



Overcoming
challenges to
strengthen

OUR
vision

2022 ANNUAL REPORT



Throughout the economic cycles, we have overcome major challenges. We have capitalized on the lessons learned and will continue to take the necessary steps to substantially improve our performance.

We continue to evolve towards a new culture. We align our goals and actions with the strategic pillars to consolidate our vision.



Grupo BAL is a cluster of state-of-the-art companies that incorporates a diversified group of businesses: Profuturo (pension funds), Grupo Nacional Provincial (insurance), Peñoles (mining, metallurgical, and chemical industries), Fresnillo (mining), Grupo Palacio de Hierro (department stores), TANE (jewelry), Valmex Soluciones Financieras (financial services), Valores Mexicanos (brokerage house), Crédito Afianzador (bonds), Compañía Agropecuaria Internacional (agricultural businesses), Médica Móvil (pre-hospital care), Instituto Tecnológico Autónomo de México (education), PetroBal (exploration and hydrocarbons production), and Energía Eléctrica BAL (power generation). Each of them strives to reach the top quartile of its industry in terms of profitability and, as a whole, the conglomerate seeks to create superior value for its stakeholders, offering exceptional products and services to its customers, supporting the personal and professional development of its employees, thus contributing to the progress of Mexico.

Contents

In our Annual Report 2022 we address the actions implemented to overcome the major challenges we face.

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The following abbreviations will be used throughout this report:

CO₂ = carbon dioxide
g/t = grams per metric ton
GWh = gigawatt per hour
k = thousands
koz = thousand ounces
kt = thousand metric tons
kWh = kilowatts per hour
lb = pounds
ML = million liters
Mm³ = million cubic meters
Mt = million metric tons
MW = megawatt
MXN, Ps = Mexican peso
oz = ounce
t = metric tons
tCO₂e = metric tons of carbon dioxide equivalent
US\$ = US dollars
US¢ = US cents
US¢/lb = US cents per pound
US¢/lbe = US cents per pound equivalent
US\$ M = million dollars
US\$/oz = US dollars per ounce
US\$/t = US dollars per metric ton



Corporate Profile

Peñoles, founded in 1887, is a mining group with integrated operations for the smelting and refining of non-ferrous metals and the production of chemicals. Peñoles is the top global producer of refined silver; Latin America's leading producer of refined gold and lead, and one of the world's leading producers of refined zinc and sodium sulfate.

Peñoles' shares have traded on the Mexican Stock Exchange since 1968 under the ticker symbol PE&OLES.

Communities

To have communities committed to their own development and to the company, that prosper and are owners of their destiny, who appreciate and are proud of having Peñoles as a neighbor and partner.



Government

Establish cooperative, mutually beneficial and institutional relations by promoting open dialogue for the common good with legislators and representatives of local, state and federal governments.



Customers

To be a strategic partner that offers comprehensive solutions and inspires the trust needed to do business over the long term.



VISION
To be a company of excellence worldwide with extraordinary results, a leader in its sector with safe and sustainable operations, driven by its agility and capacity for transformation, in harmony with its environment and society.

MISSION
To generate value from non-renewable natural resources in a sustainable manner.

VALUES
Our actions are guided by the values of Confidence, Responsibility, Respect, Integrity and Loyalty.

Shareholders

To be the best investment option in the medium and long term, by guaranteeing cost competitiveness, growth, profitability, and ensuring business continuity.



Employees

To be the best place to work, a company they can feel proud of, which dignifies them by offering opportunities for development, respect and recognition in a safe and team environment.



Suppliers

To be a strategic partner, whose business relations are based on good commercial practices and ethical commitment, with whom suppliers can establish mutually beneficial, long-term relationships.



STAKEHOLDERS

Our purpose is to generate opportunities and well-being by providing essential resources in a sustainable manner.

Corporate structure^{*}

Industrias Peñoles, S.A.B. de C.V.

Fresnillo plc¹



- Minera Fresnillo (100%)
- Minera Penmont (100%)
- Minera Mexicana La Ciénega (100%)
- Minera Saucito (100%)
- Minera San Julián (100%)
- Minera Juanicipio (56%)
- Comercializadora de Metales Fresnillo (100%)
- Exploraciones Mineras Parreña (100%)

¹ Fresnillo plc is independently listed on the London Stock Exchange (LSE) and the Mexican Stock Exchange (BMV), and has its own board of directors, management structure and corporate governance bodies (more information at www.fresnilloplc.com).

Minas Peñoles



- Minera Roble (Velardeña) (100%)
- Cía. Minera Sabinas (100%)
- Minera Tizapa (51%)
- Minera Capela (100%)
- Cía. Minera La Parreña (Milpillás) (100%)
- Exploraciones Mineras Peñoles (100%)
- Minera Peñoles del Perú (100%)
- Minera Peñoles de Chile (100%)

Química Magna



- Metalúrgica Met-Mex Peñoles (100%)
- Química del Rey (100%)
- Fertirey (100%)

Peñoles Infrastructure



- Fuerza Eólica del Istmo (100%)
- Termoeléctrica Peñoles²
- Eólica de Coahuila²
- Eólica Mesa La Paz²

² Operated by third parties, who supply electricity under long-term contracts.



- Bal Holdings (100%)
- Línea Coahuila-Durango (50%)
- Servicios Administrativos Peñoles (100%)

* Includes the most important subsidiaries.

Operations

Peñoles is a proudly Mexican company with international presence, that has created development and opportunities in the regions where it has operated for more than thirteen decades.



135 years
generating development
and creating opportunities

Mining operations

Base metals

- 1 Velardeña
- 2 Sabinas
- 3 Tizapa
- 4 Capela
- 5 Milpillas
- 6 Naica*

Precious metals

- 7 Herradura
- 8 Ciénega
- 9 Fresnillo
- 10 Soledad-Dipolos*
- 11 Saucito
- 12 Noche Buena
- 13 San Julián
- 14 Juanicipio

* Operations in these units are suspended.

Metallurgical operations

- 15 Metalúrgica Met-Mex
- 16 Bermejillo
- 17 Aleazin

Infrastructure

- 18 Línea Coahuila-Durango
- 19 Termoeléctrica Peñoles
- 20 Termimar
- 21 Fuerza Eólica del Istmo
- 22 Eólica de Coahuila
- 23 Eólica Mesa La Paz

Chemical operations

- 24 Química del Rey
- 25 Fertirey
- 26 Industrias Magnelec

Offices

- 27 Exploration
- 28 Headquarters

Commercial offices

- 29 Bal Holdings
- 30 Wideco
- 31 Quirey do Brasil



Our strategy

Pillars and objectives



* To be developed with Baluarte Minero.



Highlights

US\$ **747.5** M
Investment in capital
expenditures.

Financial highlights

Financial indicators

Sales by product and market

Sales by division and production costs

Production and sales volume

Prices and uses of metals

Financial highlights

US\$ M	2022	2021	% Chge.	2020	2019	2018
Net sales ¹	5,523.4	5,971.8	-7.5	4,673.3	4,471.9	4,390.3
Gross profit	1,032.5	1,555.8	-33.6	1,249.0	870.8	1,289.1
Exploration expenses	217.1	170.9	27.1	141.0	208.1	227.0
EBITDA ^{2,3}	1,070.9	1,695.8	-36.9	1,456.7	968.7	1,286.2
Operating income ³	380.3	971.0	-60.8	742.6	275.0	707.1
Financial and exchange result, net	158.4	152.8	3.6	283.8	108.3	48.6
Controlling interest in net income (loss)	183.4	391.3	-53.1	-34.4	35.5	323.7
Capital expenditures	747.5	762.1	-1.9	561.3	913.3	1,035.3
Dividends paid to majority shareholders	-	49.9	n.a.	-	155.2	270.0
Cash and investments ⁴	1,468.9	1,817.1	-19.2	1,592.7	526.3	785.4
Property, plant and equipment, net	4,710.7	4,707.3	0.1	4,671.6	4,978.4	4,746.8
Total assets	10,042.5	9,793.3	2.5	9,250.4	8,186.7	7,784.7
Financial debt	2,908.0	2,936.8	-1.0	2,901.6	2,226.3	1,876.2
Deferred taxes, net	-570.2	-196.0	191.0	-47.7	74.2	333.5
Total liabilities	4,754.2	4,769.4	-0.3	4,719.9	3,698.8	3,244.8
Total shareholders' equity	5,288.3	5,023.9	5.3	4,530.5	4,487.9	4,539.8

Figures prepared in accordance with International Financial Reporting Standards (IFRS).

- 1 Includes hedging results.
- 2 Earnings before interests, taxes, depreciation and amortization.
- 3 Does not include other income (expense) nor impairment loss.
- 4 Includes cash, cash equivalents and short-term investments.

Financial highlights

Financial indicators

Sales by product and market

Sales by division and production costs

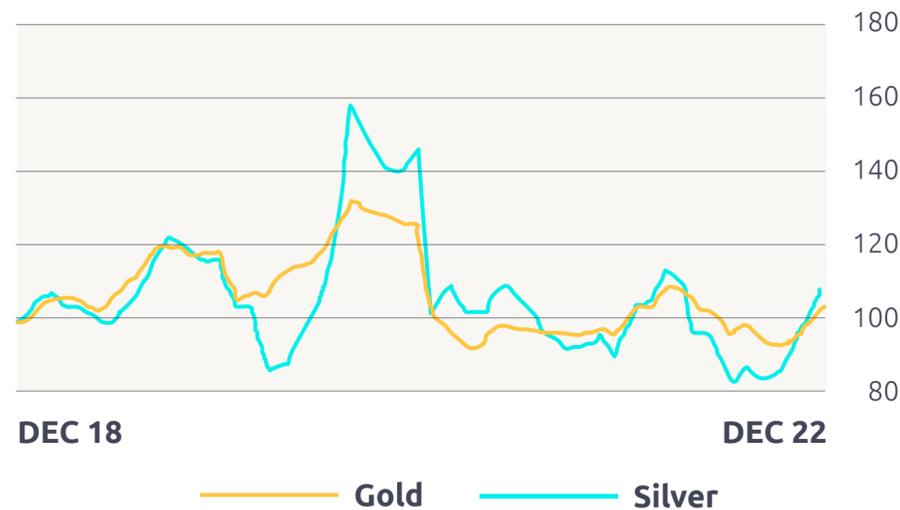
Production and sales volume

Prices and uses of metals

Financial indicators

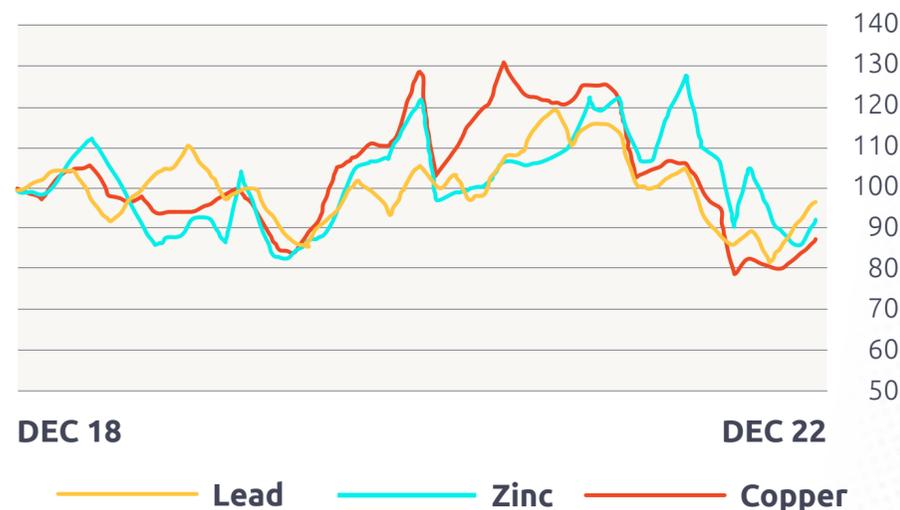
PRECIOUS METALS INDICES

(December 2018=100)

