Ivanhoe ELECTRIC

AMERICAN COPPER FOR A STRONGER FUTURE

2024

SUSTAINABILITY REPORT

LEVERAGING **DISRUPTIVE TECHNOLOGIES** TO FIND AND DEVELOP **NEW SOURCES OF CRITICAL METALS**

We are a United States-domiciled minerals exploration company with a focus on finding and developing new sources of copper and other critical metals. We are supporting domestic supply chain security by finding and delivering the critical metals necessary to help meet United States' demand. We believe the United States is significantly underexplored and has the potential to yield major new mineral discoveries.

We use our disruptive, proprietary exploration technologies to guide and accelerate our exploration efforts. Our powerful Typhoon™ geophysical surveying system allows us to see deep beneath the surface, through resistive covers, in search of new deposits. The complex, machine learning-based inversion software of our 94%-owned subsidiary, Computational Geosciences Inc., provides industry-leading data analytics to rapidly convert the raw data from Typhoon™ into 3-D images to guide exploration drilling. Our technology-driven exploration platform allows our team of professionals to cover large areas rapidly and efficiently.

Our high-quality portfolio of electric metals exploration projects is headlined by the Santa Cruz Copper Project in Arizona, located entirely on private land. We operate a 50/50 Joint Venture with Saudi Arabian Mining Company Maaden to explore for minerals on approximately 48,500 square kilometers of underexplored land in the Arabian Shield. In 2024, we announced our Exploration Alliance with the world's largest mining company, BHP, leveraging our Typhoon™ and Computational Geosciences Inc. technology-driven exploration platform to explore for new deposits of critical metals in the Southwest United States.

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A MESSAGE FROM OUR PRESIDENT AND CEO

As the US seeks to satisfy its demand for copper and critical minerals from domestic sources, Ivanhoe Electric remains focused on delivering results the right way – through a steadfast commitment to integrity, sustainable practices, value creation and responsible growth.

At Ivanhoe Electric, we are committed to conducting our operations in a safe and responsible manner and upholding the highest standards of Environmental, Social and Governance (ESG) policies across the entire exploration and mining lifecycle. Diligently following these practices is not only the right thing to do, it also creates the highest long-term value for our Company, our shareholders and the communities in which we operate.

We recognize that successful mineral exploration and development requires not only technical expertise, but also the establishment of positive collaboration and trust with our neighbors. Acting in partnership with our local communities and regulatory agencies, we prioritize strong relationships, transparency and open dialogue. In doing so, we seek to deliver lasting economic value in an environmentally responsible manner as we search for and develop new sources of critical metals, focused primarily on copper.

Since the release of our inaugural Sustainability Report, we have continued to advance our efforts and have achieved significant milestones at our projects.

I am especially proud of the accomplishments at our Santa Cruz Copper Project in Arizona. Ideally located on nearly 6,000 acres of private land in the heart of America's Copper State, Santa Cruz is a high-grade, underground copper project designed to produce pure copper cathode onsite utilizing the most modern and efficient mining methods. As described in our June 2025 Preliminary Feasibility Study, our modern design and the utilization of efficient renewable energy plus battery storage contributes to a small surface footprint, low estimated unit operating costs and low projected carbon dioxide emissions per tonne of copper produced.

In 2024, our Santa Cruz team made significant progress on permitting and continued their positive engagement with the local community and regulatory agencies. In February 2025, the City of Casa Grande approved a major amendment to the existing Planned Area of Development to allow for mining activities on approximately 3,500 acres of the property, and Pinal County recently granted a Class II Air Quality Permit for construction. The team is actively working to submit several permits required to start construction. In June 2025, we reached a major milestone with the release of our Santa Cruz Copper Project Preliminary Feasibility Study (PFS) and Technical Report. The highly engineered Study provides a detailed description of the project's mining and processing operations and our commitment to environmental responsibility. With our PFS completed, we are now in position to advance our major permit applications with city, county and state agencies.

We plan to use renewable energy and integrated battery storage facilities to provide at least 70% of the project's electricity. By producing pure copper cathode on-site, we will not create emissions associated with smelting of copper concentrate. Santa Cruz is designed to be a modern, clean, efficient producer of pure copper cathode in the United States for decades to come. The copper produced at Santa Cruz will be an important contributor to domestic industry, energy efficiency and supply chain security.

We encourage stakeholders to visit our website to explore the PFS and learn more about the Santa Cruz Copper Project and our plans to set new standards in modern and efficient mining in the United States.

We are excited for the future at Ivanhoe Electric. Everything we do starts with a steadfast focus on the safety of our people and the well-being of the communities and environments in which we operate. We look forward to responsibly advancing our projects and delivering the critical metals needed for a cleaner, brighter future.

TAYLOR MELVIN
President and Chief Executive Officer

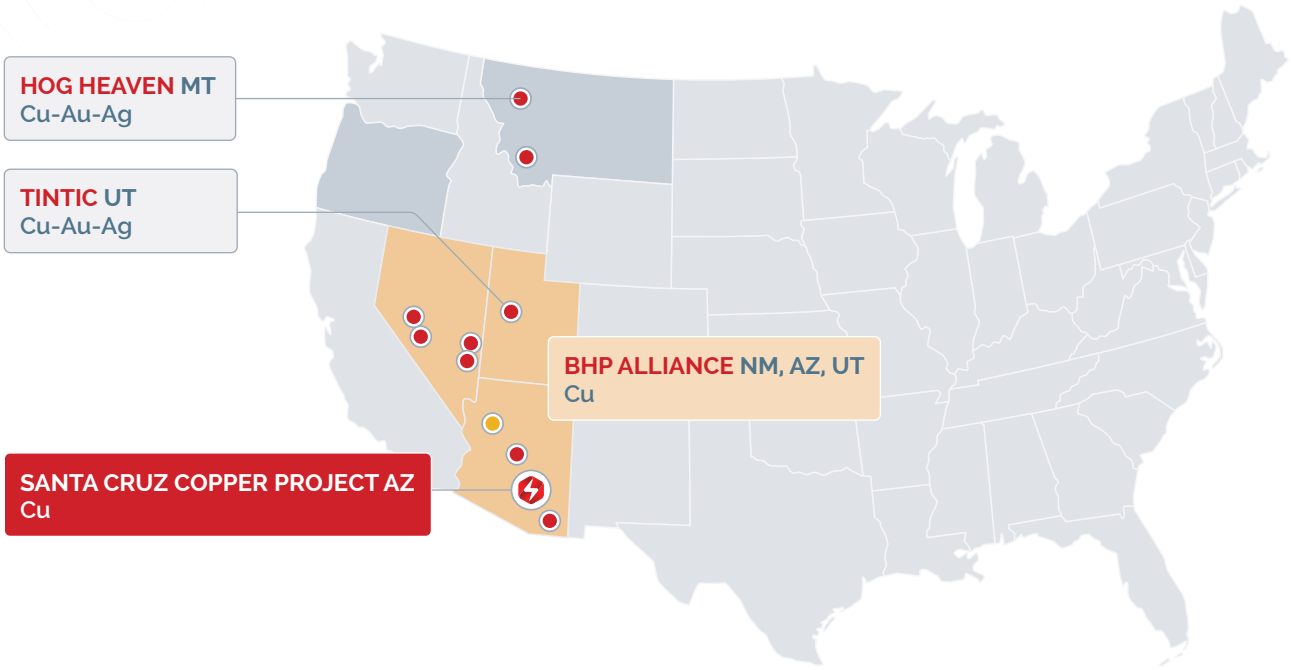
In 2024, we released our Summary of Sustainable Practices, aligning with recognized sustainability frameworks.

We also deepened our commitment through a series of strategic actions:

- **Conducted an internal materiality assessment to evaluate sustainability-related risks and opportunities.**
- **Established a Board-level Health, Safety and Environmental (HSE) Committee and published our HSE Policy.**
- **Introduced a Supplier Code of Conduct and added Human Rights and Equal Opportunity commitments to our Company Code of Conduct.**
- **Launched a Business Conduct and Ethics training program across all levels of the organization.**
- **Strengthened our executive team, adding an experienced and dedicated Health & Safety leader.**
- **Expanded stakeholder engagement efforts and increased community outreach.**
- **Began collecting operations data to better understand our environmental footprint.**
- **Advanced water and energy studies to support responsible development.**

OPERATIONAL FOOTPRINT

2024 PROJECT LOCATIONS



Summary of operational assets: The inventory of exploration assets in support of the Santa Cruz Copper Project includes administrative offices, structures related to drilling operations or mineral analysis and diesel-powered equipment such as generators and mobile vehicles, and will evolve as we approach mine construction.

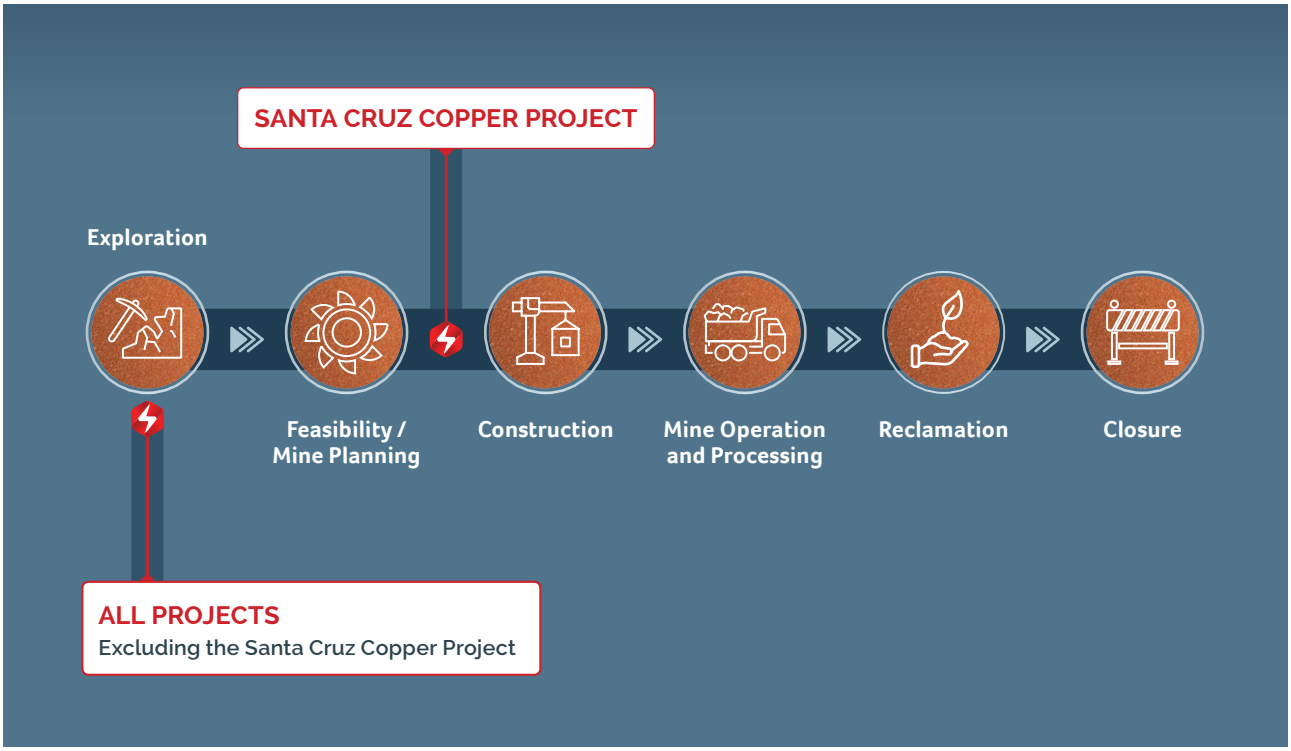
The Santa Cruz Copper Project in Arizona is our most advanced-stage mineral project, and in June of 2025, we published the project's Preliminary Feasibility Study (PFS), which includes drilling operations and resource delineation, to-date. The PFS also provides greater detail on the project's mineral resources and reserves, proposed mine design, engineering and construction, as well as capital and operational expenditures over the life of mine.

