial data or square footage. For this report, the Verdant team utilized a mix of primary and secondary data to calculate Scope 1 and Scope 2 emissions (refer to Table 2).



SCOPE 1

Perpetua provided consumption data for the direct use of gasoline, diesel, and propane (primary data). Fuel use included light and heavy-duty vehicles used for transportation and exploration, using both ethanol gasoline and diesel, along with propane fueled equipment. Refrigerant consumption in both the Boise and Donnelly offices, as well as the Cascade core shed refrigeration unit, was determined based on square footage, utilizing Energy Information Administration (EIA) consumption data (secondary data).

SCOPE 2

Utility bill data were used for the calculation of Scope 2 emissions for the Donnelly office and Cascade core shed (primary data). Perpetua does not pay the utility bills at the Boise office, thus the Verdant team utilized office square footage and EIA consumption estimates to quantify Scope 2 emissions for the Boise office (secondary data).

Table 2

Scope	Emissions Source/Category	Data Source	% Primary Data	% Secondary Data	Calculation Method
1	Refrigerants	1. Facility locations, based on size 2. Intergovernmental Panel on Climate Change Fifth Assessment Report for refrigerant global warming potential	0%	100%	Screening Method
	Propane	Consumption data	100%	0%	Mass-balance
	Gasoline	Consumption data	100%	0%	Mass-balance
	Diesel	Consumption data	100%	0%	Mass-balance
2	Electricity	1. Utility bills for Donnelly and Cascade core shed locations 2. EIA consumption estimate based on Boise location and square footage	53%	47%	Market-based estimate

EMISSIONS FACTORS

The Verdant team used emissions factors and energy consumption estimates based on recognized published data applicable to the types of emissions associated with the inventory. These factors are published by the EPA, U.S. EIA, and Idaho Power and are consistent with methodologies from the [World Business Council Sustainable Development](#) and [World Resources Institute Greenhouse Gas Protocol](#) (refer to Table 3).

¹[United States Environmental Protection Agency](#). GHG Emissions Factors Hub. 2025.

²[U.S. Energy Information Administration](#). 2025.

³[Emissions Information about Energy Delivered to Customers](#). 2025.

Source: Idaho Power's 2023 energy supply and sales data. The methodology is based on Idaho Power's interpretation of the guidance from Edison Electric Institute's protocol on utility-specific residual mix emissions.

Table 3

Scope	Item	Emissions Factor	Unit	Source
1	Gasoline	8.79	kg CO2e/ gallon	EPA ¹
1	Diesel	10.21	kg CO2e/ gallon	EPA ¹
1	Propane	5.73	kg CO2e/ gallon	EPA ¹
2	Electricity	0.33	kg CO2e/kWh	Idaho Power ³

AMENDMENTS

In 2021, Scope 2 emissions for years 2017-2019 were amended to include electricity use from Perpetua's Boise office. Due to COVID-19, Scope 2 emissions for 2020 do not include the Boise office as employees were not present.

APPENDIX D

References

EM-MM-210A.3

GOVERNANCE POLICIES

- [Anti-bribery & Anti-corruption](#)
- [Charitable Donations](#)
- [Climate Change \(ESG Policy, pg. 10\)](#)
- [Code of Conduct & Ethical Values](#)
- [Director Travel Expenses](#)
- [Director Confidentiality](#)
- [Disclosure and Confidentiality](#)
- [Workforce Growth and Retention](#)
- [Environmental, Social and Governance](#)
- [Human Resources](#)
- [Incentive-Based Compensation Clawback](#)
- [Infectious Disease Control Summary](#)
- [Information Technology & Security](#)
- [Insider Trading & Reporting](#)
- [Political Contributions](#)
- [Social Media](#)
- [Whistleblower Policy](#)