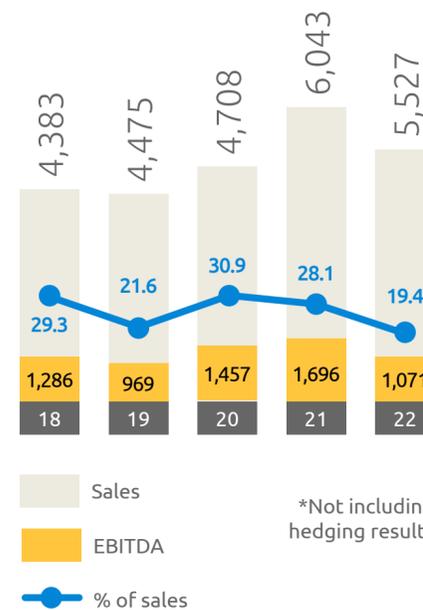


BASE METALS INDICES

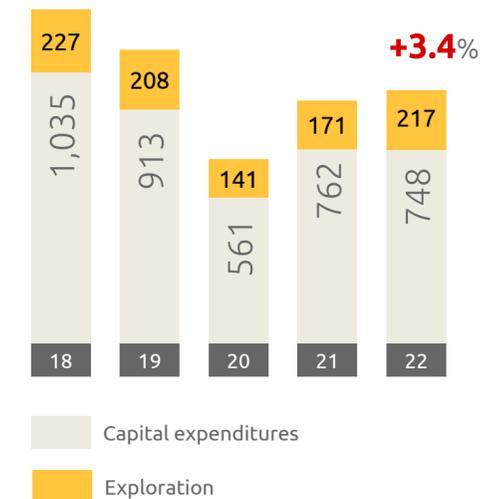
(December 2018=100)



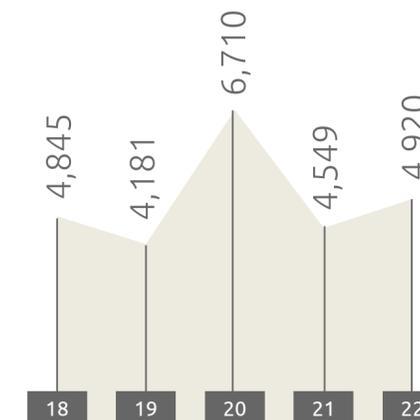
Sales* / EBITDA (US\$ M)



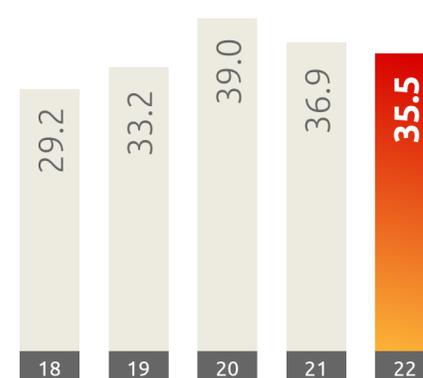
Investments (US\$ M)



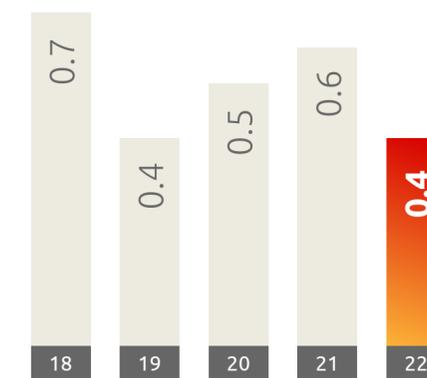
Market capitalization (US\$ M)



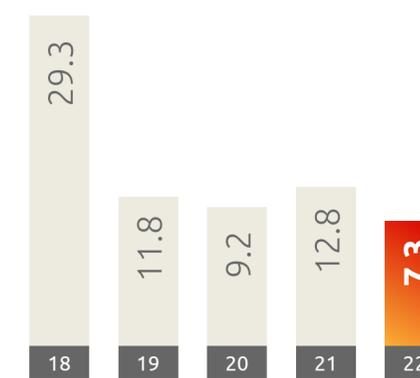
Debt / Capitalization (%)



EBITDA / Total debt (Times)



EBITDA / Interests (Times)



Financial highlights

Financial indicators

Sales by product and market

Sales by division and production costs

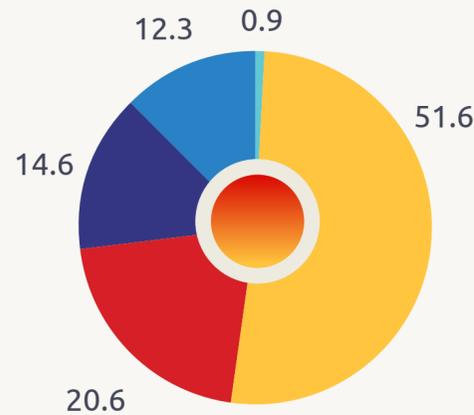
Production and sales volume

Prices and uses of metals

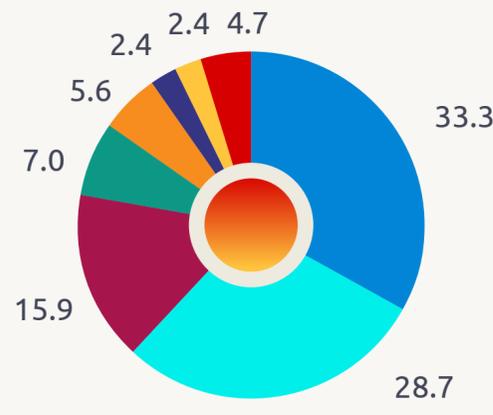
Sales by **product** and **market**

Net sales **US\$ 5,523.4 M**, of which **79.4%** were **exports**

Sales by market (%)



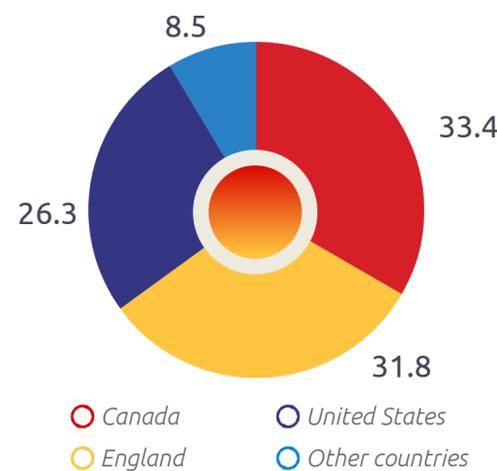
Sales by product (%)



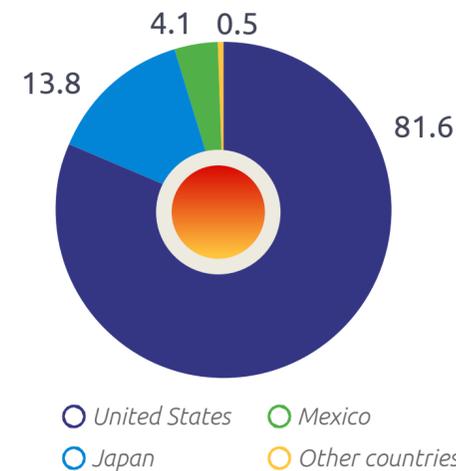
- North America
- Mexico
- Europe
- Asia
- Central America, South America and Oceania

- Gold
- Silver
- Zinc
- Concentrates
- Lead
- Copper matte
- Sodium sulfate
- Other products

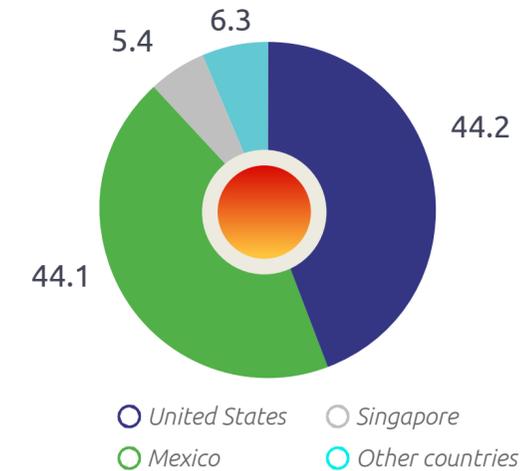
Gold (33.3%)



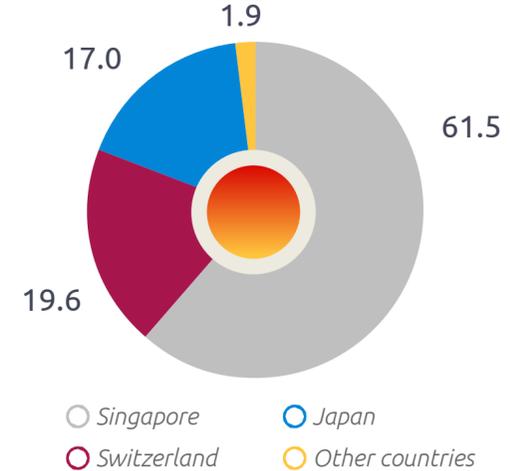
Silver (28.7%)



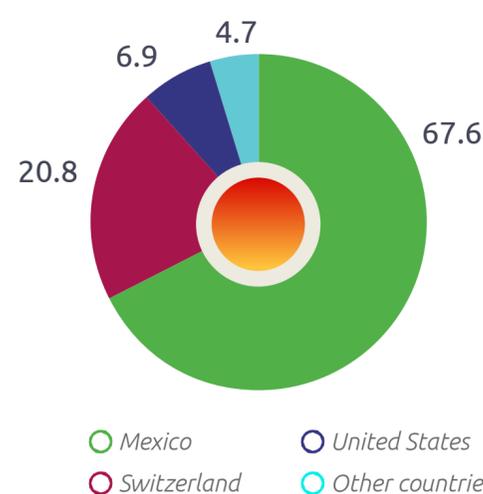
Zinc (15.9%)



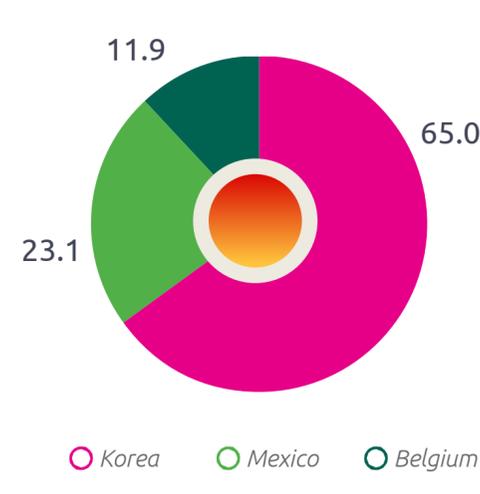
Concentrates (7.0%)



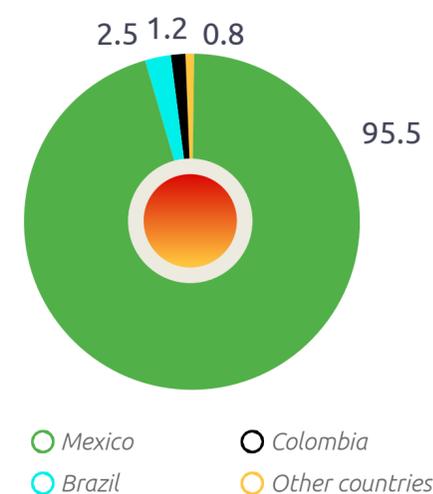
Lead (5.6%)