Other projects across our exploration portfolio in Arizona, Nevada, New Mexico, Montana and Utah have not yet advanced to the stage of declaring mineral resources. However, regardless of project stage, sustainable practices are considered in all project strategies.

ADVANCING ONE OF AMERICA'S LARGEST AND HIGHEST-GRADE UNDEVELOPED COPPER RESOURCES TOWARDS PRODUCTION

Construction activities at the Santa Cruz Copper Project are forecasted to commence in 2026. As the project advances, we will integrate best practices – in collaboration with leading design and construction engineers and mine development specialists – to ensure a state-of-the-art, environmentally and socially responsible mining operation.

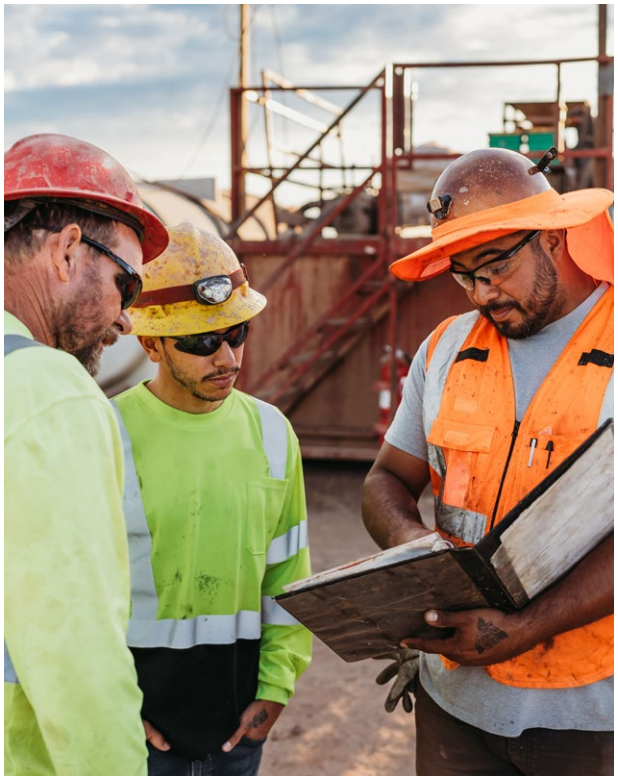
PROJECT STAGE



MANAGING VENDORS AND ENSURING BEST PRACTICES

In 2024, Ivanhoe Electric engaged approximately 150 suppliers at an approximate spend of $60 million.

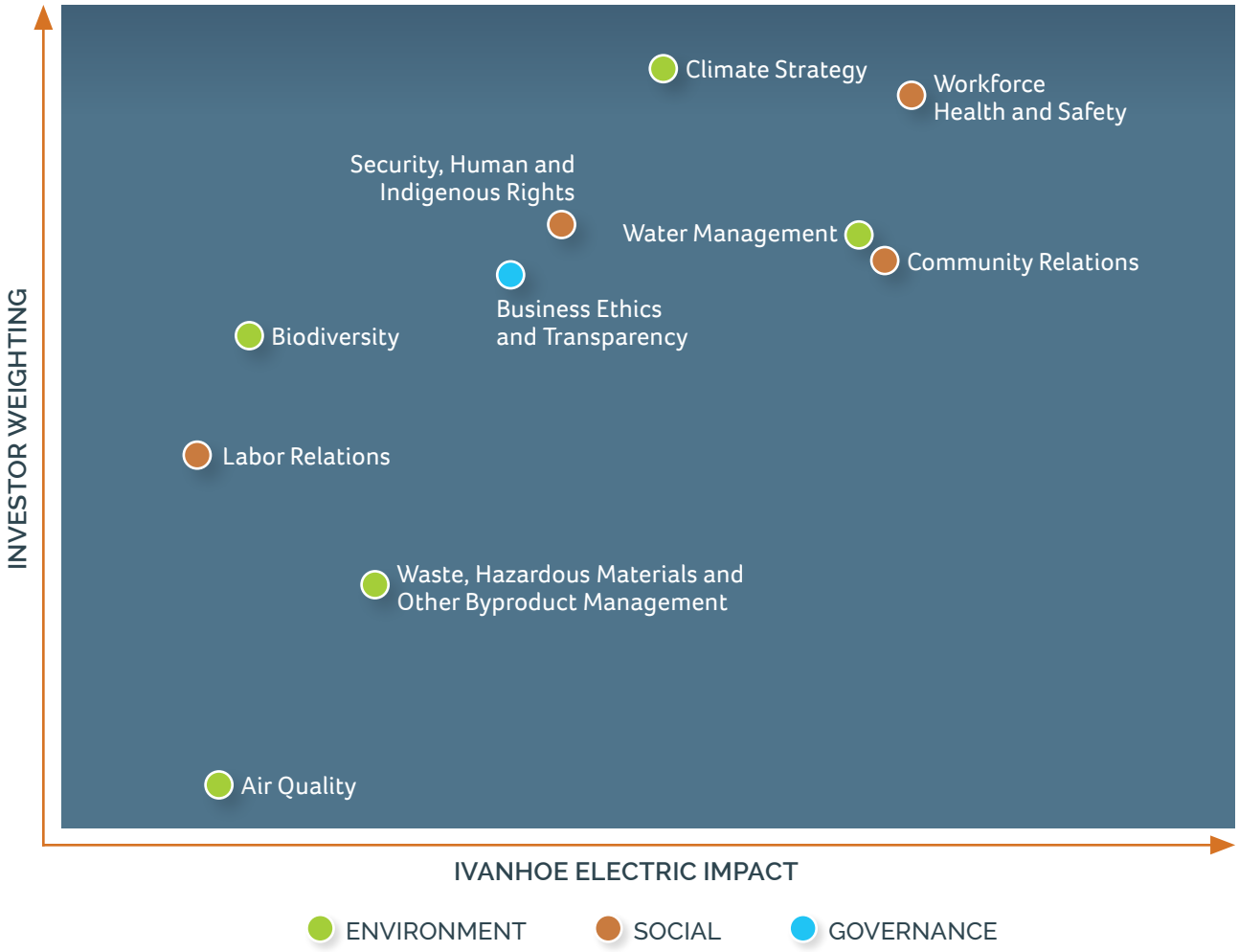
Progress on the Santa Cruz Copper Project depends on the support of Ivanhoe Electric employees and a growing list of professional and contractor services, including professional engineering design services, contract drilling providers and laboratory and analysis work. As the project advances, we will require significant engineering and construction management services. In preparation, we developed and published our Supplier Code of Conduct, and integrated its provisions into the due-diligence contract terms and conditions for vendors. Several of these provisions are sustainability related, to encourage best practices and systems thinking and to optimize our extraction and processing operations.



MATERIALITY ASSESSMENT

To help develop and refine our sustainability strategy, in 2024 we conducted an internal materiality assessment – a survey that identifies the sustainability topics of greatest importance to our stakeholders. The results of that assessment are below. We chose to adopt the investor-related environmental and social topics that are recommended by the Sustainability Accounting Standards Board (SASB) – Metals & Mining sector.

For the next five years, our primary sustainability focus will be on developing the Santa Cruz Copper Project. As an exploration company, as we advance through mine construction to become a producer of refined copper cathode, our material topics will evolve and we will consider implementing additional reporting frameworks, such as the Global Reporting Initiative (GRI) and its Mining sector standard.



NOTES:

For more details on our materiality assessment, please see our 2024 Summary of Sustainability Practices report.

To align with the PFS, "Tailings Storage Facilities Management" was removed, and is no longer a material topic.

The topic "Climate Strategy" was created by combining SASB Energy Management and Greenhouse Gas Emission topics.

References to materiality refer to terms in the context of ESG strategy and reporting.

GOVERNANCE

Ivanhoe Electric is committed to upholding the highest standards of corporate governance, ensuring transparency, accountability and ethical conduct in all aspects of our operations. Our governance framework is designed to align with industry's best practices, regulatory requirements and stakeholder expectations, fostering long-term value creation while maintaining corporate integrity.

Our corporate governance structure is disclosed in our Form 10-K, Annual Report, Proxy Statements, and on our website's Corporate Governance section.

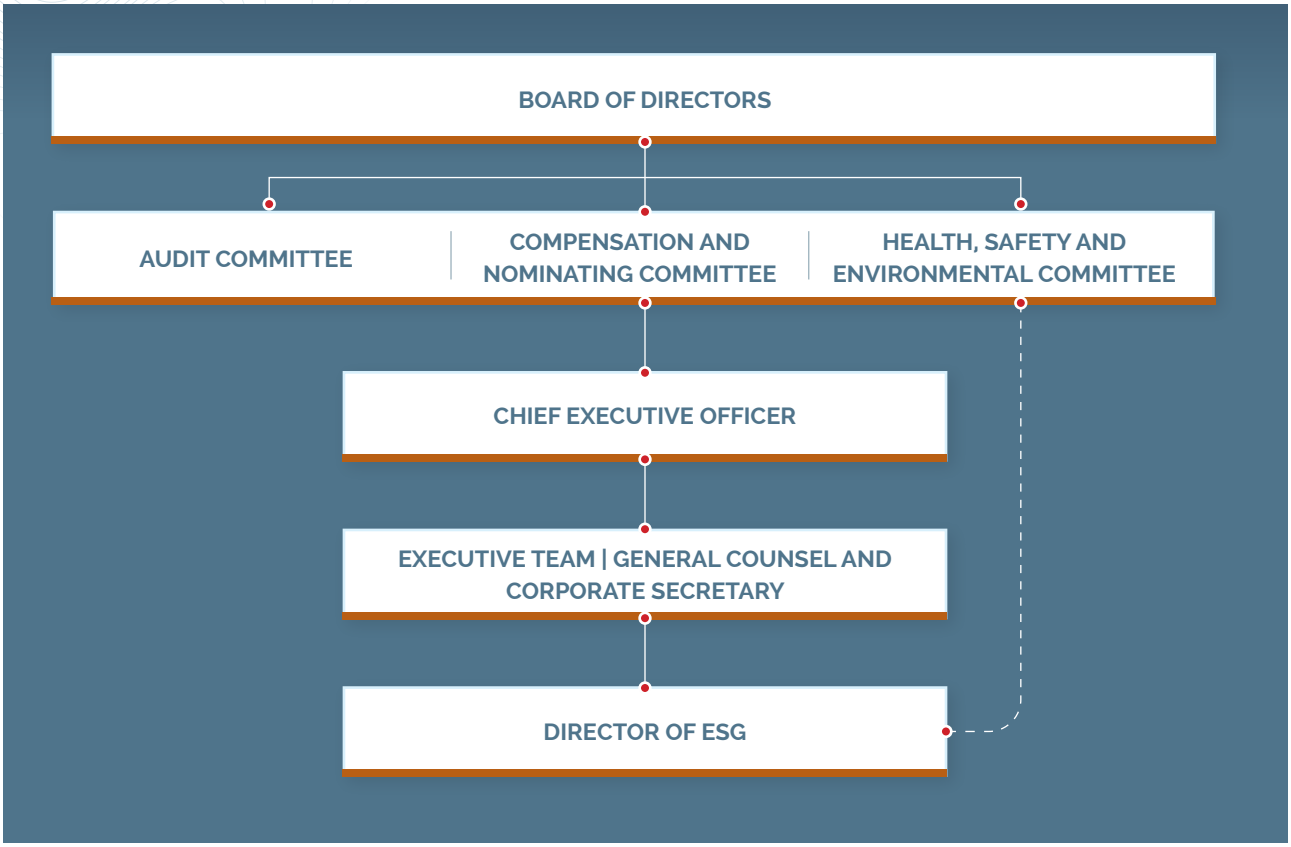
Ivanhoe Electric's Board of Directors plays a critical role in overseeing the Company's strategy and ensuring responsible mining practices. Our Board is composed of diverse and experienced members who provide strategic guidance and independent oversight, which also includes performing periodic reviews of the Company's corporate governance guidelines and applicable policies.