SOCIAL AND ENVIRONMENTAL COMMITMENTS

- Community Agreements: [2018 Community Agreement](#)
- Community Agreement, Stibnite Advisory Council, Annual Report: [Progress Report](#)
- Community Agreement, Stibnite Advisory Council, Independent Water Monitoring Program: [2023 Results](#)
- Community Agreement, Stibnite Advisory Council, FAQ: [Frequently Asked Questions & Glossary](#)
- Community Agreement, Stibnite Advisory Council, Website: www.stibniteadvisorycouncil.com
- Community Agreement, Stibnite Foundation, Direct Profit Sharing: [Foundation](#)
- Community Agreement, Stibnite Foundation, Grant Funding: [Grant Recipients](#)
- Community Project Webinars: [Recorded Webinars](#)
- Agreement with Environmental Protection Agency to conduct pre-operations cleanup (Administrative Settlement Agreement and Order on Consent): [EPA Agreement](#)
- Dark Skies Commitment: [Dark Skies Report](#)
- Perpetua Resources, Hire Local Commitment (PRO, pg.3-1): [Hiring & Contracting Objectives](#)
- Safety Commitment: [Site Safety and Health Plan Summary](#)
- Safety Commitment: [Environmental, Occupational Health & Safety, Integrated Management System Summary](#)
- Values (PRO, Section 2): [Values](#)
- Restoration (PRO, Section 5): [Restoration](#)

PROJECT RESOURCES

- 2016 Plan of Restoration & Operations: [Executive Summary](#)
- 2021 Refined Modified Plan of Restoration & Operations: [Refined Proposed Action](#)
- Improvements One Pager: [Proposed Project Improvements](#)
- Feasibility Study: [Technical Report](#)
- Prefeasibility Study: [Technical Report](#)
- Tours: [Virtual Tour](#)
- Sustainability, Solar Power Use: [Sustainability from the Sun](#)
- Sustainability Reports: [Sustainability Report Library](#)

APPENDIX E

Sustainability Roadmap Update



ENVIRONMENT ROADMAP UPDATE

ROADMAP GOAL	COMMITMENT	2024 ACTIONS
 GOAL 1 Improve and protect water quality <div style="display: flex; justify-content: space-between;"> 6 CLEAN WATER AND SANITATION </div>	<p>Comply with the Clean Water Act and all local and federal regulations.</p> <p>Improve water quality over existing conditions left behind by previous operators.</p>	<p>Completed fourth year of Citizen's Independent Water Monitoring program.</p> <p>Completed legacy cleanup to improve water quality, removing 376,000 tons of legacy waste and tailings away from the East Fork South Fork of the Salmon River and Meadow Creek.</p>
 GOAL 2 Conserve water <div style="display: flex; justify-content: space-between;"> 6 CLEAN WATER AND SANITATION 12 RESPONSIBLE CONSUMPTION AND PRODUCTION </div>	<p>Reduce water consumption and reuse water whenever possible.</p>	<p>In 2024, Perpetua Resources' water rights application, which entails a plan to mitigate beyond their proposed water usage, continued through its administrative process with the Idaho Department of Water Resources.</p>
 GOAL 3 Limit our footprint <div style="display: flex; justify-content: space-between;"> 15 LIFE ON LAND </div>	<p>Minimize disturbances to land, water, air, wildlife, and night skies through identifying opportunities to eliminate, reduce, mitigate, or offset impacts.</p>	<p>Reduced waste by recycling ~255 lbs of material and 2.7 tons of scrap metal, diverting it from landfills.</p> <p>Use of solar power on site to reduce diesel consumption.</p>
 GOAL 4 Be a responsible link in the clean energy supply chain <div style="display: flex; justify-content: space-between;"> 7 AFFORDABLE AND CLEAN ENERGY 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE </div> <div style="display: flex; justify-content: space-between;"> 11 SUSTAINABLE CITIES AND COMMUNITIES 12 RESPONSIBLE CONSUMPTION AND PRODUCTION </div>	<p>Take the necessary steps to ensure Perpetua's supply chain partners are operating in accordance with Company's ESG goals.</p>	<p>Perpetua's supply agreement with Ambri Inc. supports clean energy production and the decarbonization of energy grids worldwide through the development of domestic manufacturing of battery technology.</p>