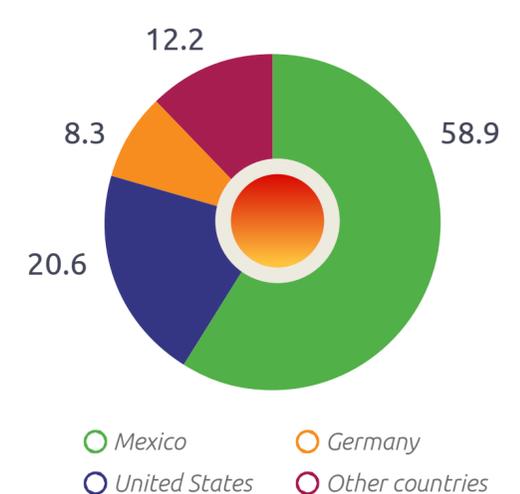
Copper matte (2.4%)



Sodium sulfate (2.4%)



Other products (4.7%)



Financial highlights

Financial indicators

Sales by product and market

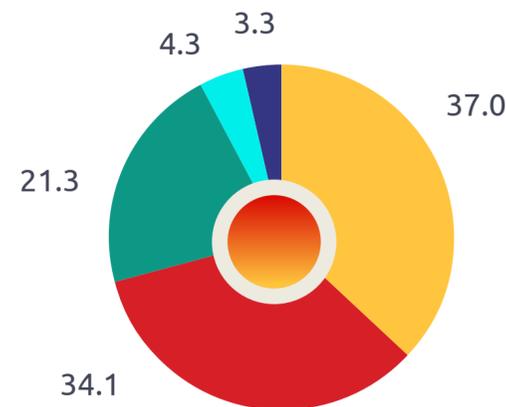
Sales by division and production costs

Production and sales volume

Prices and uses of metals

Sales by **division** and **production costs** (%)

Mining sales*
US\$ 3,534.8 M

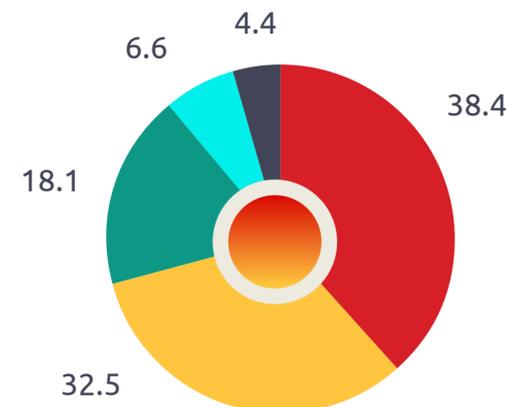


- Silver
- Gold
- Zinc
- Lead
- Copper

*Does not include hedging results, treatment charges, penalties nor service income.

Copper includes cathodes.

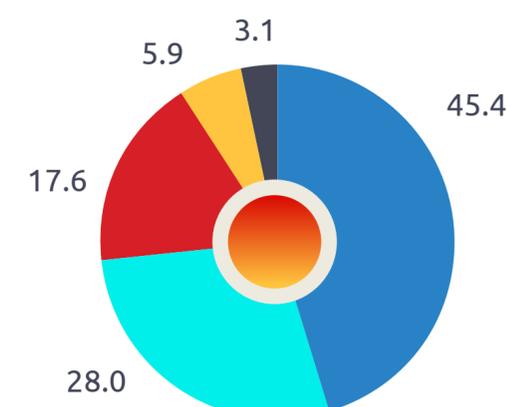
Metals sales**
US\$ 4,785.1 M



- Gold
- Silver
- Zinc
- Lead
- Others

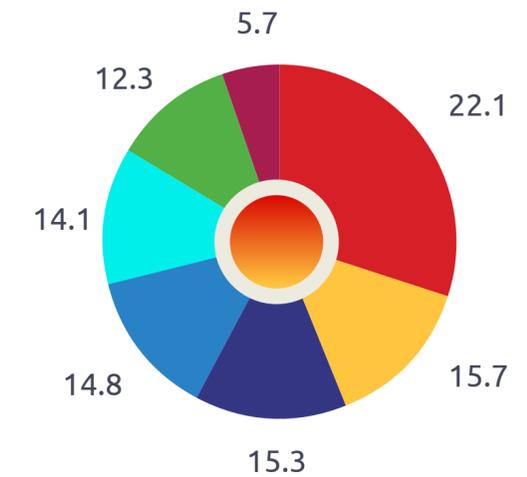
**Does not include Bal Holdings.

Chemicals sales
US\$ 279.4 M



- Sodium sulfate
- Magnesium oxide
- Ammonium sulfate
- Magnesium sulfate
- Others

Production costs
US\$ 3,060.8 M



- Depreciation and amortization
- Energy
- Contractors
- Operating materials
- Maintenance and repairs
- Labor
- Others

Financial highlights

Financial indicators

Sales by product and market

Sales by division and production costs

Production and sales volume

Prices and uses of metals

PRODUCTION (k):

PRODUCT	UNIT	2022	2021	% Chge.	2020	2019	2018
Metallic contents (Mining operations)							
Gold	oz	704.0	812.0	-13.3	824.1	910.9	963.4
Silver	oz	66,969.8	64,440.8	3.9	62,551.0	62,325.1	69,773.3
Lead	t	78.2	78.8	-0.7	86.4	84.3	83.3
Zinc	t	269.3	274.0	-1.7	288.1	292.3	289.6
Copper	t	9.9	11.3	-12.1	9.0	8.8	10.1
Copper cathodes	t	5.5	3.1	80.4	12.4	22.5	21.2
Refined metals and other materials							
Gold	oz	1,013.2	1,118.2	-9.4	957.2	1,112.6	1,128.1
Silver	oz	73,818.2	75,230.4	-1.9	70,634.4	72,384.7	64,881.7
Lead	t	109.1	120.4	-9.4	111.5	118.9	104.1
Zinc	t	237.1	264.4	-10.3	260.9	283.6	228.8
Copper	t	5.0	5.2	-4.3	5.0	4.6	3.8
Cadmium	t	-	-	n.a.	-	0.6	0.7
Bismuth	t	-	-	n.a.	-	0.3	0.3
Lead bullion	t	129.2	144.8	-10.7	134.5	140.6	123.7
Chemical products							
Sodium sulfate	t	764.1	761.9	0.3	745.9	774.2	780.6
Magnesium oxide ⁽¹⁾	t	94.4	82.5	14.4	57.2	87.9	84.8
Ammonium sulfate ⁽²⁾	t	167.8	178.9	-6.2	192.3	194.4	180.1
Magnesium sulfate	t	66.5	64.2	3.6	62.6	62.2	54.8

SALES (k):

PRODUCT	UNIT	2022	2021	% Chge.	2020	2019	2018
Gold	oz	1,015.9	1,126.2	-9.8	939.1	1,121.7	1,128.5
Silver	oz	71,876.0	73,249.3	-1.9	69,869.2	71,718.1	64,207.8
Lead	t	119.9	122.2	-1.9	122.0	119.7	106.6
Zinc	t	230.9	279.1	-17.3	256.3	258.0	229.7
Sodium sulfate	t	762.4	801.3	-4.9	763.4	770.4	816.0
Magnesium oxide ⁽¹⁾	t	72.0	76.0	-5.3	49.7	64.7	68.2
Ammonium sulfate ⁽²⁾	t	90.4	133.5	-32.3	207.1	101.7	142.8
Magnesium sulfate	t	66.1	64.4	2.7	63.1	62.4	53.4
Lead concentrates	t	60.5	61.2	-1.3	37.0	29.1	42.2
Zinc concentrates	t	57.5	82.2	-30.0	122.0	217.0	168.2
Copper concentrates	t	49.5	55.7	-11.2	42.5	36.8	40.2

(1) Includes refractory, caustic, electrical, electrofused and hydroxide grades.

(2) Does not include subcontracted granular sulfate.

Production and sales volume

Financial highlights

Financial indicators

Sales by product and market

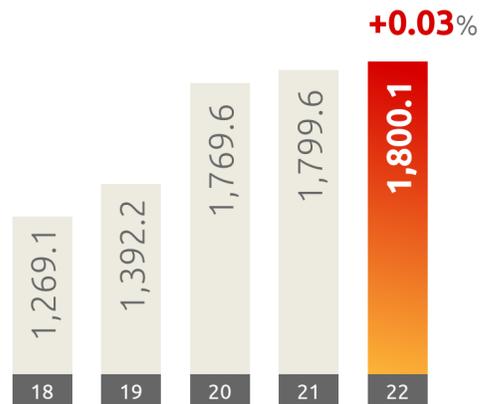
Sales by division and production costs

Production and sales volume

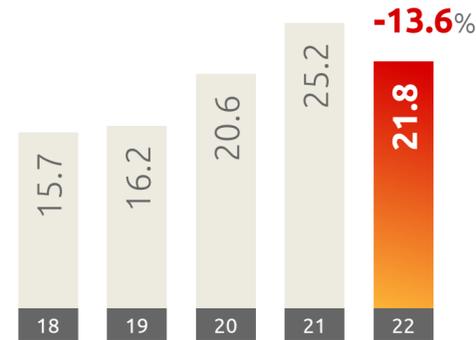
Prices and uses of metals

Prices of metals

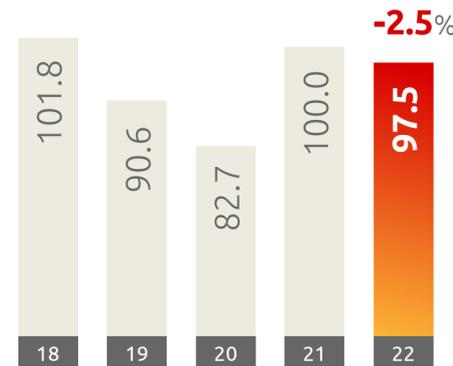
Gold (London)
(US\$/oz)



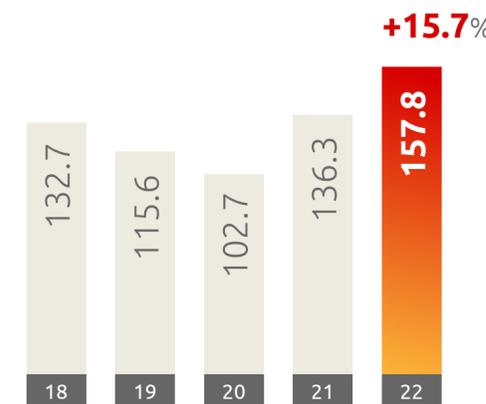
Silver (Comex)
(US\$/oz)



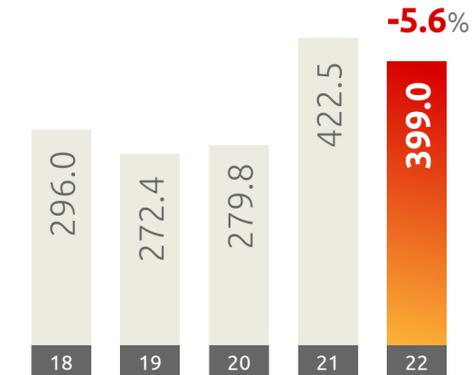
Lead (LME)
(US\$/lb)



Zinc (LME SHG)
(US\$/lb)

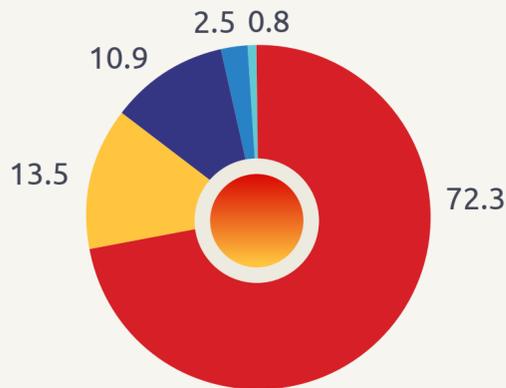


Copper (LME)
(US\$/lb)



Uses of metals (%)

Gold

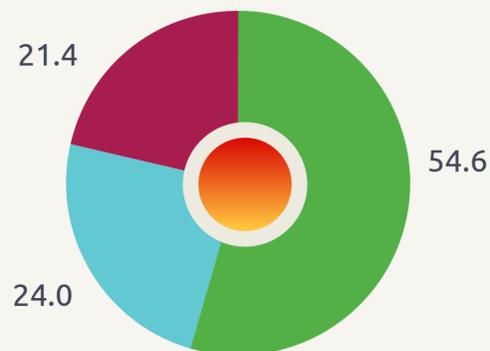


- Jewelry
- Coins
- Electronics
- Industrial
- Dental and medical work

Source: GFMS by Refinitiv Gold 2021.