HEALTH, SAFETY AND ENVIRONMENTAL OVERSIGHT

In the first quarter of 2024, the Board established the Health, Safety and Environmental (HS&E) Committee. This committee has oversight of the Company's risks and opportunities regarding key health and safety, environmental, climate change, social policies and matters affecting the Company's business as mandated in the committee's charter. The committee guides the sustainability strategy and resources needed to ensure accurate reporting of ESG matters for the Company. Prior to scheduled board meetings, the HS&E Committee met three times with 100% participation, and reviewed progress on applicable policies, strategies, risk management, performance metrics and targets.

Ivanhoe Electric's management includes a specialized position reporting to Executive Management through the Company's General Counsel and Corporate Secretary. This role collaborates with key functional departments such as Human Resources, Health and Safety, Environmental, Mine and Exploration Operations, Finance, Accounting and Community Affairs to integrate material topics, risks and opportunities into department planning.

ESG OVERSIGHT STRUCTURE



BUSINESS CONDUCT, ETHICS AND TRANSPARENCY

Ivanhoe Electric requires that all employees, directors, officers, contractors and consultants are informed of and understand its corporate policies and agree to comply. The Company provides ongoing training focused on important compliance topics, including anti-bribery and anti-corruption, conflicts of interest, insider trading and Human Resources-related matters such as anti-harassment and anti-discrimination.

In 2024, 100% of Ivanhoe Electric employees participated in the following training programs:

- Code of Business Conduct and Ethics
- Anti-Bribery and Anti-Corruption
- Anti-Harassment

Ivanhoe Electric utilizes third-party cloud-based software services for facilitating review of and training on Company policies. Ivanhoe Electric's General Counsel and Corporate Secretary, in collaboration with Human Resources, oversees compliance with these policies. Upon hiring and onboarding, employees and contractors are required to review and confirm compliance with our policies. Employees also review and confirm compliance annually. We encourage our employees to share our policies with our business partners and community members so they are aware of our commitment to honesty, integrity, accountability and respect.

In 2024, Ivanhoe Electric's Board approved new policies and policy provisions, including Health, Safety and Environmental Policy, Supplier Code of Conduct, as well as Human Rights and Equal Opportunity provisions within the Company's Code of Business Conduct and Ethics.

ETHICS COMPLIANCE

Ivanhoe Electric has adopted a Whistleblower Policy and reporting mechanisms to encourage transparency and accountability. The policy provides clear procedures for employees, directors, officers, contractors, consultants and other stakeholders to confidentially report, directly or anonymously, any wrongdoings or suspected wrongdoings, including any violations of the Code of Business Conduct and Ethics or illegal activity without fear of reprisal, as it is illegal for the Company to retaliate against any person who reports violations.

Any person can make a Whistleblower report through an independently operated web portal, ivanhoeelectric.ethicspoint.com, or by calling the Whistleblower Hotline at 1-844-680-3966, a 24-hour telephone service.

"The Audit Committee oversees the Code of Business Conduct and Ethics reporting; a responsibility we take very seriously. Upholding transparency and ethical conduct begins with fostering trust in the systems we have in place, including our Whistleblower Hotline, a vital safeguard for our business, communities and people."

RUSSELL BALL
Chair, Audit Committee

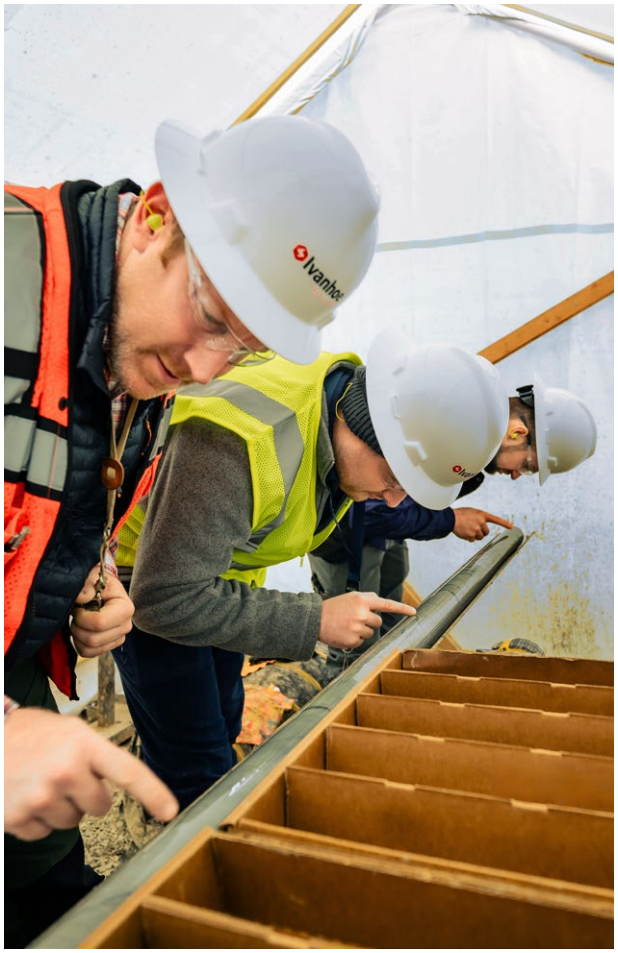
RISK MANAGEMENT

Our approach to managing risk is built on proactively assessing and preventing incidents, while also protecting the organization, our people and the communities in which we operate. We strive to prevent the occurrence and consequences of unwanted events through risk analysis to identify, assess, prevent, mitigate and effectively reduce our risk exposure. We actively engage with shareholders, communities and regulatory bodies to ensure compliance and responsiveness to questions and concerns.

We will continue to identify risks and develop mitigation plans applicable to our business and current stage of development, including proactively monitoring and evolving our risk management needs and approach as we progress through mine development and towards mining operations. In the near-term, Ivanhoe Electric maintains a Risk Register which identifies 19 risks and ranks them across financial, operational, environmental, employee, community and innovation. A quantitative risk assignment is supported by defining the criteria based on severity and likelihood of occurrence, then comparing pre- and post-mitigation actions. Our sustainability-related Materiality Assessment provides applicable topics, which are considered and/or specifically included within our Risk Register.

Our Risk Register is reviewed by Executive Management and the Board of Directors twice a year to ensure effective, timely risk management for the long-term sustainability of the Company, as well as to avoid or minimize potential negative operational impacts as to the environment, society and the economy.

EXTRACTIVE SECTOR TRANSPARENCY OF GOVERNMENT PAYMENTS



The Extractive Sector Transparency Measures Act (ESTMA) advances transparency to reduce corruption in the extractive sector. In compliance with ESTMA, Ivanhoe Electric publicly reports payments made to governments.

2024 SASB METRIC

EM-MM-510A.2

Our Santa Cruz Copper Project is transitioning its operations and commercially available minerals, or revenue will not be realized for several years. As a U.S.-based company, we are not in the lowest rankings of the Transparency International's Corruption Perception Index.

FOR MORE INFORMATION

Corporate Governance web page

Investor Relations web page for access to annual 10-K Reports and Proxy Statements

Code of Business Conduct and Ethics

Anti-Corruption Policy

Whistleblower Policy

EthicsPoint

ESTMA Reports

2024 Corruption Perception Index

ENVIRONMENT

We are proud to be advancing a modern underground copper mine in the heart of Arizona's copper district. Across the mining sector and at the Santa Cruz Copper Project, opportunities and known challenges from an environmental standpoint are important to address at every stage of the mine life. Our approach is detailed further in the Preliminary Feasibility Study for the project.

Ivanhoe Electric is committed to embedding environmental criteria in our decision-making framework from the earliest stages of project exploration and development. Our corporate governance, including our Health, Safety and Environmental Policy, sets the foundation for the Company to attain a leadership role as we transition toward safe, fair and responsible mining.

In this section, we quantify the environmental footprint of our Santa Cruz Copper Project based on 2024 activities in accordance with Sustainability Accounting Standards Board (SASB) criteria. Exploration activities so far have had a minimal impact. Strategies required to mitigate future operational impacts are detailed below:

- **Water Management:** Copper mining operations often require significant water resources for ore processing and other mining activities. Sustainable water management is critical in arid regions like Arizona, where water scarcity is a concern.
- **Climate Strategy:** The extraction and processing of critical metals require significant energy, which often depends on non-renewable energy sources that contribute to climate change.
- **Biodiversity:** Mining operations can impact local ecosystems such as alterations of landscape, vegetation removal, and impacts to wildlife habitats.
- **Waste, Hazardous Materials and Other Byproduct Management:** Typical mining processes generate substantial amounts of waste, including spent ore, waste rock and other byproducts. Ensuring proper waste management, including robust containment and mitigation, is crucial for minimizing environmental impact.
- **Air Quality:** Mining operations can impact air quality and localized human health through particulate and gaseous emissions. Implementing emission control technologies is essential for reducing environmental impact and limiting consequences from increasingly stringent air quality regulations.

WATER MANAGEMENT

Our current water demand from exploration and drilling operations, dust suppression and use within buildings has been sourced from the local municipality. Similar uses will continue during mine construction activities. Forecasting water withdrawal and consumption during mining operations involves managing groundwater surplus due to the project's geology. As the ore is positioned below an aquifer, groundwater is expected to infiltrate the mine workings throughout the mine life at various rates. To prepare for water withdrawal, a baseline groundwater monitoring program is in place to ascertain water quality and help inform best management practice for groundwater monitoring during and after mining operations.

Design technologies, materials and equipment will be required to access the orebody for dewatering during underground construction and mining operations. Primary water consumption and initial 10-year estimates indicate the following per annum water balance:

WATER ACTIVITY	ESTIMATED VOLUME (CUBIC METERS PER YEAR)*
Mine Inflows	~11,000,000
Consumption (underground) for process and ventilation	~340,000
Consumption (aboveground) for heap leach pad, spent ore stockpile, solvent extraction process, paste backfill plant and evaporation	~5,400,000
Potential distribution**	~5,300,000

* This is a forecast and will be refined in detailed engineering design review.

** Considering the water balance, we are exploring distribution options for surplus water, such as pumping water via surface irrigation canals to stakeholders such as local farmers and other opportunities.

2024 SASB METRIC

EM-MM-140A.1

(1) 27,200 cubic meters of water withdrawn

(2) 27,200 cubic meters of water consumed

100% – The Santa Cruz Copper Project is located in an extremely high water-stress area; however, the area has a lower risk to drought and groundwater table decline (according to World Resource Institute's Aqueduct's Water Risk Atlas tool).

EM-MM-140A.1

In 2024, there were no incidents of non-compliance with water quality permits, standards or regulations.

FOR MORE INFORMATION

Form 10-K, Santa Cruz Copper Project, Permitting & Encumbrances (pgs. 15-16)

Form 10-K, Item 1A. Risk Factors, Water supply costs (pg. 69)

Form 10-K, Item 1A. Risk Factors. Climate risks (pg. 70)

S-K 1300 Preliminary Feasibility Study & Technical Report Summary

- 1.14 Infrastructure
- 1.16 Environmental, Closure & Permitting
- 14.8 Raw Water
- 15.1.6 Water Supply
- 15.1.7 Water Management
- Figure 15-3: Water Balance Process Flow Diagram
- 17.1.9 Groundwater Monitoring & Water Quality
- 17.1.11.1 Water Quality Predictions
- 17.2 Permits & Authorizations

World Resource Institute's Aqueduct's Water Risk Atlas tool

CLIMATE STRATEGY

Carbon dioxide emissions are intrinsically linked to energy consumption; thus, we have merged two SASB topics – Energy Management and Greenhouse Gas Emissions – for a collective climate discussion and analysis. Presently, the majority of our energy consumption, and consequently our carbon footprint, is primarily due to diesel fuel used during drilling operations. However, for upcoming construction and mining activities we have estimated energy usage and greenhouse gas emissions and have proposed targets to minimize our carbon impact.

Energy Management

Throughout the mine life, total power consumption will be a mix of diesel fuel and electricity. We anticipate initial use of diesel during mine access and construction. As operations progress, energy demand will shift toward electricity, particularly for ore conveying, processing, and copper production. Once the Santa Cruz Copper Project is fully operational, primary energy consumers are expected to be:

- **Underground:** mobile equipment and machinery, ventilation fans, dewatering pumps and a Railveyor system.
- **Aboveground:** crushing, grinding, agglomeration, the solvent extraction-electrowinning (SX-EW) plant, chiller units and the cement and paste backfill plant.
- **Other uses:** auxiliary and backup generators, mobile administrative/support vehicles and offices or support structures.