SOCIAL ROADMAP UPDATE

ROADMAP GOAL	COMMITMENT	2024 ACTIONS	ROADMAP GOAL	COMMITMENT	2024 ACTIONS
 GOAL 5 Work with communities and regulators to refine environmental outcomes of the Stibnite Gold Project <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 6 CLEAN WATER AND SANITATION 16 PEACE, JUSTICE AND STRONG INSTITUTIONS </div>	GOAL 5 Work with communities and regulators to refine environmental outcomes of the Stibnite Gold Project <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 6 CLEAN WATER AND SANITATION 16 PEACE, JUSTICE AND STRONG INSTITUTIONS </div>	<p>Take public and stakeholder feedback seriously. Assess potential opportunities to further improve environmental outcomes and ensure the best project moves forward.</p> <p>Continued to listen to community, agency and tribal feedback to bring project changes that improved environmental outcomes.</p> <p>Perpetua Resources held 12 office hours, gave 57 presentations on the Project and brought more than 170 people up to Stibnite over the past year.</p>	 GOAL 7 Foster an open and transparent relationship with our local communities <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 4 QUALITY EDUCATION 11 SUSTAINABLE CITIES AND COMMUNITIES </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 16 PEACE, JUSTICE AND STRONG INSTITUTIONS 17 PARTNERSHIPS FOR THE GOALS </div>	GOAL 7 Foster an open and transparent relationship with our local communities <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 4 QUALITY EDUCATION 11 SUSTAINABLE CITIES AND COMMUNITIES </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 16 PEACE, JUSTICE AND STRONG INSTITUTIONS 17 PARTNERSHIPS FOR THE GOALS </div>	<p>Commit to operating with transparency and accountability.</p> <p>Stibnite Advisory Council released an economic impact study on the impacts of the Stibnite Gold Project. The study was conducted by Recon Insight Group. This information will help communities understand and prepare for what lies ahead.</p> <p>Delivered technical presentations to the Stibnite Advisory Council on:</p> <ul style="list-style-type: none"> • Burntlog Road improvements • Completion of early action restoration to improve water quality on site • Financial assurance package for the Stibnite Gold Project • Department of Defense funding • Perpetua Resources safety protocols • Economic impacts • Air quality permit update <p>Delivered more than 57 community presentations and hosted 28 site tours.</p> <p>Held monthly public office hours and monthly Stibnite Advisory Council meetings.</p>
 GOAL 6 Nurture connections with our tribal communities and identify opportunities to collaborate <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 11 SUSTAINABLE CITIES AND COMMUNITIES 16 PEACE, JUSTICE AND STRONG INSTITUTIONS </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 17 PARTNERSHIPS FOR THE GOALS </div>	GOAL 6 Nurture connections with our tribal communities and identify opportunities to collaborate <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 11 SUSTAINABLE CITIES AND COMMUNITIES 16 PEACE, JUSTICE AND STRONG INSTITUTIONS </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 17 PARTNERSHIPS FOR THE GOALS </div>	<p>Have direct dialogue and ongoing solution finding with Tribal leadership, staff and membership to ensure the Project protects tribal treaty rights and supports the social, cultural, and economic goals of the tribes.</p> <p>Continued open dialogue with Idaho tribes, including hosting meetings with the Shoshone-Bannock and Shoshone-Paiute Tribal Councils.</p>	 GOAL 8 Create economic partnerships that sustain beyond the life of the mine <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 4 QUALITY EDUCATION 8 DECENT WORK AND ECONOMIC GROWTH </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 11 SUSTAINABLE CITIES AND COMMUNITIES 17 PARTNERSHIPS FOR THE GOALS </div>	GOAL 8 Create economic partnerships that sustain beyond the life of the mine <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 4 QUALITY EDUCATION 8 DECENT WORK AND ECONOMIC GROWTH </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 11 SUSTAINABLE CITIES AND COMMUNITIES 17 PARTNERSHIPS FOR THE GOALS </div>	<p>Share economic benefits from the Project with local communities.</p> <p>Hire and train locally when possible.</p> <p>Use profit-sharing agreement to fund charitable endowment to provide sustained economic benefits long after the life of the mine.</p> <p>Spent \$23.6+ million on Idaho products and services.</p> <p>Partnered with 299 Idaho vendors in 2024.</p> <p>Continued hiring locally whenever possible. 73% of Company employees are Idaho residents.</p> <p>Awarded \$32,000+ through the Stibnite Foundation to 7 local nonprofit organizations and fire/EMS departments.</p> <p>\$40,000 to support the expansion of Career Technical Education opportunities at the local high school.</p> <p>Provided \$286,500 in community contributions.</p>