Note: Gold and silver do not include demand for financial investments.

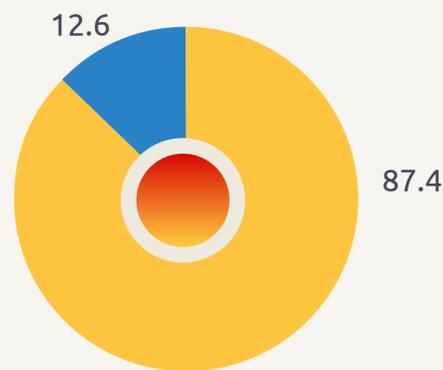
Silver



- Industrial
- Coins
- Jewelry and metalwork

Source: GFMS by Refinitiv Silver 2021.

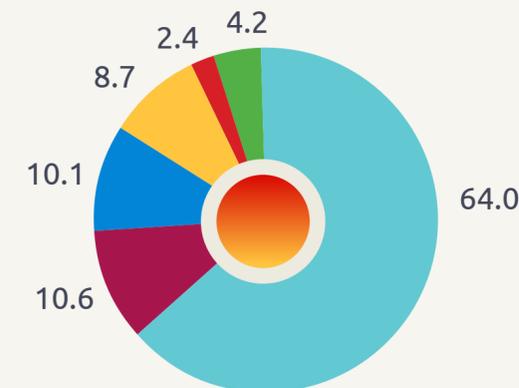
Lead



- Batteries
- Others

Source: Wood Mackenzie, Lead outlook, 4Q 2022.

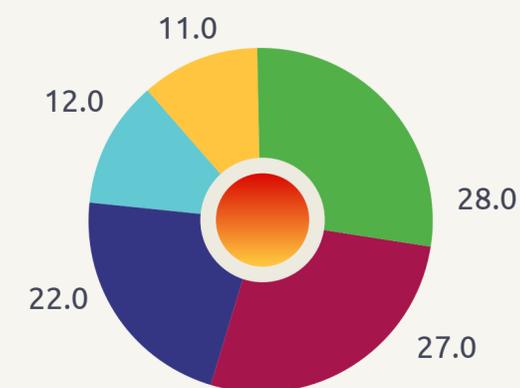
Zinc



- Galvanizing
- Brass
- Oxides and chemical products
- Pressure smelting
- Rolled and extruded products
- Others

Source: Wood Mackenzie, Zinc outlook, 4Q 2022.

Copper

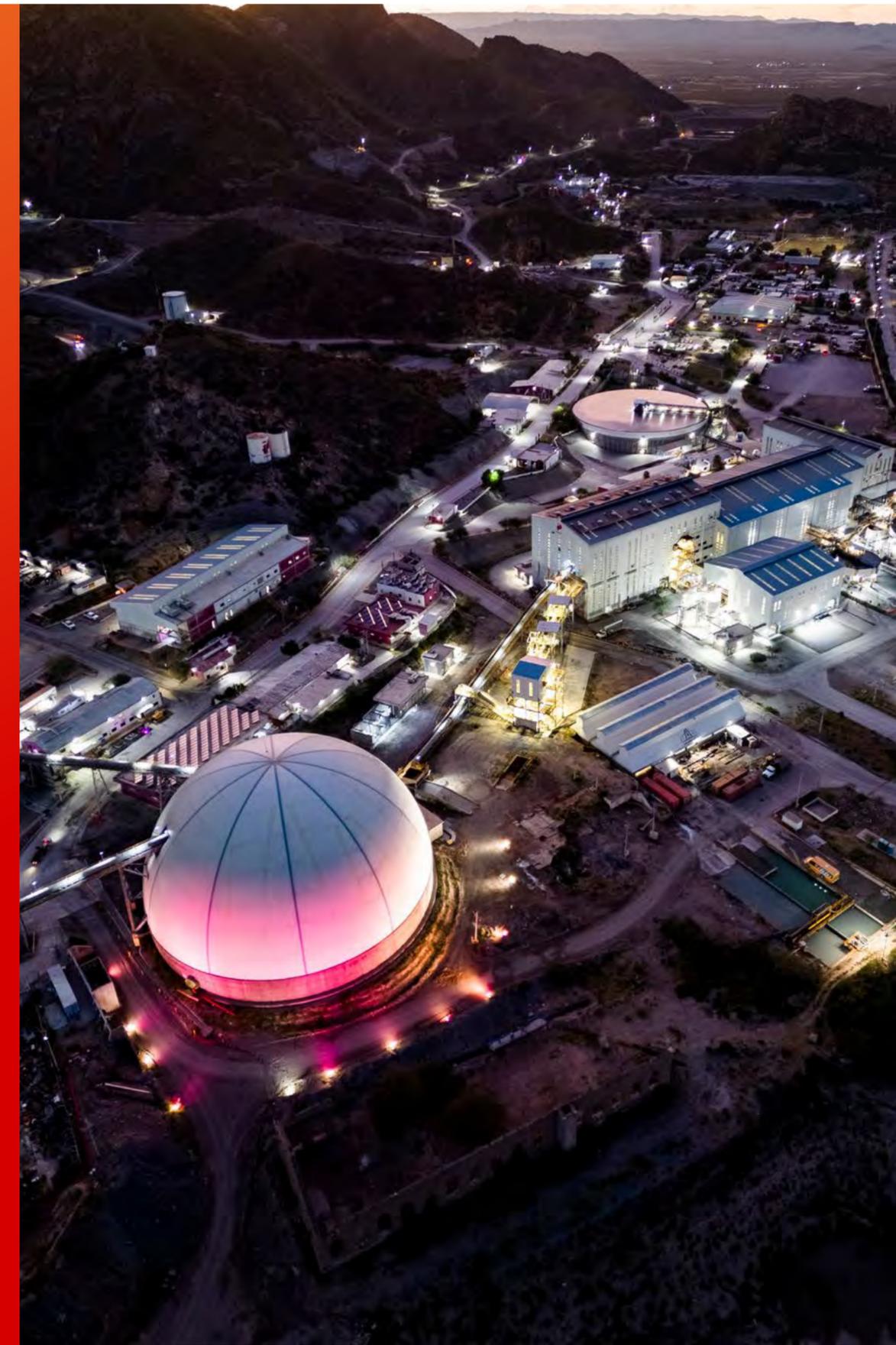


- Construction
- Transportation
- Electrical network
- Consumer products
- Industrial machinery

Source: Wood Mackenzie, Copper outlook, 4Q 2022.

Management reports

We are committed to continue transforming ourselves to be more productive, efficient and improve results.



Annual report of the Board of Directors to the shareholders' meeting, corresponding to fiscal year 2022

Dear Shareholders:

As Chairman of the Board of Directors of Industrias Peñoles, S.A.B. de C.V., and on its behalf, I present this report based on an analysis of the information provided by the Chief Executive Officer in his annual report on the company's performance, the financial and operating results obtained during fiscal year 2022, the key aspects concerning the environment, health and safety, relations with the communities where we operate, and our corporate governance, as well as a report on the main activities of the Board of Directors.

In 2022, the economic aftermath of the COVID-19 pandemic was compounded by a geopolitical conflict in Ukraine, spreading uncertainty and slowing global economic growth. In Mexico, gross domestic product grew by 3.1%, fueled by exports, resilient consumption and the country's financial solidity, all of which strengthened the peso against the US dollar.

During this period, the average price of gold was very similar to 2021, rising at the start of the year and declining afterwards. The slowdown in the industrial economy weakened silver, lead and copper prices. The only metal whose price increased last year was zinc.

Industrias Peñoles invested US\$ 217 million in exploration activities in 2022, 27.1% more than the year before. Drilling programs in operating mines and their areas of influence yielded encouraging results. Field work also continued on projects in the early and advanced stages, as did evaluations in our portfolio of prospects.

Investments in fixed assets in 2022 totaled US\$ 748 million, which is 1.9% less than in 2021. In late December, the new Juanicipio gold-silver mine in Zacatecas finally completed the connection to the national power grid, so that it could formally start operations. This mining unit will contribute significantly to the

company's gold and silver production starting in 2023. Meanwhile, the tailings flotation plant at Fresnillo is still awaiting its electrical connection to start up operations in the second quarter of 2023.

Mining production continues to feel the disruptive impact of the federal ban on outsourcing. Last year, some 704,000 ounces of gold were produced, which is less than in 2021, due to the expected reduction in ore grade and a lower rate of metallurgical recovery at the Herradura mine. Silver production rose to 67 million ounces thanks to the contribution of Juanicipio and a higher volume of processed ore at Fresnillo. Lead and zinc production were similar to last year, while copper in concentrates declined. Operation of the Capela mine encountered some metallurgical problems and shutdowns for various reasons, which hurt production.

In the metallurgical business, annual gold production was 1.013 million ounces, 9.4% less than in 2021; silver output totaled 73.8 million ounces and lead production 109,000 metric tons, dropping 1.9% and 9.4%, respectively. Zinc production in 2022 totaled 237,000 metric tons, down 10.3% from 2021, due to various operating problems within the refinery caused by the complexity of coupling the original plant with its expansion. These difficulties were resolved by the end of the year, however. Refined zinc production is expected to rise gradually in 2023 to reach the plant's nameplate capacity of 350,000 metric tons in 2024.

The inorganic chemicals division performed well, particularly in magnesium byproducts, which reached new record annual production levels of magnesium hydroxide and magnesium sulfate.



The safety and health of our people are a priority, which is why we continued to strengthen programs and actions through a strategy of High-Potential Management and training campaigns.

For the reasons mentioned above—that is, an unusual confluence of various adverse factors, like lower prices and volume, the operating problems at the zinc plant and Capela mine, the delay in connecting the Juanicipio mine to the power grid, the impact of the ban on subcontracting, and the rise in exploration costs and expenses—the financial results for 2022 were much lower than in 2021. Expressed in millions of dollars, net sales came to US\$ 5,523—a 7.5% decline; EBITDA dropped 36.9% to US\$ 1,071; and net income for fiscal year 2022 came to US\$ 183. Despite all this, the company maintains a solid and conservative balance sheet structure, with a net debt/EBITDA ratio of 1.3 times.

Over the course of the year, we continued to apply protocols to prevent COVID-19 contagion and protect our employees' health, and we continued to support vaccination campaigns in coordination with the authorities, both for our employees and their families, and people in the communities where we operate.

The safety and health of our people are a priority, which is why we continued to strengthen programs and actions through a strategy of High-Potential Management and training campaigns.

We also bolstered our environmental protection, management and governance programs, raising the level of safety at our tailings storage facilities to the highest standards in the world, like those established by the Canadian Mining Association and the International Council on Mining and Metals.

Our social investment in 2022 totaled US\$ 22 million and fostered our engagement to communities through active support for their local development, healthcare and recreation, with the aim of building their prosperity.