This forecast will be refined during the detailed engineering design phase. However, our annual energy balance estimate is as follows:

MINE ACTIVITY	ENERGY TYPE	ESTIMATED CONSUMPTION	GIGAJOULE (EQUIV.)	% OF TOTAL ENERGY
Consolidated for underground extraction, conveyance, surface processing, and paste backfill	Diesel	1,549,000 gallons	~ 227,000	11
	Electricity	513,103 MWh	~ 1,847,000	88
	Explosives	~ 5,000,000 kg	~ 21,000	~ 1

The project's goal is to utilize renewable solar energy supplemented by battery storage. The baseline plan includes sourcing up to 70% of the project's power from solar energy through a power purchase agreement, with the solar farm to be located and commissioned within the project's boundary. We are actively researching the feasibility and timing of implementing this integrated energy system.

Greenhouse Gas (GHG) Emissions

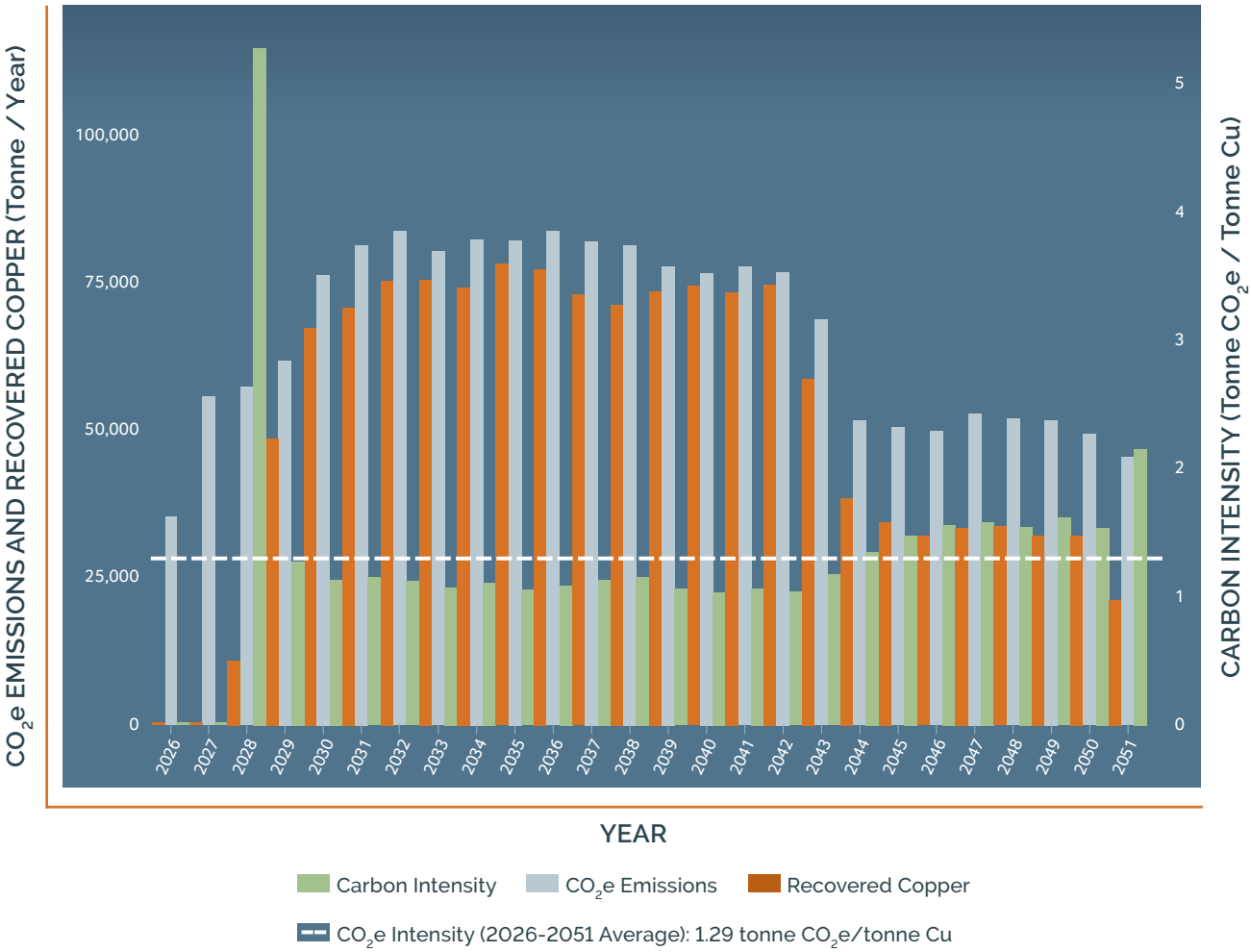
In addition to reporting Scope 1 emissions as required by SASB's primary metric, we also plan to report Scope 2 emissions. At this stage of growth and development, the project's emissions remain minimal. As mine construction progresses and underground mine workings begin, our emissions profile will evolve in line with energy consumption.

Scope 1 emissions – driven primarily by diesel fuel use – will result largely from construction activities, operation of mining and excavation equipment, use of vehicles and the deployment of explosives to access mineral resources. Scope 2 emissions, which are indirect, will arise from electricity use during ore milling, underground ventilation, dewatering pumping systems, material handling, the solvent extraction-electrowinning process and operation of the paste backfill plant.

A long-term shift toward renewable energy presents a significant opportunity to reduce GHG emissions. As a result of our ongoing research into solar power and battery storage, the Santa Cruz Copper Project is projected to achieve low carbon dioxide emissions.

On the next page, emissions are summarized in lifetime carbon assessment for the project.

ANTICIPATED ANNUAL CO_2e EMISSIONS AND INTENSITIES (MAX 70% RENEWABLE)



2024 SASB METRIC

EM-MM-130A.1

(1) 15,238 Gigajoules

(2) 3% of grid electricity

(3) 0% renewable

EM-MM-110A.1

(1) Scope 1 emissions: 1,068 metric tons of carbon dioxide equivalent

(2) 0% are under emission-limiting regulations

Additional: Scope 2 emissions: 49.5 metric tons of carbon dioxide equivalent

FOR MORE INFORMATION

Health, Safety & Environmental Policy

Form 10-K, Item 1A. Risk Factors. Power supply costs and Climate risks (pgs. 69, 70)

S-K 1300 Preliminary Feasibility Study & Technical Report Summary

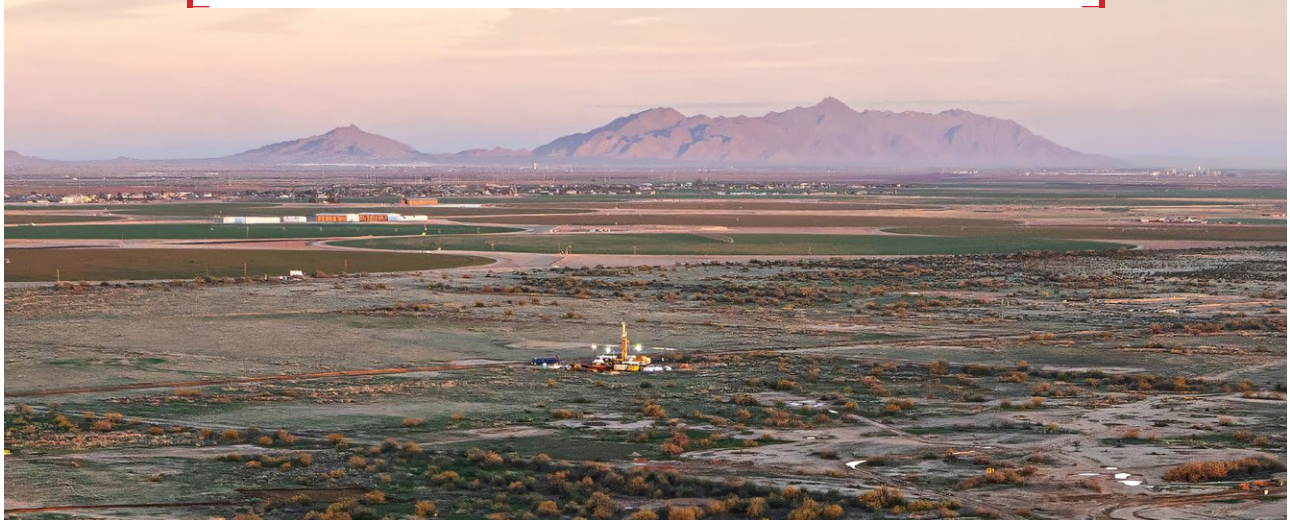
- 1.14 Infrastructure
- 15.1.4.1 Renewable Power
- 15.1.4.4 Power Consumption
- 17.1.7 Carbon Intensity
- Figure 17-2: Annual CO_2e Emissions & Intensities

WHAT IS THE DIFFERENCE BETWEEN SCOPE 1 AND SCOPE 2 EMISSIONS?

Scopes are determined by where the emissions originate from. **Scope 1** covers direct emissions that a company generates while performing its business activities, whereas **Scope 2** covers indirect emissions from purchased energy, such as electricity.

The Santa Cruz Copper Project encompasses 5,975 acres on private land. The only surface activities to-date are related to strategic drilling where land disturbance has been minimal. A key attribute of the project will be its underground mining operations which will significantly reduce surface disturbance and therefore minimize impact to the site's ecosystem.

Site planning and design for both underground and aboveground operations will occupy approximately 40% of total land, of which one-third is for the proposed solar field. This leaves 60% of the property boundary undisturbed.



BIODIVERSITY

Protected Conservation Status or Endangered Species Habitat

No species listed under the Endangered Species Act are expected to occur in the area and there are no federally designated or proposed critical habitats within the project area. Additionally, the project is not located within protected areas of the United States Geologic Survey Database or International Union for Conservation of Nature (IUCN), and no IUCN Red Listed Threatened Species have been identified in the area.

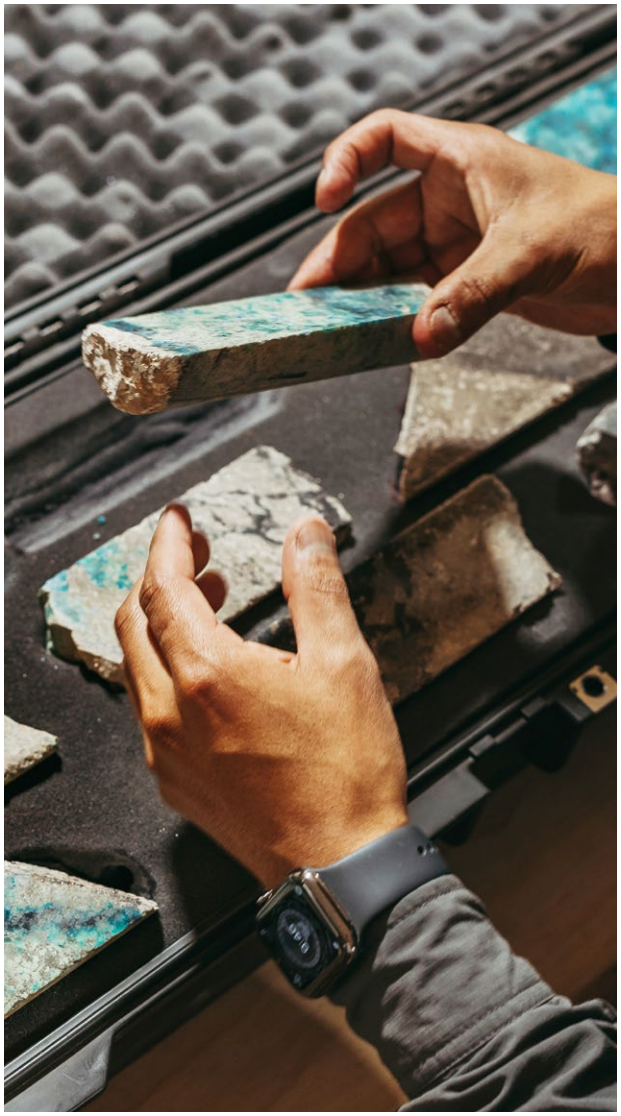
Public records note sightings of bald eagles perching on transmission poles and irrigation pivots west of the project, though no active nests are currently known. However, the project site is a known nesting area for several bird species. In compliance with the Migratory Bird Treaty Act (MBTA), the project has implemented protective measures, including weekly monitoring, pre-construction nest clearance surveys and avoidance or relocation of active nests. All employees and contractors receive training on nesting disturbance protocols and these monitoring practices will continue throughout the life of the project.