GOVERNANCE ROADMAP UPDATE

ROADMAP GOAL	COMMITMENT	2024 ACTIONS
 GOAL 9 Develop a diverse and inclusive team <div style="display: flex; justify-content: space-around; align-items: center;"> 5 GENDER EQUALITY 10 REDUCED INEQUALITIES </div>	Recruit, build, and retain a diverse workforce.	Perpetua works to recruit and retain a workforce with a myriad of backgrounds, perspectives, and experiences to ensure we have the most qualified group of individuals.
 GOAL 10 Adopt a long-term ESG reporting framework <div style="display: flex; justify-content: space-around; align-items: center;"> 16 PEACE, JUSTICE AND STRONG INSTITUTIONS </div>	Engage in ESG policies and annual reporting to support consistent and reliable reporting, transparency, and accountability.	Issued 11th annual sustainability report and third report to follow the SASB framework.
 GOAL 11 Disclose and report current and future GHG emissions <div style="display: flex; justify-content: space-around; align-items: center;"> 12 RESPONSIBLE CONSUMPTION AND PRODUCTION 13 CLIMATE ACTION </div> <div style="display: flex; justify-content: space-around; align-items: center;"> 16 PEACE, JUSTICE AND STRONG INSTITUTIONS </div>	Audit GHG emissions annually through third-party analysis, using the globally recognized GHG Protocol.	Reported Scope 1 & 2 GHG emissions, provided via third-party analysis.

GOVERNANCE ROADMAP UPDATE

ROADMAP GOAL	COMMITMENT	2024 ACTIONS
 GOAL 12 Set science-based GHG Emissions target before operations begin <div style="display: flex; justify-content: space-around; align-items: center;"> 7 AFFORDABLE AND CLEAN ENERGY 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE </div> <div style="display: flex; justify-content: space-around; align-items: center;"> 12 RESPONSIBLE CONSUMPTION AND PRODUCTION 13 CLIMATE ACTION </div>	Establish a GHG emissions baseline and develop a carbon reduction target based on feasible offsets, mitigations, and reductions.	Onsite solar generation mitigated CO2 emissions equivalent to the absorption capacity of 286 trees. Continued work with third parties to assess the feasibility of carbon emission offsets and mitigations.
 GOAL 13 Protect our people and our communities <div style="display: flex; justify-content: space-around; align-items: center;"> 3 GOOD HEALTH AND WELL-BEING 8 DECENT WORK AND ECONOMIC GROWTH </div> <div style="display: flex; justify-content: space-around; align-items: center;"> 12 RESPONSIBLE CONSUMPTION AND PRODUCTION </div>	Implement an Environmental, Occupational Health & Safety Management System to grow internal training requirements for employees, contractors and consultants. Continually update and share emergency response plans.	100% employee participation in environmental, occupational health & safety awareness trainings. For the second year in a row, Perpetua earned OSHA's Safety & Health Achievement Recognition Program (SHARP) designation for the Company's exemplary commitment to the health and safety of its employees. Reached 154 months with no reportable spills in 2024. Reached 109 months with no lost time injuries in 2024. Perpetua employees completed 2,310 hours of employee safety training. Continued to administer a community safety program to give community members an opportunity to share concerns directly with Perpetua team.