The Board of Directors adheres to solid corporate governance practices. To carry out its functions, the Board relies on the support of committees as recommended in the Code of Best Principles and Practices for Corporate Governance. The Board met four times in fiscal year 2022. Among the topics covered and approved during these sessions, the most important were the following:

1. Follow-up on the COVID-19 emergency plan.
2. Reinforcement of workplace and environmental safety programs.
3. Report on the company's stock structure update.
4. Progress on the strategic plan.
5. Review of the risk matrix.
6. Metal and exchange rate hedging program.
7. Analysis of the investment and financing program.
8. Review of the budget for the 2022 and 2023 fiscal years.
9. Progress in the actions relative to the labor subcontracting reform.
10. Approval of the external auditor and external audit services.

The most relevant activities of the committees, whose members are presented in the Corporate Governance section of the Annual Report, include the following:

- The Executive Committee reviewed the budgets and the operating and financial performance of the business, including safety and environment; approved the new Mission and Vision of the Company; validated the progress of the strategic plan and the implementation of the environmental, social and corporate governance strategy.
- The Audit and Corporate Governance Committee reviewed the performance of the Company's internal control; reviewed the operating and financial results, as well as the performance and plans for the internal audit, external audit and Compliance Department; evaluated the external audit services and validated their compliance with regulatory requirements; and reviewed the risk matrix, accounting policies, related party transactions and legal matters.
- The Finance and Planning Committee followed up on the financial projections, the evaluation of investment projects and the financial situation of the Company.
- The Nomination, Evaluation and Compensation Committee conducted, in accordance with the policies, the annual performance evaluation of senior officers and authorized salary and benefit increases, as well as bonuses and recognitions based on the results obtained, including safety and social and environmental commitment. The remuneration package for senior officers consists of a base salary, statutory benefits and other elements common to the domestic industry.

In accordance with the provisions of the Mexican Securities Market Law, the Audit and Corporate Governance Committee submitted its Annual Report, which is presented to this Shareholders' Meeting.

Submitted herein for the consideration of this Shareholders' Meeting is the Board's report on the main accounting policies and criteria that serve as the basis for preparation of the Financial Statements, and which include, among others, the basis of presentation and consolidation, significant accounting policies, and new accounting pronouncements, which were audited by the external auditors and are an integral part of this report. The company's Financial Statements were prepared in accordance with the International Financial Reporting Standards issued by the International Accounting Standards Board.

In the opinion of the Board of Directors, the report presented to this Shareholders' Meeting by the Chief Executive Officer reasonably reflects the financial position and results of the company, as well as the key developments of the business during 2022.

Although we cannot say we are satisfied by the year's results, we are committed to continuing the transformation process we began in 2021, which will raise our productivity and efficiency, and ultimately improve our results. Throughout the economic cycles we have overcome daunting challenges and we will continue to take the necessary steps to substantially improve our performance.

I would like to thank our Board members for their dedication, commitment and valuable contributions. I am also indebted to our employees for their efforts and perseverance. I would also like to thank you, our shareholders, for your continued trust and confidence in us.

Alejandro Baillères

Chairman of the Board of Directors

The Juanicipio gold-silver mine in Zacatecas was finally connected to the national power grid, so that it could formally start operations.



Report on company's performance presented by the Chief Executive Officer to the Board of Directors, for fiscal year 2022

**Mr. Chairman,
Ladies and Gentlemen
members of the Board of Directors:**

In my capacity as Chief Executive Officer of Industrias Peñoles, S.A.B. de C.V., and in accordance with the provisions of the Securities Market Law, I hereby submit for your consideration the Annual Report on the performance and results of the company for fiscal year 2022, as well as the Financial Statements and their accompanying notes, which include the principal policies and criteria for accounting and reporting followed in preparing the financial information presented herein.

In 2022, the pace of global economic activity slowed down, despite a gradual recovery from the worst effects of the COVID-19 pandemic. A geopolitical conflict that broke out between Russia and Ukraine in February triggered an energy crisis and drove up inflation. To contain rising prices, the central banks of the world's leading economies—including Mexico—introduced a series of interest rate hikes, particularly in the second half of the year. This, together with a real-estate crisis in China, fueled uncertainty and fears of a new recession.

Inflation in Mexico rose to 7.82%, while gross domestic product grew by 3.1%, led by stronger manufacturing production and exports. The interbank interest rate advanced into the double digits, reaching 10.5% by the close of 2022.

In this complex international scenario, metal prices were highly volatile. Gold fell sharply after recording an historical US\$ 2,000 per ounce in March, amid geopolitical tensions and high inflation, then climbed back as the last quarter drew to a close, when the US Federal Reserve moderated its hiking rate path and China relaxed its zero-COVID policy. The average quotation for gold in 2022 was US\$ 1,800 per ounce, similar to 2021. Silver averaged US\$ 21.76 per ounce, dropping 13.6% from the previous year, affected by weakness in

investment and a fragile industry. For the latter, lead and copper prices, at US\$ 0.97 and US\$ 3.99 per pound, respectively, dropped by 2.5% and 5.6%. In contrast, the price of zinc rose by an annual average of 15.7%, to US\$ 1.58 per pound, responding to a shortage in the production of this refined metal caused by high energy costs, mainly in Europe.

The Mexican peso firmed against the dollar. Average parity was Ps. 20.13 per dollar, which is a year-over-year appreciation of 0.8%, and closed 2022 at Ps. 19.36, 5.9% stronger than at the end of 2021. Its strength was supported by higher exports, the interest rate spread, and a growing influx of remittances from Mexican workers in the United States.

In 2022 our contingency plan remained in place amid new waves of COVID-19, working to prevent its spread among our personnel. We reinforced sanitary protocols and protection measures in all our operations, applied 99,473 diagnostic tests and provided medical care and tracking of the cases detected. Despite our efforts, there were 12,117 positive cases, and we are deeply saddened to report that three of our employees lost their lives to the illness. In the communities where we operate, we have made donations and continue to publicize preventive measures and carry out vaccination campaigns in coordination with the authorities. Over the course of the year more than 347,000 vaccine doses were given to our employees and others.

In coordination with the new Baluarte Minero structure, and under the leadership of our Chairman of the Board, Industrias Peñoles continued the transformation begun in 2021. We also launched a new financial health initiative to improve operating efficiency, streamline our costs, expenses and investment in working capital, while rationalizing our capital expenditures.

The following are the highlights of our operating and financial results for 2022. Financial figures are stated in millions of dollars unless otherwise indicated, and changes were calculated with respect to the close of 2021.

In 2022, our Capex investment totaled US\$ 748 (1.9% lower than the year before), primarily in: (i) completing the Juanicipio mine project owned by Fresnillo plc; (ii) operating continuity; and (iii) the purchase of mobile equipment for assimilated activities, responding to the labor reform that took effect in 2021.

We also invested US\$ 217 in exploration, a 27.1% increase over 2021. The work focused on higher-potential projects to optimize our use of resources, which was one of the tenets of our financial health plan, while continuing progress on priority explorations. At the Capela unit, the drilling campaign begun in late 2020 concluded, generating inferred resources of 5.4 million metric tons of ore with 4.3% of copper equivalent, which can be converted into reserves for this mining unit. At Reina del Cobre, which neighbors Velardeña mine in Durango, preparations continued with the aim of beginning development of underground mine work in 2023 and improving the reliability of the resources detected. In the Fortuna del Cobre disseminated copper project in Sonora, parametric drilling in the discovered body has not yet yielded favorable findings for a possible mining operation that would fit the company's current parameters. Meanwhile, in the portfolio of international projects, through drilling at the Racaycocha copper-gold-molybdenum project in Peru, additional copper and polymetallic mineralization was detected and will be quantified in 2023. Finally, at the Yastai copper-gold project in Chile, a first estimation of reserves justified the start of a second phase of drilling to expand the discovered body.

Meanwhile, at Fresnillo plc, intensive drilling programs were conducted at operating mines with good results, both in infill drilling and in converting resources to reserves. Drilling was also carried out in early and advanced projects in the Fresnillo, San Julián, and Guanajuato districts. Internationally, drilling was also conducted at two projects in Peru and work intensified on the Capricornio project in Chile.

The Capela polymetallic mine improved the metallurgical recoveries and quality of concentrates produced at the beneficiation plant, by adjusting the dosing of reagents and milling parameters. Several challenges affected the pace of ore extraction and processing, however, like changes in the mining sequence to improve safety, the limited availability of water and various highway blockages. All of this affected the volume of ore processed, which was lower than in 2021. A storage reservoir is now being built and geo-hydrological studies carried so that the plant can be assured of a sustainable water supply going forward.

In the Mines Division, the volume of ore deposited rose 6.2%, equivalent to 24.5 million metric tons, due primarily to increased extraction at Herradura and the resumption of extraction activities at the Milpillas copper mine. The results of these operations offset the expected decline in volume deposited by Noche Buena, as this mine approaches the end of its useful life. The volume of ore milled at the mining plants declined slightly (-1.6%) to 21.7 million metric tons. Increased production at Fresnillo and Juanicipio—the ore from which was processed at the Saucito and Fresnillo beneficiation plants—offset the reduction in volume processed by Saucito, Ciénega, Sabinas and Capela, primarily.

We launched a financial health initiative to improve operating efficiency and streamline our costs, expenses and working capital investment, while rationalizing our capital expenditures.

We continued to deploy technology in line with our Intelligent Mine vision to automate and optimize operating processes and increase productivity and the safety of our personnel.

Also, higher volume deposited by Herradura partially offset the lower ore grade; however, the recovery rate of gold contained in leaching pads was slower as more sulfides were processed. As a result, in addition to the reduction in the volume of lower grade ore from Noche Buena, annual gold production fell 13.3% from 2021 to 704,008 ounces in 2022.

Silver mining production totaled 67 million ounces, a 3.9% year-to-year growth. The improvement was fueled primarily by the contribution of ore processing from Juanicipio with better grades, and, to a lesser extent, an increase in volume processed with higher grades and recoveries at the Fresnillo mine, once the operating restrictions that had hampered production in 2021 were resolved. These mines offset the reduction in silver produced by (i) San Julián (from the Disseminated Ore Body), due to an expected decline in ore grade; (ii) Ciénega, Sabinas and Capela, with lower volume processed and lower grades, in addition to lower recoveries at the latter; and (iii) lower ore milling at Saucito, whose effect was partially offset by better grades.

In mining production of industrial metals, lead content was 78,241, similar to the preceding year (-0.7%), due to an increase in the volume of ore processed at Fresnillo and Juanicipio with better grades, and higher grades and recoveries at Sabinas, Velardeña and Tizapa. All of these made up for the drop in production at Saucito resulting from a lower volume of ore processed with lower grades, and at San Julián, due to lower grade. The volume of zinc also fell slightly by 1.7%, to 269,262 metric tons, affected as well by the decline in beneficiated volume at Saucito with lower ore grade. The same was the case at Velardeña and San Julián. These shortfalls were offset in part by production at Fresnillo and Juanicipio, both with higher ore processing with better grades.

Copper production in concentrates decreased 12.1%, a result of lower ore beneficiation with lower grade and recovery at Sabinas, lower grade and recovery at Velardeña, as well as lower volume processed by Tizapa. This was offset by Capela, which showed an improvement in ore grade and metallurgical recovery. In contrast, copper cathodes volume rose 80.4%, as the good outlook for copper prices motivated the resumption of activity at Milpillas. As previously reported, operations at this mining unit had been suspended in 2020 due to the sharp drop in the price of the red metal, combined with high operating costs and low grades.