Surface Waters

A canal and wash are located within the project area. Research to date indicates that any discharge into these features will fall under the jurisdiction of the State of Arizona, rather than being classified as Waters of the United States by the Army Corps of Engineers. The project has been designed to avoid impacting potential Waters of the State of Arizona as well as Waters of the United States. Discharge into surface waters will not occur without necessary state permits. To support future management, baseline surface water monitoring commenced in 2024 to assess water conditions before construction and mining activities commence.

Acid Rock Drainage

Material characterization studies are being conducted to evaluate the environmental behavior of mined materials and to assess their potential for acid generation. These studies are essential for developing management strategies that protect land and water quality. Preliminary findings indicate a range of acid-generating and neutralizing potential across materials such as overburden, mineralized ore, spent ore, waste rock and paste backfill. Further testing is underway. Once all materials are characterized, Ivanhoe Electric will develop a variety of management programs including metal leaching and acid rock drainage, heap leach and spent ore operations, site-wide surface and groundwater management, and long-term closure planning.



2024 SASB METRIC

EM-MM-160A.2

Material characterization studies are ongoing. Predicting material acid-generating potential is still to be determined.

EM-MM-160A.3

0% reserves are in or near protected conservation status or endangered species habitats.

FOR MORE INFORMATION

Form 10-K, Item 1A. Risk Factors. EH&S regulatory risks (pg. 66)

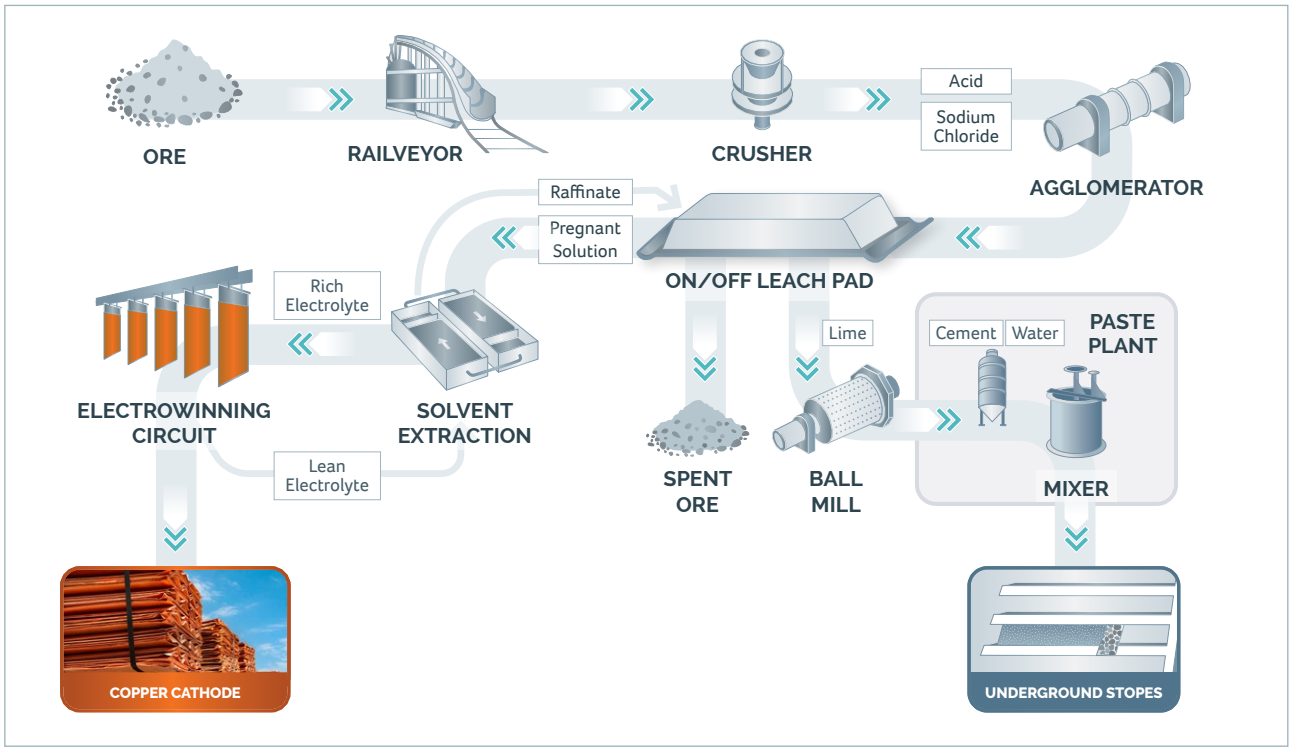
S-K 1300 Preliminary Feasibility Study & Technical Report Summary

- 17.1.1 Flora & Fauna
- 17.1.2 Special Status Species
- 17.1.3 Migratory Bird Treaty Act
- 17.1.4 Surface Water Mapping
- 17.1.8 Surface Water Monitoring
- 17.2 Permits & Authorizations
- Table 17-1: Permits Table
- 22.15 Environmental, Permitting & Social Considerations

WASTE, HAZARDOUS MATERIALS AND OTHER BYPRODUCT MANAGEMENT

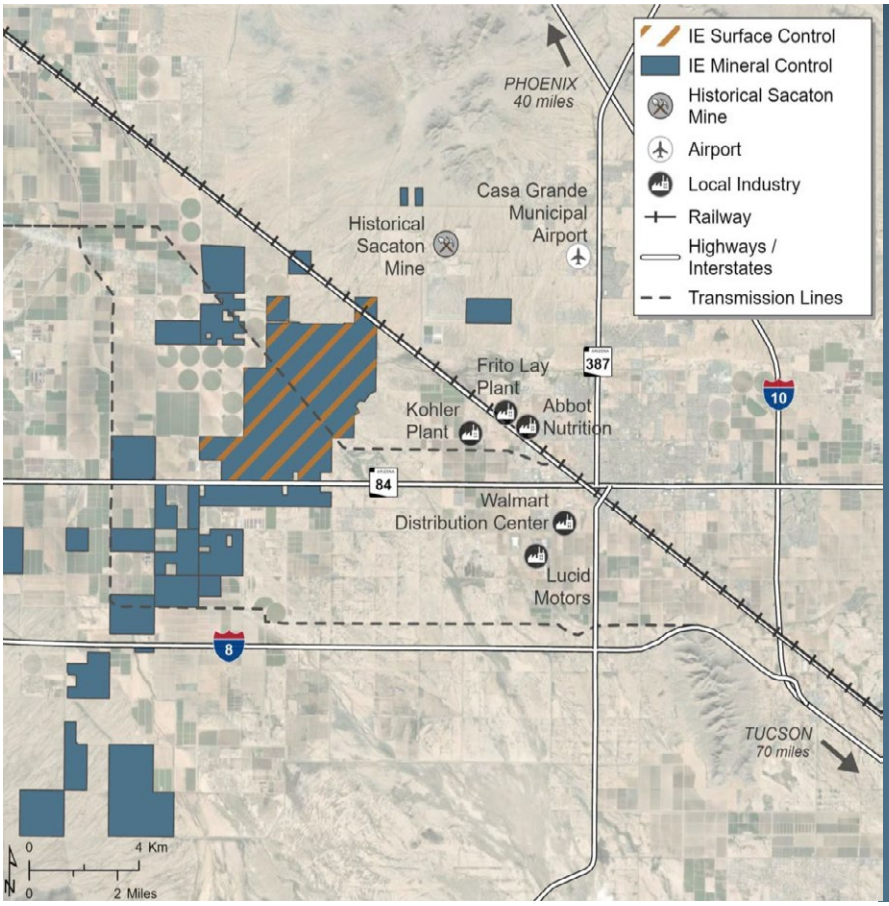
The current waste materials generated by exploration drilling activities include used oil, diesel fuel, aerosol cans, absorbents and petroleum contained soils. These materials are responsibly managed through appropriate disposal or recycling. Similar types of waste will continue to be produced during the construction phase, alongside additional construction waste. As the project transitions into mining operations, the waste profile will shift accordingly. Anticipated mining and processing waste materials will include:

- **Mine access material:** This consists of overburden and non-mineralized bedrock that must be removed to access the mineral resources. In the near term, overburden will make up the bulk of waste during the development of mining infrastructure. A significant portion of this material will be repurposed for construction of the heap leach pad, spent ore pads and storage ponds.
- **Mine area material:** This includes both mineralized bedrock and waste rock. The mineralized rock will be excavated as ore for processing and used for feedstock for the heap leach pad.
- **Mine processing residuals:** This refers to the spent ore remaining after heap leaching. The proposed heap leach pad design includes a rinsing stage for the spent ore, enabling much of it to be reused. This rinsed material will be mixed with cement and returned underground to backfill mined-out voids.



Another source of waste will come from the reagents used to process ore into a copper product. Some of these reagents, such as sulfuric acid, are classified as hazardous. Detailed process engineering will consider circularity and reuse in the design. The project is currently conducting ongoing studies to characterize these materials and evaluate their potential for reuse or appropriate disposal.

Results from these studies will contribute to the development of the site's environmental conceptual model. This model will guide understanding of the long-term behavior of waste materials, assess environmental risks, and determine the need for dedicated waste management and water treatment facilities.



AN OPTIMAL LOCATION FOR THE SANTA CRUZ COPPER PROJECT

The location of the Santa Cruz Copper Project - situated between Phoenix and Tucson, Arizona - offers excellent access to a skilled workforce and existing infrastructure, including rail, interstate highways, electric transmission lines and natural gas.

2024 SASB METRIC

Landfilled Waste

- Universal waste (absorbents/petroleum contained soils): 90.01 tons

Recycled Waste

- Spent aerosol cans (universal waste): 0.37 tons
- Spent oil: 2.5 tons
- Diesel: 1.1 tons

Note: Above wastes quantities are related to exploration drilling activities.

EM-MM-150A.4
Zero non-mineral waste generated

EM-MM-150A.5

Not applicable. The proposed heap leach design will eliminate tailings.

EM-MM-150A.6
Zero waste rock generated

EM-MM-150A.7
Zero hazardous waste generated

EM-MM-150A.8
Zero hazardous waste recycled

EM-MM-150A.9
Zero significant incidents associated with hazardous materials and waste management

EM-MM-540A.1
Not applicable. The proposed heap leach design will eliminate tailings.

FOR MORE INFORMATION

Form 10-K, Item 1A. Risk Factors. EH&S regulatory risks (pg. 66)

S-K 1300 Preliminary Feasibility Study & Technical Report Summary

- 14.6.4 Spent Ore Management
- Table 14-4: Proposed Reagent & Process Consumables
- 13.11.3 Backfill
- 17.1.10 Material Characterization & Water Quality Predictions
- 17.1.10.1 Mine Material Types
- 17.1.11 Mine Material Environmental Behavior
- 17.2 Permits & Authorizations
- Table 17-1: Permits Table
- 17.3 Waste & Spent Ore, Site Monitoring, and Water Management
- 22.15 Environmental, Permitting & Social Considerations

AIR QUALITY

The project operates under a dust control permit that must be renewed annually. Compliance is managed through daily inspections, operational restrictions and visual monitoring. Additionally, the project obtained a Class II Air Quality Permit to manage emissions during construction activities and full life-of-mine operations. We anticipate classification as a synthetic minor source. The primary air pollutants and their sources are expected to include:

- **Particulate Matter (PM) and dust:** Generated by mining activities, material handling, transportation, stockpiling and windblown dust. Since the project is located within a PM nonattainment area, we will implement targeted dust control measures such as water sprays and enclosures, chemical suppressants, dust collection and operational restrictions such as reduced vehicle speed and work stoppages during high wind conditions.
- **Combustion Emissions:** These include carbon monoxide (CO), nitrogen oxides (NO_x), sulfur oxides (SO_x), and volatile organic compounds (VOCs), primarily emitted by generators, mobile equipment and other fuel-burning machinery. Emissions will be managed through control devices, ongoing equipment maintenance, staff training and continuous monitoring to ensure compliance with air quality regulations.