FORWARD-LOOKING STATEMENTS

Information and statements contained in this report that are not historical facts are "forward-looking information" or "forward-looking statements" (collectively, "Forward-Looking Information") within the meaning of applicable Canadian securities legislation and the United States Private Securities Litigation Reform Act of 1995. We use words such as "may," "would," "could," "should," "will," "expect," "anticipate," "believe," "intend," "plan," "potential," "estimate" and similar expressions suggesting future outcomes or events to identify forward-looking statements or forward-looking information. Forward-Looking Information includes, but is not limited to, information concerning the business of Perpetua Resources Corp. (the "Company"); the Stibnite Gold Project (the "Project"); statements with respect to financial results; disclosure regarding possible events, conditions or financial performance that is based on assumptions about future economic conditions and courses of action; next steps and courses of action including the prospects and timing of successfully securing financing for the Project on acceptable terms, or at all; environmental clean up actions by us and our contractors; ongoing funding and anticipated liquidity; our ability to comply with and obtain permits related to the Stibnite Gold Project; actions to be taken by the USFS, the Department of Defense, the State of Idaho and other government agencies and regulatory bodies; our ability to successfully implement and fund the Project and the occurrence of the expected benefits from the Project; timing of anticipated milestones related to the Project; predictions regarding improvements to water quality, water temperature, and fish habitats and other environmental conditions at the site, including with respect to process and timing of such improvements; reduction of the Project footprint and the anticipated benefits and other effects thereof; our ability to successfully implement the Project and the occurrence of the expected benefits from the Project, including contributions to the workforce, national security and clean energy transition; ESG-related goals, strategies, priorities and initiatives, including, among others, those related to GHG emissions, waste and hazardous materials management, habitat and biodiversity, health, safety and wellbeing, labor practices and human rights; our and Ambri, Inc.'s ("Ambri") ability to perform under the supply agreement described in this report, which agreement is subject to certain conditions, including completion of the permitting process for the Project, commencement of commercial production of antimony, identification of one or more refiners to transform our antimony concentrate into antimony metal, and mutual agreement on certain material terms, including volume and pricing; the anticipated economic, environmental and other benefits of the Project; the viability of the Project; development and operating costs in the event that a production decision is made; success of exploration, development and environmental protection, closure and remediation activities; permitting time lines and requirements; requirements for additional capital; requirements for additional water rights and the potential effect of proposed notices of environmental conditions relating to mineral claims; risks and opportunities associated with the Project; planned exploration and development of properties and the results thereof; planned expenditures, production schedules and budgets and the execution thereof. Statements concerning mineral resource and mineral reserve estimates may also constitute Forward-Looking Information to the extent that they involve estimates of the mineralization that may be encountered if the Project is developed. In preparing the Forward-Looking Information herein, the Company has applied several material assumptions, including, but not limited to, assumptions underlying the basic engineering work and the Financial Update; that we will be able to obtain sufficient funding to finance permitting, preconstruction and construction of the Project and that all requisite information will be available in a timely manner; that the current exploration, development, environmental and other objectives concerning the Project can be achieved and that its other corporate activities will proceed as expected; that the current price and demand for gold and antimony will be sustained or will improve; that general business and economic conditions will not change in a materially adverse manner and that all necessary

governmental approvals for planned activities on the Project will be obtained in a timely manner and on acceptable terms; that permitting, construction and operations costs will not materially increase; the continuity of the price of gold, antimony and other metals, economic and political conditions and operations; and the assumptions set out in the Company's reports filed with the SEC. Forward-Looking Information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company 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, among others, the industry-wide risks and project-specific risks identified in the Company's reports filed with the SEC; operations and contractual obligations; changes in exploration programs based upon results of exploration; changes in estimated mineral reserves or mineral resources; future prices of metals and minerals; availability of personnel and equipment; equipment failure; accidents, effects of weather and other natural phenomena and other risks associated with the mineral exploration industry; environmental risks, including environmental matters under US federal and Idaho rules and regulations; impact of environmental remediation requirements and the terms of existing and potential consent decrees on the Company's planned exploration and development activities on the Project, physical and transition risks associated with climate change, increased attention to ESG-related matters, risks related to our public statements with respect to such matters that may be subject to heightened scrutiny from public and governmental authorities related to the risk of potential "greenwashing," (i.e., misleading information or false claims overstating potential sustainability related benefits); certainty of mineral title; community relations; delays in obtaining governmental approvals or financing; the Company's dependence on one mineral project; the nature of mineral exploration and mining and the uncertain commercial viability; the Company's lack of operating revenues; governmental regulations and the ability to obtain necessary licenses and permits; risks related to prior unregistered agreements, transfers or claims and other defects in title to mineral projects; currency fluctuations; changes in environmental laws and regulations and changes in the application of standards pursuant to existing laws and regulations; risks related to dependence on key personnel; risks to employee health and safety and a slowdown or temporary suspension of operations in geographic locations impacted by an outbreak of disease; estimates used in budgeting and financial statements proving to be incorrect; risks related to opposition to the Project; risks related to increased or unexpected costs in operations or the permitting process; risks that necessary financing will be unavailable when needed on acceptable terms, or at all; risks related to the outcome of litigation and potential for delay of the Project, as well as those factors discussed in the Company's public disclosure record. Although the Company has attempted to identify important factors that could affect the Company 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. Because it is not possible to predict or identify all such factors, this list cannot be considered a complete set of all potential risks or uncertainties. 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 and liquidity, 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, are available at www.sec.gov and with the Canadian securities regulators, which are available at www.sedar.com. Except as required by law, the Company expressly disclaims any obligation to update the Forward-Looking Information herein.



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