Meanwhile, we continue our comprehensive management of tailings storage facilities based on international standards. We currently have a solid governance and management structure made up of a panel of independent experts, an Executive Tailings Committee and tailings operation committees at each operating unit, among other safeguards. Our goal is to apply technologies, controls, practices and methods at all of our tailings facilities to ensure a safe, responsible handling of our mineral waste and avoid damage to neighboring communities and the environment. This year, our mining operations made significant progress on implementing the panel's recommendations. Tizapa also moved forward on installation of the tailings thickening tank to improve process water recovery; this facility is slated for startup in the first half of 2023.

We also continued to deploy technology in line with our Intelligent Mine vision to automate and optimize operating processes at our mining units, increase productivity and the safety of our personnel. During the year, we made progress on installing remote blasting systems, strengthened the mine information system and began advanced control of milling at the Capela beneficiation plant. We also extended the installation of drowsiness and fatigue sensors in our transportation equipment, began a pilot anticollision warning system at Velardeña and Sabinas, and installed an on-demand ventilation system at San Julián.

Chairman of the Board of Directors

Chief Executive Officer

Prices and exchange rate

Audit and Corporate Practices Committee

At the end of the year the Juanicipio mining project was connected to the national power grid, once all the technical requirements requested by the Federal Electricity Commission (CFE) were met and testing was successfully completed. A total of US\$ 440 was invested in the project, which is jointly owned by Fresnillo plc (with 56%) and MAG Silver Corp (with 44%). This mining unit was thus able to officially start up operations. Average annual production is expected at 11.7 million ounces of silver and 43,500 ounces of gold. Meanwhile, the tailings flotation plant at the Fresnillo mine, where silver and gold content will be recovered (Pyrite phase II), complementing phase I at Saucito, is still awaiting its connection to the electrical network to begin operations.

In the metallurgical operations, the volumes of concentrates and other materials processed in the lead-silver circuit declined year-to-year. The main challenge in the smelter was to achieve an adequate balance of the mixtures to be treated, due to the low lead grades in the concentrates received and the high presence of copper, in addition to the variable quality of the lead-silver cements from the zinc plant. This caused corrective stoppages in furnaces and failures in the sintering stage, which affected bullion production to feed the lead-silver refinery, where less dorés were also received from Herradura and Noche Buena, as well as precipitates from Ciénega. Consequently, productions in this circuit were lower compared to 2021: gold by 9.4% (with 1,013,151 ounces), silver by 1.9% (with 73.8 million ounces) and refined lead by 9.4% (with 109,060 metric tons).

In the zinc circuit, we continued normalizing operations. The difficulties were resolved in the roasting process and in balancing the interaction between the old acid-roasting plant and the new direct leaching plant. Recoveries of zinc in concentrates and silver in lead-silver cements approached their design levels at 93% and 83%, respectively. The biggest challenge continues to be in the electrolysis area, where anodes damaged by unplanned shutdowns in 2021 and 2022 are being replaced. After some delays in their reception, this process is now expected to be completed in the first quarter of 2023. After the new anodes are in place, they should improve the efficiency of electrical

use, reduce the consumption of electricity per metric ton of production and gradually increase production to achieve the installed capacity of 350,000 metric tons of refined zinc per year by 2024. Additionally, because of efforts to preserve the quality and purity of refined zinc, the volume of treated concentrates was lower than in 2021, and annual refined zinc production dropped by 10.3% to 237,127 metric tons. In the silver recovery process, some 5 million ounces of silver contained in cements were produced, although not all this volume could be treated at the smelter. We continue to analyze various alternatives to improve the quality of our cements to process them more quickly at the smelter without affecting the sintering process.

Inorganic chemicals performed well in 2022, particularly magnesium oxide, with a production of 87,822 metric tons (15.1% more than in 2021), due to strong demand in our core markets in North America and Europe —although this weakened in the second half of the year due to the economic slowdown. To meet clients' needs in this business, some operating strategies were introduced, like optimizing preventive maintenance and furnace efficiency programs. Sodium sulfate volume totaled 764,089 metric tons, alike to 2021 (+0.3%). Magnesium sulfate broke an annual production record with 66,497 metric tons thanks to strong performance by the domestic agricultural industry. We also obtained our registry from the Organic Materials Review Institute (OMRI) which improves our product's competitiveness in the organic crops niche.

With regards to energy, 2022 posed new challenges. Changes in national energy policy were compounded by high prices of fuel, natural gas and pet-coke as a result of the war in Ukraine. Despite this adverse climate, we remain committed to the goals of our strategy, which are to ensure a continuous supply of electric power for our operations at a competitive cost and to use fuel more efficiently. Furthermore, motivated by our firm commitment to sustainability and environmental stewardship, we worked on charting a roadmap for decarbonizing our operations. We will remain alert for opportunities in emerging green technologies, like hydrogen and emission-free ammonia, not just for supplying electricity but as a potential replacement for fuel in vehicles and production equipment.

Our portfolio of power plants generated 83.5% of the energy required by our operations. Renewable sources generated the equivalent of 49.0% of our consumption.

At Peñoles, we have overcome major challenges and capitalized on the lessons learned to improve the efficiency and productivity of our operations.

In 2022 our portfolio of power plants generated energy equivalent to 83.5% of what was required by our operations, in a year in which electrical demand rose a slight 0.6% over 2021. We continue to work with the authorities on migrating some charges to the wholesale power market (WPM), so much of the energy generated by the Mesa La Paz wind farm was sold to the market operator and only 11.5% could be assigned to the Capela unit. The rest (16.5%) was purchased from the CFE. The generation of electricity from renewable sources increased from 47.8% of our consumption in 2021 to 49.0% in 2022.

The unit cost of the electricity we consumed was 10.7% higher than the year before (US¢ 8.71 per kWh), for the following reasons: (i) an increase in CFE rates; (ii) a higher participation by Eólica de Coahuila in the supply to consume energy inventory, which meant a higher transmission cost; (iii) a substantial increase in the cost of the coke used by Termoeléctrica Peñoles (TEP) starting in October, as the fixed-rate supply contract it had been operating under since its startup expired; (iv) inflation of costs originating in pesos (like coke shipping and TEP operating and maintenance expenses); and (v) the reduction in the average peso-dollar exchange rate, which drove up the cost of peso-denominated costs when expressed in dollars.

The financial results for the year, expressed in millions of dollars, were the following:

Sales —excluding hedging results— declined 8.5% to US\$ 5,527, due to a reduction in sales volume, particularly gold and zinc, and lower silver prices. Hedging of metal prices and exchange rates, which reduce the risk of major fluctuations and lower EBITDA volatility, generated an opportunity cost of US\$ 3, which is an improvement from the US\$ 71 cost reported in 2021. Net sales therefore amounted to US\$ 5,523, a 7.5% year-to-year decline.

The cost of goods sold rose 1.7% to US\$ 4,491, driven by production cost increases that were in turn influenced by various factors: (i) inflation in our basket of operating inputs; (ii) work on the reinforcement of tailings storage facilities, and mine preparation and development; (iii) repairs; and (iv) to a lesser extent, the cost of resuming mining extraction activities at Milpillas. These effects were compounded by the adverse effect of the peso's appreciation against the dollar on peso-denominated costs (which represent around 50% of our production costs). With fewer concentrates and other material purchased from third parties for our metallurgical operations, and given lower silver and lead prices, the cost of metal was lower, an effect partially offset by lower treatment revenues, also related to this lower volume purchased.

Consequently, gross income totaled US\$ 1,032, 33.6% less than in 2021. General expenses came to US\$ 652, an 11.5% growth due especially to exploration and selling expenses. With this, EBITDA of US\$ 1,071 and operating income of US\$ 380 were 36.9% and 60.8% lower, respectively, when compared to the previous year. Net financial expense was up 3.6%, to US\$ 158, primarily due to high interest rates, which affected short-term loans and closing reserves, as well as tax updates, though this was mitigated by an increase in the interest earned on our investments. And while we brought in other net revenues of US\$ 11 in 2021, last year we reported other net expenses totaling US\$ 1. This was attributed chiefly to: (i) losses from the sale of concentrates; (ii) engineering write-offs for a new lead smelting technology; and (iii) the increased cost for remediation at closed mining units. This was partially offset by income from the right granted to a third party to expand their pit on the company's concessions, and for a reversal of asset impairment at the Madero mine.

The annual income tax provision of -US\$ 125 was favorable versus US\$ 229, as a result of lower taxable income for the year and the adjustment of deferred taxes as effect of higher inflation on the company's net monetary assets and the appreciation of the Mexican peso versus de dollar. Similarly, provision for special mining right of US\$ 22 was lower than the provision of US\$ 32. For reasons explained above, net income for fiscal 2022 of US\$ 183, was lower than US\$ 391 obtained in the previous year.

At Industrias Peñoles, we maintain our commitment to “Living the Community”. Therefore, our social management system is based on the principles of sustainable development, respect for human rights and cultural diversity, building trust, a sense of belonging, as well as cooperation and co-responsibility between communities and authorities. We maintain harmonious relations with communities, authorities and stakeholders, and we encourage dialogue and engagement to achieve common goals. We are also determined to respond to the challenge of climate change and assume our responsibility by joining the efforts of various economic, government and social agents to avert its worst effects. With this in mind, we have begun scenario planning and risk analysis to define goals and targets that will translate into mitigation and adaptation actions to contribute to the solution of this global problem. We will be gradually fine-tuning this process as we develop and implement roadmaps to decarbonize our operations.

In matters of safety, we continue to implement our High-Potential Management strategy focused on three dimensions: (i) managing critical risks and controls; (ii) managing behaviors and leadership practices; and (iii) managing incidents. In 2022, we reinforced and controlled critical risks identified in our operations through verifications, training and education. Industrias Peñoles also encourages visible onsite leadership, with direct involvement by the Chief Operating Officers to foster a culture of accident prevention. We also publish communiqués, alerts and lessons on accidents and incidents. Unfortunately, despite our efforts in this regard, we regret to announce the death of three of our employees at Fresnillo, Milpillas and Met-Mex. We have carried out the corresponding root cause analysis to define the actions that must be taken to prevent and avoid this type of risks.

In 2022, we continued supporting labor modernization to drive productivity improvements, a better quality of life and income for our workers. Collective bargaining agreements with our unions were negotiated in a climate of cordiality, respect, cooperation and mutual benefit.

In the process of cultural evolution and comprehensive well-being led by Baluarte Minero, we are determined to be more agile and innovative, to create solutions as a team, and to shape a renewed leadership to become an increasingly inclusive, diverse and equitable workplace. As part of this effort, this past year we published our Policy on Workplace Equality and Non-discrimination to guarantee respect for human dignity. Because integrity is a part of how we do business, we operate in strict compliance with national and international laws and regulations. Our conduct is guided by the institutional values of Confidence, Responsibility, Integrity and Loyalty, to which this year we added Respect. We also continue to strengthen our regulatory framework and work to ensure that our principles permeate throughout the value chain.

Peñoles has overcome big challenges in the past, and we have used these lessons to improve the efficiency and productivity of our operations today. We continue to evolve, aligning our goals and actions with our strategic pillars, all in the service of our Vision, which is “to be a company of excellence worldwide with extraordinary results, a leader in its sector with safe and sustainable operations, driven by its agility and capacity for transformation, in harmony with the environment and society.”

I would like to thank the Chairman and the members of the Board of Directors and Executive Committee for their confidence, their invaluable support and unerring guidance. I am also grateful to our employees for their remarkable dedication and efforts. Together I am sure we can continue overcoming the challenges that the future holds.

Rafael Rebollar

Chief Executive Officer

We published our Policy on Workplace Equality and Non-discrimination to guarantee respect for human dignity.