2024 SASB METRIC

EM-MM-120A.1

Mining operations have yet to commence; therefore, emissions (CO, NO_x, SO_x, VOC) are not recorded. The Santa Cruz Copper Project is located in a nonattainment area for PM10. We currently have a permit for dust control during exploration activities, but emission measurements are not required. Also, not all SASB-listed air pollutants such as lead and mercury will be reported since they are not applicable to our operations.

There were no air quality-related violations in 2024.

FOR MORE INFORMATION

Form 10-K

- Table. Current permits for the Santa Cruz Copper Project (pg. 15)
- Dust Control and Air Quality Permits (pg. 17)
- Item 1A. Risk Factors. EH&S regulatory risks (pg. 66)

S-K 1300 Preliminary Feasibility Study & Technical Report Summary

- 1.16 Environmental, Closure & Permitting
- 17.1.6 Air Quality
- 17.2 Permits & Authorizations
- Table 17-1: Permits Table
- 22.15 Environmental, Permitting & Social Considerations

HEALTH AND SAFETY

Ivanhoe Electric is committed to promoting the health, safety and well-being of our workforce and contractors, keeping our workplaces free from unnecessary hazards, and effectively managing health and safety risks. Our health and safety management system includes the following elements:

- Health, Safety and Environmental Policy
- Strategic planning
- Compliance tools and training
- Tracking of metrics

We foster a zero-harm culture, complying with all regulatory standards and industry best practices to reduce, and whenever possible, to avoid workplace incidents and occupational hazards. Our Board's Health, Safety and Environmental Committee oversees our policy, reviews the implementation of the management system and quarterly performance, and considers health and safety metrics in awarding discretionary bonuses to employees.

Our Health and Safety management strategy focuses on risk management, employee engagement, leadership accountability, and promoting a health and proactive safety mindset. We emphasize continuous training, transparent incident reporting and technological innovations to drive ongoing injury or incident hazard reduction.

We invest in management systems and processes that set standards and expectations for performance. We implement a comprehensive Health and Safety Management System (HSMS) broadly aligned with ISO 45001. This system includes risk management, hazard identification, communication and mitigation, competency-based training, emergency response planning, and continuous monitoring to improve workplace health and safety performance.

We utilize a digital reporting platform to enable near real-time analysis of performance trends and leading indicators. Using this system-based approach facilitates prompt responses to potential workplace hazards. This system also includes standard operating procedures, document control, incident management, hazard communication and workforce training.

SANTA CRUZ COPPER PROJECT PERFORMANCE METRICS

We reinforce our commitment during monthly company-wide meetings where we engage employees to discuss health and safety incidents, mitigation actions, and report health and safety metrics. Additionally, daily meetings are held to address diligence and attention to healthy and safe working environments, which are also summarized in weekly reports to Executive Management.

TRAINING

SAFETY TRAINING	2024
Total health and safety training	800 hours
Average employee training	20 hours / employee

"At Ivanhoe Electric, the development of our new underground copper mine in the United States presents a remarkable opportunity to build a strong health and safety culture from the ground up – one that is transparent, adaptable and deeply rooted in care for people.

The systems we design and implement at our Santa Cruz Copper Project will actively support a learning organization – one where honest dialogue, shared ownership and continual improvement are not just encouraged but expected, and where empowerment, trust and accountability are more than values; they are how we work."

LARA SIMS
Vice President, Health & Safety

At the Santa Cruz Copper Project, we undertake a robust, diligent process to thoroughly assess specific risks and implement appropriate measures to:

- **Protect the health and safety of our employees, contractors, partners and communities**
- **Contribute to successful, responsible operations**
- **Conduct all business activities with respect and integrity**

We communicate the health and safety priorities for observing events and near misses to aid in minimizing more significant incidents. All employees are empowered and expected to report on all health and safety concerns immediately, as well as to stop any work conditions or behavior that could cause harm, damage or disruption.

ABSOLUTE METRICS

SEVERITY	2024 # OF INCIDENTS
Fatalities	0
Lost time / days away	0
Recordables	1
First aid cases	5
Near misses, hazards and “Take 5”	480

INTENSITY-BASED HEALTH AND SAFETY METRICS

HEALTH AND SAFETY METRIC	2024	INDUSTRY AVERAGE
Total Recordable Incident Rate (TRIR)	0.71	2.5
Lost Time Incident Rate (LTIR) and Days Away, Restricted or Transferred (DART)	0.00	2.0

LTIR and DART – no lost time therefore no days away from work

Industry average was referenced from the 2023 Bureau of Labor Statistics, Incidence rates of nonfatal occupational injuries and illnesses Copper Mining category, NAICS 21223

2024 SASB METRIC

EM-MM-320A.1

We will comply with the U.S. Department of Labor’s Mine Safety and Health Administration (MSHA) once underground activities commence. Until then, our safety program and metrics are aligned with the Occupational Safety and Health Administration (OSHA).

FOR MORE INFORMATION

Ivanhoe Electric Health, Safety & Environmental Policy

SAFETY EMPOWERMENT

We empower our employees, at all levels, with the ability to stop work if they see a potential hazard or risk that could cause harm to themselves, their coworkers or the environment.

EMPLOYEE AND LABOR RELATIONS

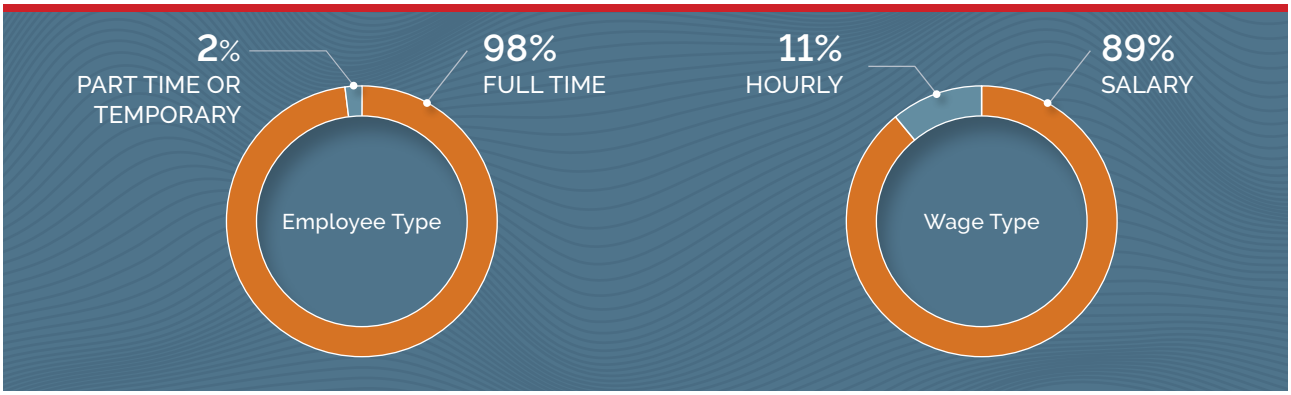
We believe our workforce is the foundation of our success, and we are committed to creating a workplace where everyone feels valued, respected and empowered to contribute their best work.

Our Board of Directors, specifically the Compensation and Nominating Committee, oversees policies, strategy and implementation programs that govern our approach to managing human capital, including those relating to recruitment, retention, development, pay equity, and diversity and inclusion. Alongside the many positive impacts on our workplace, these efforts cultivate mutual trust and open communication, helping ensure smooth operations and a resilient business environment.

When planning for mine construction activities, on-site personnel will mostly consist of contractor workforces overseen by Ivanhoe Electric. However, once mine operations commence, we will require additional financial, administrative, geological, engineering, maintenance and mining personnel. The project is estimated to have approximately 432 Ivanhoe Electric employees and 107 mine contract staff. When forecasting our labor pool, we believe the cities surrounding the Casa Grande, Arizona area will supply sufficient skilled labor. Recruiting a diverse and experienced workforce will be a priority in the near future.

EMPLOYMENT DATA (all charts in this section refer to data as of December 31, 2024)

Several hundred people are employed on a full-time basis by Ivanhoe Electric and its subsidiaries. Specifically, the Santa Cruz Copper Project has 45 employees with the following demographics profile:



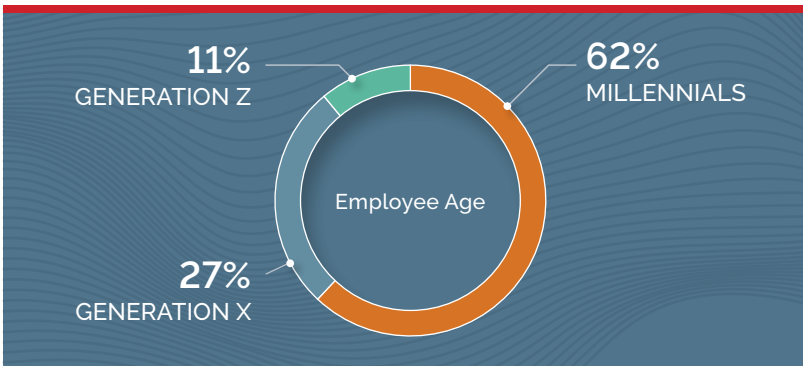
EMPLOYEE TYPE	EMPLOYEES
Full time	44 (98%)
Part time (or Temporary)	1 (2%)

WAGE TYPE*	EMPLOYEES
Hourly	11%
Salary	89%

* The Santa Cruz Copper Project workforce is expected to exceed Casa Grande / Phoenix-Mesa-Chandler Metropolitan Statistical Area average local labor rates by 49% and will be significant to our operating cost profile (local minimum wage is $14.81 per hour and our proposed starting wage for a technical position is $22.00 per hour).

AGE, GENDER AND ETHNICITY DIVERSITY

We believe a diverse workforce is essential to fostering innovation, creativity and growth. Our leadership team is committed to fostering a culture of inclusion and ensuring that diversity is integrated into our business practices.

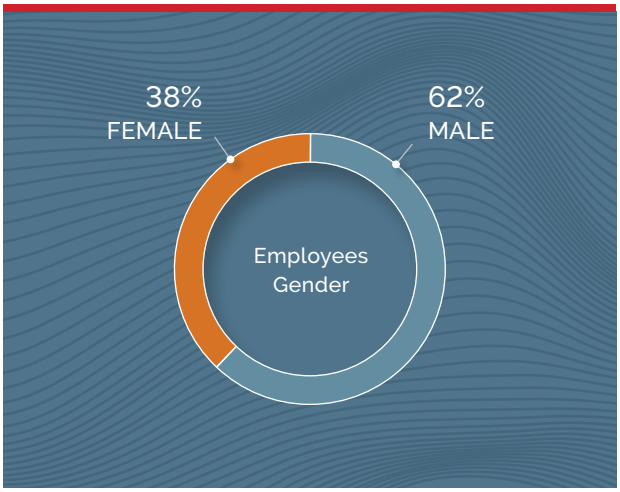


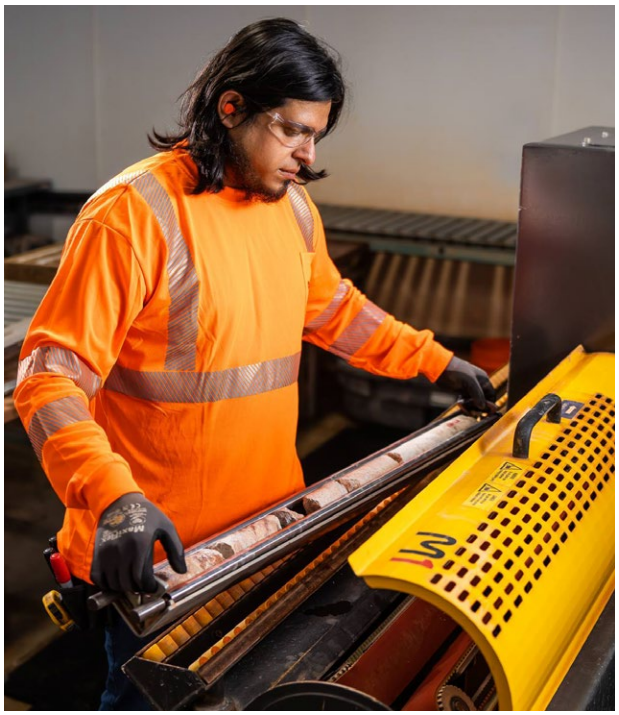
GENERATIONAL BREAKDOWN

	BIRTH YEAR	% OF EMPLOYEES	NEW HIRES
Generation Z	1996 – 2010	11	1
Millennials	1980 – 1995	62	7
Generation X	1965 – 1979	27	1
Baby Boomers	1964 and earlier	0	0