Chairman of the Board of Directors

Chief Executive Officer

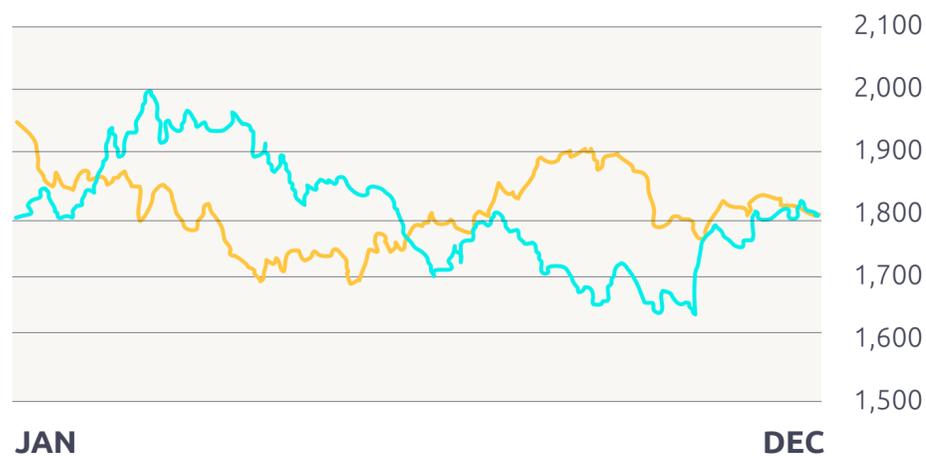
Prices and exchange rate

Audit and Corporate Practices Committee

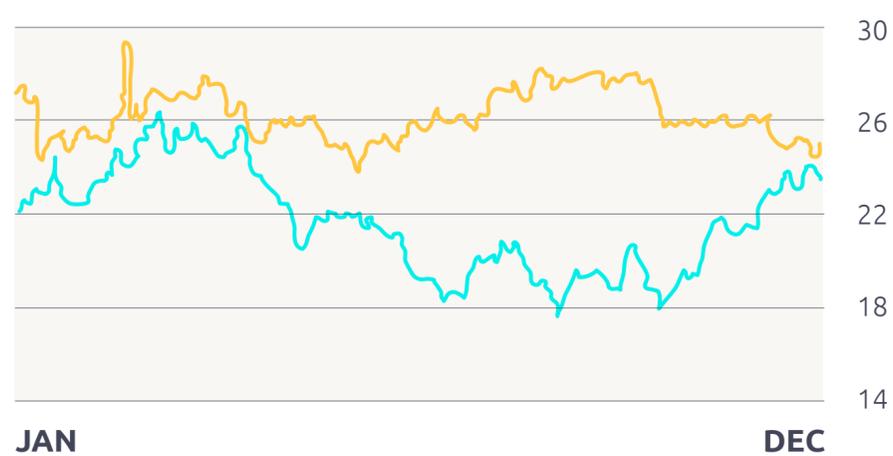
Prices and exchange rate

— 2021
— 2022

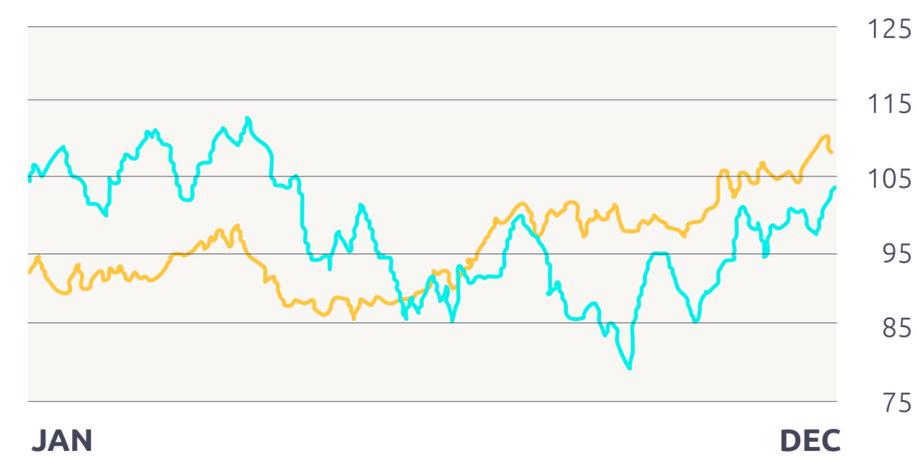
Gold (London) (US\$/oz)



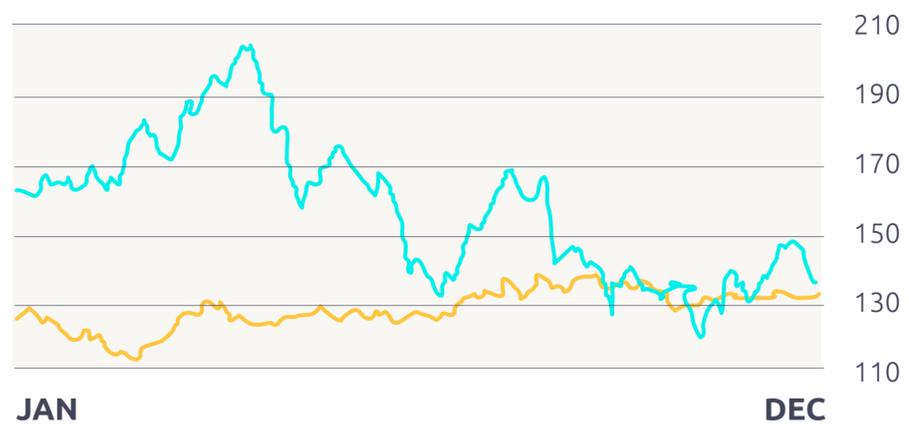
Silver (Comex) (US\$/oz)



Lead (LME) (US¢/lb)



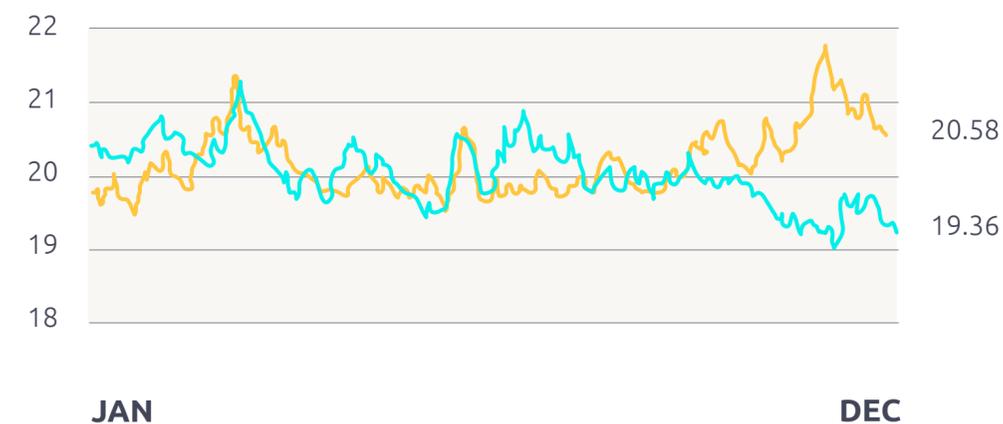
Zinc (LME SHG) (US¢/lb)



Copper (LME) (US¢/lb)



Official exchange rate (MXN/US\$)



Audit and Corporate Governance Committee

Industrias Peñoles, S.A.B. de C.V.

ANNUAL REPORT

Mexico City, March 3, 2023.

To the Board of Directors of Industrias Peñoles, S.A.B. de C.V.

Dear Board Members:

In accordance to article 43 of the Securities Market Law ("SML"), in my capacity as Chairman and on behalf of the Audit and Corporate Governance Committee of Industrias Peñoles, S.A.B. of C.V. (the "Company"), as well as in compliance to our Rules of Operation and the Code of Principles and Best Practices of Corporate Governance (*Código de Principios y Mejores Prácticas de Gobierno Corporativo*), I hereby submit the Annual Report of activities of such Committee corresponding to the 2022 fiscal year.

The Committee held five sessions regarding the abovementioned fiscal year to review and follow up the business performance, according to the following:

- It was reviewed that the external auditors firm, as well as the external auditor and his team, fulfilled and maintained, during the term of their external audit services, the independence, personal and professional requirements, and that they had a quality control system as required by the General Regulations Applicable to the Public Companies Supervised by the National Securities and Bank Commission that hire External Audit Services of Basic Financial Statements (Disposiciones de Carácter General Aplicables a las Emisoras Supervisadas por la Comisión Nacional Bancaria y de Valores que Contratan Servicios de Auditoría Externa de Estados Financieros Básicos) (hereinafter referred to as the "Regulations").
- We became acquainted of and followed up the work plan of the External Auditor, including the scope, nature and opportunity of the audit processes, the meaningful procedures that they decided to analyze, as well as the risks and key matters that they determined. In addition, during the year, the internal control findings reported in the suggestions letter were followed.
- We evaluated the performance of the audit firm, concluding that it fulfilled the necessary requirements for the execution of the assigned job, in accordance with the Regulations and that the additional services received met the assigned objectives.

- The Annual Plan of the Internal Auditor was approved, and we reviewed its quarterly reports, the important aspects observed during the execution of the Plan, as well as the corrections made during 2022 and, as the case may be, those aspects that remained outstanding.
- We reviewed the Statement issued by the external auditors referred to in article 35 of the Regulations, so we were aware of the materiality and the tolerable error considered in their audit, the evaluated meaningful processes, the nature of the audit adjustments and their amount, as well as the conclusion they reached.
- Each quarter we followed up the financial information of the Company. Also, the consolidated and individual Financial Statements prepared by the management as of December 31, 2022, were analyzed, as well as the unqualified opinion expressed by the external auditors on their opinion about them.
- We reviewed the information provided by the management on the most significant transactions carried out with related parties, subsidiaries and other affiliate companies of the consortium of which it is part, during the year 2022, which correspond, among others, to the sale of metals, treatment fees, concentrates purchase, energy purchase, royalties, rendering of services and revenues for financial instruments. These transactions were made at market prices and have transfer pricing studies prepared by specialists.
- We followed up the legal, accounting and tax matters presented by the management as well as by the external and internal auditors during the fiscal year and we were informed about different internal control issues presented by the management.
- The main risks to which the Company is exposed were analyzed, with special emphasis in the cybersecurity risks, the way the Company is managing them as well as the review of compliance with the most relevant legal provisions applicable to the Company.
- We reviewed the compliance of the Company's Code of Ethics and Conduct and the complaints received through the mechanism of disclosure of undue acts and protection to informants.
- We supported the preparation of the Board of Directors' Report to the Shareholders' Meeting.

We assessed the report presented by the Chief Executive Officer ("CEO") in accordance to article 42, section II, subparagraph e) of the SML; we consider that the information contained therein reflects in a reasonable manner the financial position and the results of the Company, due to: (i) the accounting policies and criteria applied in the preparation of the financial information, included in the notes to the audited Financial Statements, are adequate and sufficient, taking into consideration the specific circumstances of the Company; and, (ii) the accounting policies and criteria have been consistently applied. Therefore, the Committee recommends to the Board of Directors the approval of the consolidated and individual Financial Statements corresponding to the fiscal year 2022, as well as the accounting policies and criteria applied by the Company in the preparation of the financial information.

In several minutes of sessions of the Board of Directors, resolutions were included regarding the operations and activities in which the Committee intervened in accordance with the SML, therefore the Secretary of the Board of Directors certified the resolutions of the Shareholders Meetings and the Board of Directors corresponding to the 2022 fiscal year, which were followed up by the Committee. Likewise, through this certification it was informed that, during this year, the Board of Directors did not grant any waiver to Directors, Relevant Officers or individuals with Power of Command, to take advantage of business opportunities for their own benefit or for that of third parties that correspond to the Company or to legal entities controlled by it or in which the Company has a significant influence.