GENDER

	% FEMALE	% MALE
Employees	38	62
Median Age	39 years	38 years
Executives	33	67
Senior Managers	33	67
Managers/ Supervisors	50	50
Workers	30	70
Board of Directors	33	67





ETHNICITY

	% OF EMPLOYEES
American Indian/Alaskan Native	2
Asian	7
Black/African American	4
Hawaiian/Pacific Islander	2
Hispanic/Latino	22
White	56
Multiple races	2
Not specified/answered	4

DEVELOPMENT AND PERFORMANCE MANAGEMENT

We cultivate and empower talent through career planning and development, and performance management. We conduct various training programs applicable to employee responsibilities through a combination of online, in-house training and conferences, often leading to professional certifications. Another important aspect of development is employee feedback. We set a goal to have all performance reviews, and adjustments to compensation where warranted, finalized within the first quarter each year. This process provides an opportunity for employees to engage in productive discussion with their supervisor to gain performance feedback and guidance, voice their contributions to Company goals, and set future personal and career development goals.

DIALOGUES ON DEVELOPMENT

In 2024, 100% of our full time employees received a performance review, with the opportunity to reflect, give feedback and set goals.

EMPLOYEE BENEFITS

We recognize the importance of offering benefit programs that provide security and well-being for our employees and their families. Although eligibility and participation may vary based on full time versus part time employment status, examples of the benefits and programs we offer for a positive employee experience include, but are not limited to:

- Excellent medical, dental and vision benefits
- Disability and life insurance options
- Paid training and employee development programs
- Career growth and development
- Paid time off (statutory holidays, vacation and sick time)
- Parental leave
- Wellness program
- Health Savings Accounts
- Employee Assistance Program
- Leading retirement plans with company matching

"At Ivanhoe Electric, our success is a direct reflection of the caliber of people who choose to build their careers here.

Our employees are not only highly skilled in their fields, but also driven by a shared sense of purpose: to responsibly discover and develop the minerals that support the needs of the world around us.

Across every discipline – from engineering and geology, to sustainability and safety – our people bring their perspective and expertise, ideas and unwavering commitment to excellence, and their dedication helps us position Ivanhoe Electric at the forefront of modern mining."

STEPHANI TERHORST
Vice President, Human Resources

2024 SASB METRIC

EM-MM-310A.1

0%. We consider our relationship with our employees to be strong. We respect the labor rights of employees in accordance with all applicable laws, however, none of our employees are represented by a labor union or party to a collective bargaining agreement.

EM-MM-310A

Zero (0). We did not experience any strikes or lockouts in 2024.

FOR MORE INFORMATION:

Form 10-K Annual Report, Human Capital (pg. 60)

Definitive Proxy Statement (pg. 60)

S-K 1300 Preliminary Feasibility Study & Technical Report Summary

- 13.11.7 Personnel

MARKET-COMPETITIVE COMPENSATION AND BENEFIT PROGRAMS

One of the ways Ivanhoe Electric invests in hiring, developing and retaining top talent is through offering a competitive 'total compensation' package, going well beyond traditional wages. By providing a full range of benefit plans, assistance programs and paid time off, we can help ensure the well being of our people and their families across multiple dimensions.

STAKEHOLDER ENGAGEMENT

At Ivanhoe Electric, we understand the importance of building and maintaining strong relationships with all our stakeholders, including employees and investors, but especially with the people of the communities where we live and work. Our business success depends on meaningful engagement with our stakeholders and connecting through mutual priorities, values and benefits.

In 2024, we implemented a number of communication platforms to improve engagement and to improve our ability to hear and address stakeholder concerns. As our business develops and the Santa Cruz Copper Project progresses, the makeup of our stakeholder groups will evolve. Currently, our stakeholders include our employees, investors, suppliers, regulatory agencies and the communities that support our operations.

CONNECTING WITH INVESTORS AND ANALYSTS

In 2024, we established a cloud-based Investor Relations platform to deepen our connections across the capital markets community and improve our ability to track our investor interactions. The new platform will improve our engagement and the effectiveness of our communications. In addition, we will continue to interact with our investors through:

- Conference calls, investor conferences and site visits
- News releases and periodic, quarterly and annual U.S. SEC filings
- Our Annual Report
- Our Annual Meeting of Shareholders and Proxy Statement
- Presentations at financial and industry conferences
- Investor Day presentations
- Direct stakeholder meetings with Investor Relations
- Responses to queries from investor-facing organizations, especially those which assess sustainability practices and rate ESG performance, such as Institutional Shareholder Services – ESG and Glass Lewis

ENSURING COMPLIANCE WITH REGULATORS AND AUTHORITIES

We communicate with local and state agencies to ensure that our activities and plans are, and will be, in compliance with all applicable laws and regulations.

As we pursue the permits required for construction and mining operations, we are actively engaging with a variety of agencies, including:

- Arizona State Mine Inspector (ASMI)
- Arizona Department of Water Resources (ADWR)
- Arizona Department of Environmental Quality (ADEQ)
- Arizona Department of Transportation (ADOT)
- Pinal County Air Quality Control District (PCAQCD)
- Pinal County
- City of Casa Grande
- Electric and water utility authorities

"By actively listening to and collaborating with local governments, civic groups, businesses and residents, we ensure our projects align with the needs and aspirations of our communities. This approach keeps everyone informed and engaged, fostering a sense of shared purpose and progress."

KAMI BALLARD
Director – Permitting, Environmental, and Social Responsibility

MAINTAINING EMPLOYEE ENGAGEMENT

To keep our employees up-to-date on Ivanhoe Electric's activities and plans, we use a variety of media, meetings and ongoing programs. Our primary tool is the intranet SharePoint site, where virtual meetings inform our people of current business plans, financial updates, organizational and policy changes, news on employee recognition campaigns, as well as workforce safety and wellness programs. In addition to the intranet, we maintain connections with our employees through:

- Weekly virtual discussions on Company progress
- Email messages and informal question-and-answer sessions with leaders
- Training and development programs
- Monthly health and safety performance updates
- Wellness programs
- Whistleblower Hotline for reporting employee concerns
- Annual performance and development feedback

COMMUNICATING WITH SUPPLIERS

As the Santa Cruz Copper Project progresses towards construction and then mining, we will develop a supply chain of contractors and raw materials vendors. At the project's current stage, the vendor list is primarily composed of professional engineering design services, contract drilling providers, laboratory and analysis services, and suppliers of consumables to the operation.

These vendors are integral to our operations, and we typically engage with them via our project management, through discussions on task updates, jobsite safety meetings, and project management meetings. We engage with our vendors through in-person meetings, and through online virtual-meeting tools.

PREPARING FOR CUSTOMER INTERACTIONS

As we have no active mining operations, we have no customers for our future production. We are, nonetheless, in the planning and preparation phase, and we actively participate in industry-related conferences to establish a profile, and to keep us informed on current market drivers and activity.

ENGAGING WITH LOCAL COMMUNITIES

As a member of the resource extraction industry, we can only do business when we earn and maintain our social license to operate. This requires active engagement to secure the acceptance of stakeholders in the communities surrounding our projects. Our Code of Business Conduct and Ethics establishes our commitment to supporting, respecting and appreciating the diverse customs and traditions of the local communities in which we live and work.

The Santa Cruz Copper Project is located near Casa Grande, Arizona, a former agricultural area that is surrounded by farming communities and neighboring tribal communities with ancestral connections to the land. The project's local and regional stakeholders include:

- Neighboring farmers, manufacturers, residents and businesses
- Community leaders and stakeholders
- The Four Southern Tribes and the Hopi and Zuni Tribes
- Local irrigation and power districts
- Groundwater user groups
- Local, state and regional representatives

Although private lands are not subject to tribal consultation, we have voluntarily chosen to engage with the surrounding tribal communities to secure free, prior, informed and transparent engagement with our project and our plans for the future.

Our engagement with the tribal communities began early in 2022, and will continue throughout the life of the project. We have met with numerous stakeholders to inform and educate them on the project, and to discuss its many potential economic and community benefits.

In 2024, we continued to improve our community interactions. We launched an engagement management system to help us measure and improve the effectiveness of our stakeholder relations. One of our platforms for community engagement is the Community Working Group, a group of local and regional residents and stakeholders that provides a forum for stakeholder involvement. The group serves as a channel for engaging with the project team, raising community concerns, and becoming informed on the project's issues, challenges and opportunities.

2024 SASB METRIC

EM-MM-210B.2

We did not experience any community-related technical delays or concerns regarding our planned mining project.

EM-MM-210A.1

The Santa Cruz Copper Project is not located within a conflict area as defined by the Uppsala Conflict Data Program (UCDP).

EM-MM-210A.2

Local tribal communities surround the Project site but are beyond the threshold of 5 kilometers (3 miles).

FOR MORE INFORMATION

Website: IE | Our Communities

Code of Business Conduct & Ethics

Form 10-K, Item 1A. Risk Factors, Communities and Stakeholder, Pg.70

Uppsala Conflict Data Program

Stakeholder Engagement plan (Available Upon Request)

S-K 1300 Preliminary Feasibility Study & Technical Report Summary

- 1.16 Environmental, Closure & Permitting
- 17.1.5 Cultural Heritage
- 17.7 Local Individuals & Groups
- 22.15 Environmental, Permitting & Social Considerations
- 23.2 Permitting
- 25.6 Stakeholder Accommodations

Ivanhoe Electric Announces Multi-Year Sponsorship with the Native American Mining and Energy Sovereignty Initiative (NAMES) through the Colorado School of Mines

In 2024, we announced our multi-year commitment of a $150,000 contribution to the Native American Mining and Energy Sovereignty Initiative (NAMES), part of the Payne Institute for Public Policy at the Colorado School of Mines, one of the world's foremost universities of mineral and energy engineering. NAMES serves as a beacon of support for Tribal communities, facilitating dialogue between stakeholders and driving forward-thinking discussions on mineral and energy development.

Our sponsorship reflects Ivanhoe Electric's commitment to promoting social and economic progress for Tribal communities across the western United States.

The Native American Mining and Energy Sovereignty Initiative (NAMES) carries a vital mission of empowering Tribal communities by encouraging and financially supporting educational and research opportunities in the fields of energy and natural resources, including the mining sector.

Through our $150,000 multi-year sponsorship, Ivanhoe Electric joins NAMES in their efforts to:

- **Support Native American students at the Colorado School of Mines including their admission, retention, development, and graduation at the undergraduate and graduate levels;**
- **Fund programs to support advanced research and development of Tribal energy and mineral-related initiatives;**
- **Develop Native American-focused STEM activities and programs.**

Photo courtesy of Colorado School of Mines

INNOVATION AND TECHNOLOGY

Our key assets include our flagship Santa Cruz Copper Project with a lens towards sustainable design, disruptive exploration technologies and energy storage – which, when combined, align our future with the transition to a low carbon economy.

MODERN AND SUSTAINABLE MINE DESIGN - THE SANTA CRUZ COPPER PROJECT

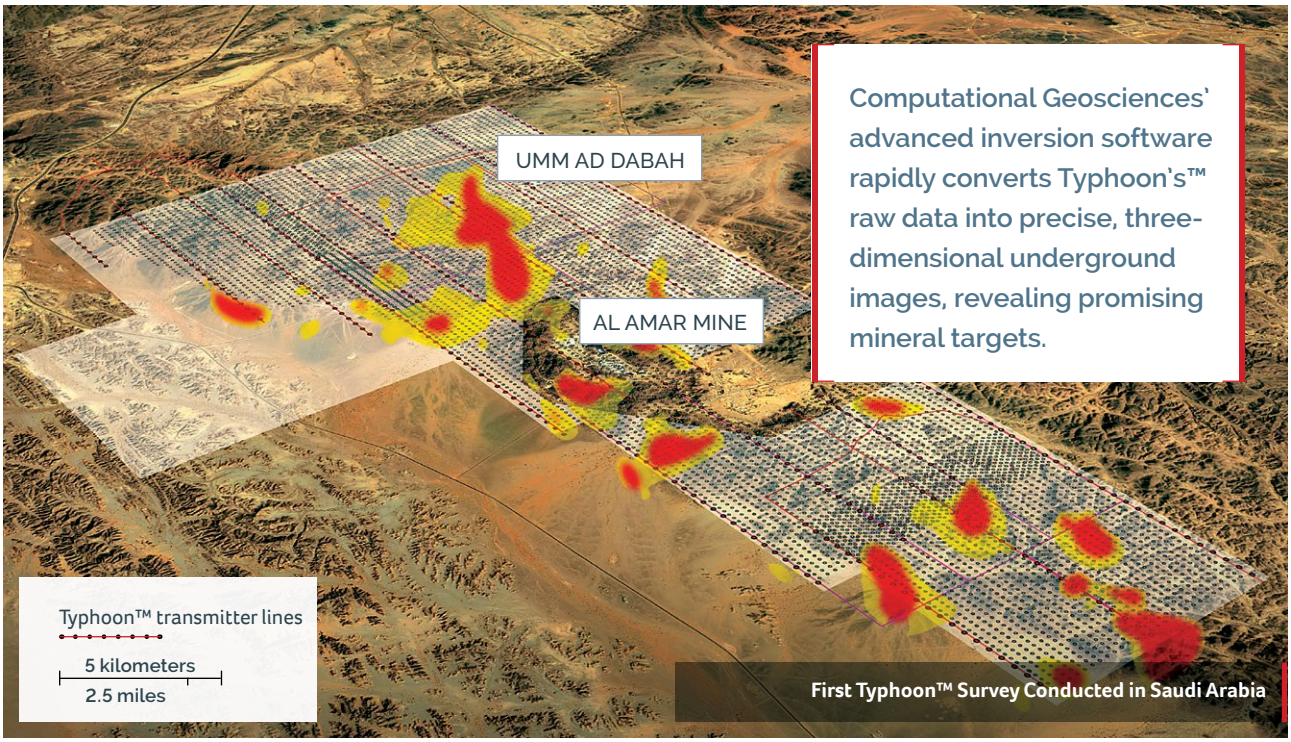
Our 2025 Preliminary Feasibility Study (PFS) discloses innovative and sustainable design elements to construct and operate a modern copper mine with a focus on efficiency, renewable energy, material and waste management, battery energy storage and a reduced carbon footprint. Sustainable mine design considerations outlined in the PFS include:

- Renewable energy supplies up to 70% of power demand, and is integrated with battery storage for on-site electric equipment and vehicles
- Optimized a conventional chloride-assisted on/off-heap leach process to enable high copper recoveries with low sulfuric acid consumption
- Repurposing up to 50% of spent ore to be used as backfill underground
- Comprehensive strategy for transitioning to a battery electric mining fleet for energy consumption, carbon emissions and ventilation benefits
- The transportation of ore from underground to the surface using dual ramps and the Railveyor system, and will have limited underground trucking
- Dewatering strategies include various grouting techniques such as cement, hydrostatic lining and silica gel injection
- Process design that eliminates tailings and minimizes long-term regulatory closure and decommissioning efforts

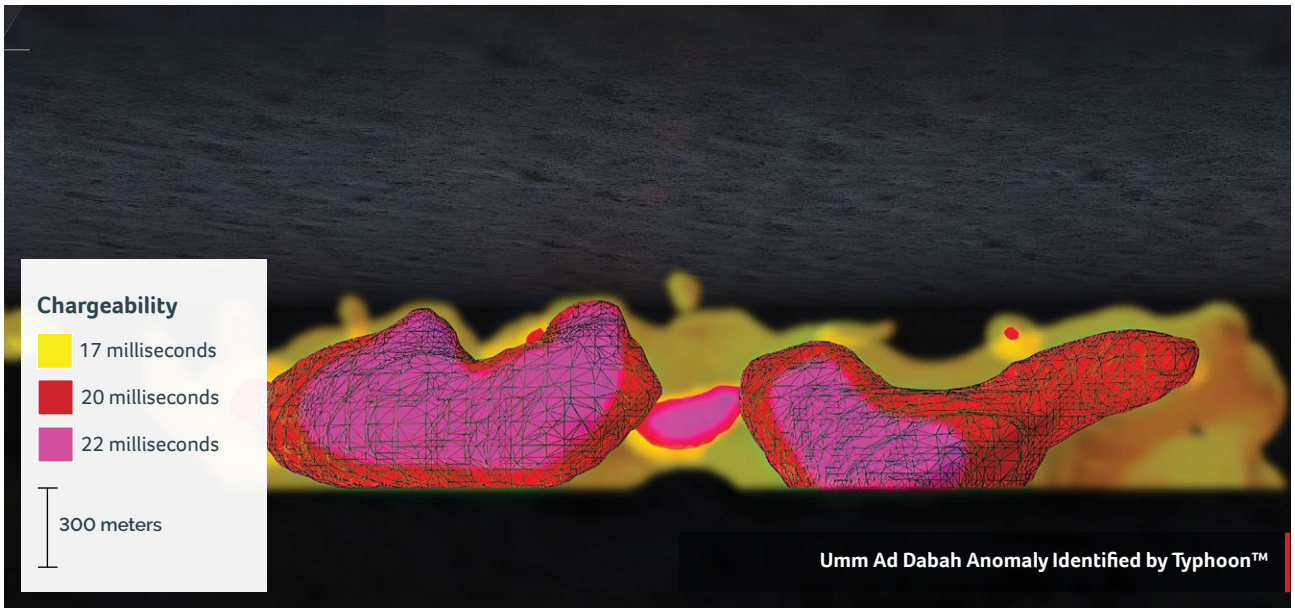
DISRUPTIVE EXPLORATION TECHNOLOGIES

Ivanhoe Electric's experienced professionals continue to utilize the disruptive power of our proprietary exploration technology platform to guide our exploration efforts at our own projects and in our significant exploration partnerships with Maaden and BHP.

- Typhoon™ geophysical surveying system delivers industry-leading power to see deeper with higher resolution
- Computational Geosciences Inc.'s inversion software utilizes advanced, machine learning-based algorithms to convert Typhoon™ data into high resolution 3-D models



First Typhoon™ Survey Conducted in Saudi Arabia



Umm Ad Dabah Anomaly Identified by Typhoon™

The innovative tandem of physical and software technology allows us to accelerate the exploration process cost effectively and efficiently with some of the following features:

- Transmits and receives electrical signals with greater areas of surface coverage (up to 20 kilometers, which is generally 2x wider) and at greater depths (up to 1.5 kilometers, which is generally 3x deeper) than existing surveying systems
- Enhanced electrical attributes for superior and stable signal processing that ensure clear results
- Machine-learning algorithms to reduce noise and expedite data processing time to deliver within days compared to weeks of traditional interpretation models
- Software technology that rapidly converts large volumes of raw data into 3-D images
- Significantly enhances exploration strategic decisions with more selective drilling locations

VRB ENERGY'S VANADIUM REDOX FLOW BATTERY TECHNOLOGY

Our subsidiary, VRB Energy USA, focuses on the development and manufacture of advanced grid-scale energy storage systems utilizing vanadium redox flow batteries for integration with renewable power sources. The proprietary electrolyte formula in the vanadium batteries contains no heavy metals and the water-based electrolyte is non-flammable and 100% reusable. Vanadium batteries can be charged and discharged over an almost unlimited number of cycles without wearing out and causing deterioration of the vanadium electrolyte, providing the lowest lifecycle cost of energy of any type of grid scale energy storage.

RESEARCH AND DEVELOPMENT

We leverage a suite of proprietary technologies and intangible assets to enhance our mineral exploration, strategic drilling, mine development and energy storage capabilities. Additionally, our seasoned leadership and strong stakeholder relationships position us to effectively navigate the evolving landscape of electric metals exploration and contribute meaningfully to the global energy transition.

RESEARCH AND DEVELOPMENT

2024
$2.9 million

R&D expense mostly executed within our Typhoon™ exploration technology

FOR MORE INFORMATION

Ivanhoe Electric website: Technologies

Ivanhoe Electric website: Vanadium Redox Flow Batteries

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- 1.14 Infrastructure
- 15.1.4.1 Renewable Power
- 13.11.2 Underground Material Handling System
- 13.7.2 Activated Colloidal Silica Injection
- Figure 7-11: Comparison of Residual Passive Inflows

FORWARD LOOKING STATEMENTS

Certain statements in this report constitute “forward-looking statements” or “forward-looking information” within the meaning of applicable U.S. and Canadian securities laws. Such statements and information involve known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of Ivanhoe Electric, its projects, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements or information. Such statements can be identified by the use of words such as “may”, “would”, “could”, “will”, “intend”, “expect”, “believe”, “plan”, “anticipate”, “estimate”, “scheduled”, “forecast”, “predict”, “target”, “project” and other similar terminology, or state that certain actions, events or results “may”, “could”, “would”, “might” or “will” be taken, occur or be achieved. These statements reflect Ivanhoe Electric’s current expectations regarding future events, performance and results and speak only as of the date of this report-.

Such statements in this report include, without limitation: the projections, assumptions and estimates contained in the Preliminary Feasibility Study related to the Santa Cruz Copper Project, including but not limited to those related to Project economics, mine design and mining techniques and processes, copper production, grade and recoveries, development, throughput, life of mine, illustrative timelines related to mine construction, permitting and copper production, potential financing, jobs during construction and operations, mine sequencing, mining technology, equipment, staffing and infrastructure, emissions, use of land, water management and estimates regarding groundwater flow, power and other resources, estimates of mineral resources and reserves, potential for expansion of mineral resources, use of renewable energy, use of energy storage technologies, the ability to produce pure copper cathode, the ability to secure necessary permits, continued community engagement throughout the mine life, and planned or potential developments in the businesses of Ivanhoe Electric.

Forward-looking statements are based on management’s beliefs and assumptions and on information currently available to management. Such statements are subject to significant risks and uncertainties, and actual results may differ materially from those expressed or implied in the forward-looking statements due to various factors, including changes in the prices of copper or other metals Ivanhoe Electric is exploring for; the results of exploration and drilling activities and/or the failure of exploration programs or studies to deliver anticipated results or results that would justify and support continued exploration, studies, development or operations; the final assessment of exploration results and information that is preliminary; the significant risk and hazards associated with any future mining operations, extensive regulation by the U.S. government as well as local governments; changes in laws, rules or regulations, or their enforcement by applicable authorities; the failure of parties to contracts with Ivanhoe Electric to perform as agreed; and the impact of political, economic and other uncertainties associated with operating in foreign countries, and the impact of the COVID-19 pandemic and the global economy. These factors should not be construed as exhaustive and should be read in conjunction with the other cautionary statements and risk factors described in Ivanhoe Electric’s Annual Report on Form 10-K filed and other disclosures with the U.S. Securities and Exchange Commission.

No assurance can be given that such future results will be achieved. Forward-looking statements speak only as of the date of this report. Ivanhoe Electric cautions you not to place undue reliance on these forward-looking statements. Subject to applicable securities laws, Ivanhoe Electric does not assume any obligation to update or revise the forward-looking statements contained herein to reflect events or circumstances occurring after the date of this report, and Ivanhoe Electric expressly disclaims any requirement to do so.

CORPORATE INFORMATION

CORPORATE HEADQUARTERS

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