There was no knowledge that Shareholders, Board Members, Relevant Officers, employees or, in general, any third party, had made observations regarding the accounting, internal controls and issues related to internal or external audit, or of complaints made during 2022 regarding irregularities in the administration.

The Nomination, Evaluation and Compensation Committee of the Company submitted a report to the Committee, in which it reported that, during 2022, it reviewed the performance of the Relevant Officers without finding any remark, and that it examined the compensation packages of the CEO and the Relevant Officers which, in opinion of the Nomination, Evaluation and Compensation Committee, are in accordance with the policy approved by the Board of Directors.

On behalf of the Audit and Corporate Governance Committee,

Mr. Ernesto Vega Velasco

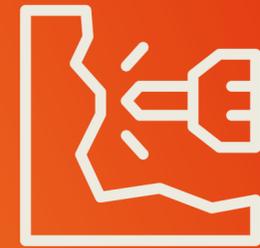
Chairman of the Audit and Corporate Governance Committee.

Industrias Peñoles, S.A.B. de C.V.



Performance

We concentrated our efforts on normalizing the operation of the zinc plant and the Capela mining unit. At the same time, we reinforced our health and safety programs with a zero-harm mentality.



27.1 %

higher investment in exploration relative to 2021.

We focused on projects with the greatest potential and in areas of influence of the mines.

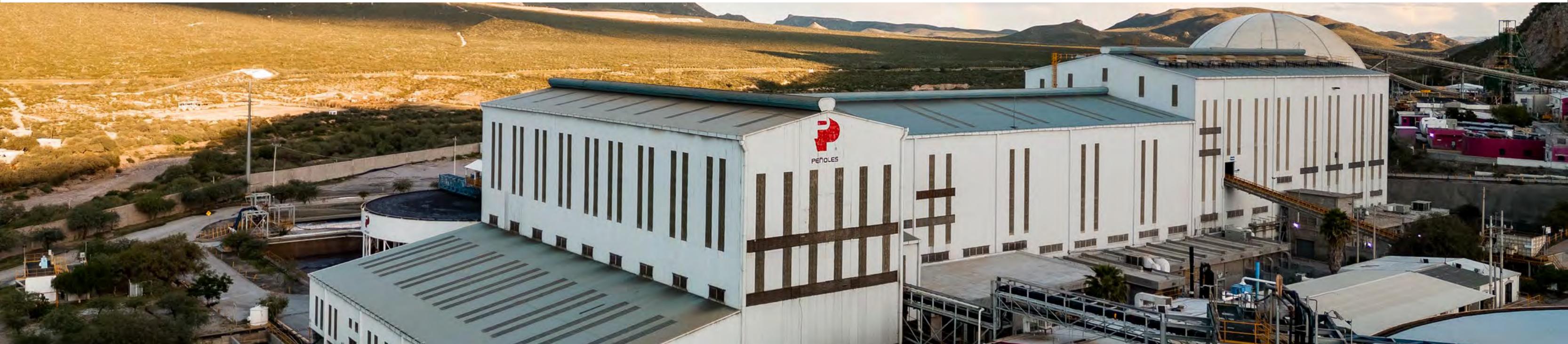
EXPLORATION

Peñoles' Exploration Division is dedicated to detecting and developing new polymetallic and copper deposits in Mexico and South America, where we hold concessions for over 1.1 million hectares. It also supports our mining units through exploration campaigns in their areas of influence. We have a portfolio of projects and prospects at different stages of progression, and we assess early opportunities for possible acquisitions or partnerships with other mining groups on high-potential projects.

Consolidated investment in exploration totaled US\$ 217.1 million in 2022, 27.1% more than in the previous year. Of this amount, US\$ 38.5 million were allocated to new Peñoles projects, US\$ 14.2 million for exploration of mines to replenish and increase reserves, and the rest to mines and projects at Fresnillo plc.

In 2022, we concentrated our exploration efforts on advanced projects with the highest potential, and on the area of influence of the Capela unit, to optimize resources in line with our company's financial health plan, without affecting the progress of priority explorations. We completed 47,000 meters of drilling in seven locations. Geological, geochemical and geophysical work also took place at 18 prospects for further exploration with drilling and subsequent assessment. We also assessed nine external prospects in search of opportunities.





The most important results were obtained in the following projects:

REINA DEL COBRE

(polymetallic)

Cuencamé, Durango

The polymetallic skarn project is located 20 kilometers from the Velardeña unit. At the end of the year, the detected—inferred—resources totaled 19 million metric tons with 1.9% of equivalent copper. Considering the depth of the ore bodies, we began preparations to conduct 1,400 meters of underground mining work to locate suitable drilling positions for ensuring a higher level of reliability of the resources, with the possibility of increasing them. The underground mining work is expected to finish in 2023 to carry out a detailed drilling campaign in 2024.

CAPELA

(polymetallic)

Teloloapan, Guerrero

The Capela unit completed a drilling campaign of 7,147 meters during the year, in an extension of the current mineralized mantles to intercept ore continuity and generate inferred resources of 5.4 million metric tons, with a content of 4.3% copper equivalent, which can feasibly be converted to new reserves for this mining unit.

FORTUNA DEL COBRE

(copper)

Pitiquito, Sonora

In this disseminated copper deposit, we completed the parametric drilling phase in the uncovered bodies and in anomalous neighboring zones. With 16,924 meters drilled, inferred resources were defined totaling 62.5 million metric tons, with values of 0.48% copper equivalent. We are currently studying the possibilities this property affords to maximize its economic benefit.

INTERNATIONAL EXPLORATION

Our international objectives include the Racaycocha copper-gold-molybdenum project in Peru. In 2022 we conducted 4,730 meters of drilling in the northern part of the area, where we detected copper and polymetallic mineralization that should generate additional resources for this project. We expect to conclude a preliminary estimation of resources in 2023.

At the Yastai copper-gold project in Chile, a first parametric drilling campaign was carried out covering 7,767 meters, which made it possible to detect considerable

mineralization, and with sufficient potential to justify continuing exploration work. At the end of the year, we began a second stage of borehole drilling, and once completed, the resource estimation will take place in the second half of 2023.

At the Pichasca Project—copper-lead-zinc—in Chile, a parametric drilling campaign was carried out on 3,300 meters, looking for the continuity of broad veins and disseminated zones. The information produced is under study to assess the potential of the project and define the continuity of the work.

Exploration

Mining

Metals

Chemicals

Highlights

Projects with estimated resources

(mine project candidates, cumulative)



Advanced projects

(definition of resources)



Projects under development

(parametrization of potential)



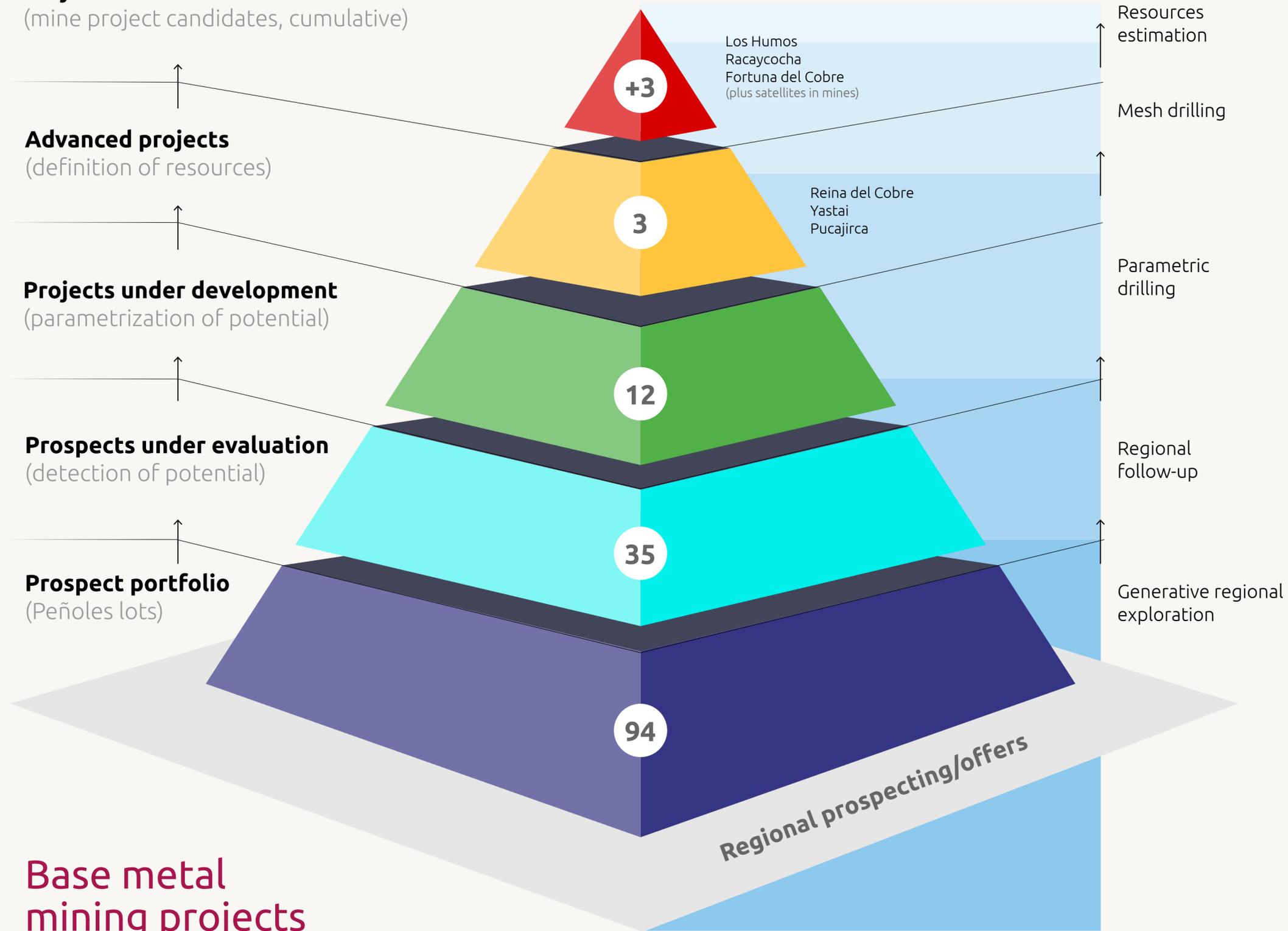
Prospects under evaluation

(detection of potential)



Prospect portfolio

(Peñoles lots)



Base metal mining projects

In exploration at Fresnillo plc, focused on gold and silver projects, drilling campaigns intensified both in operating mines and in projects, with a 14% increase in meters drilled compared to 2021, for a total of 955,798 meters of borehole drilling during 2022. 89% of these involved targets within and close to the mining units, and the remainder to early and advanced projects in Mexico, Peru and Chile. Of the total drilled, 36% was invested in the following districts: Fresnillo 36%, San Julián 28%, and 12% in Herradura, both to add certainty to the reserves that support short- and medium-term planning, as in extensions of known bodies, and in converting inferred to indicated resources.

Drilling intensified at advanced projects such as Guanajuato and Tajitos, and geotechnical drilling at Orysivo was completed, along with the associated studies. Drilling was also resumed at the Candameña and San Juan projects, and drilling begun on some early projects with good potential.

By strengthening relations with the communities in Peru, Fresnillo was able to begin the first drilling campaign at the Santo Domingo project and resume exploration at the Pilarica project. Activities were suspended at the end of the year, however, in consideration of the social and political instability of the country and will be resumed when conditions allow.

In Chile, drilling in the Capricorn project continued with interesting results. The Condoriaco project was canceled in the middle of the year as it was not delivering the expected results.

The geological, geochemical and geophysical work carried out in the three countries where we operate, allowed us to define new targets with good exploration potential. Progress has been made toward obtaining the social license for priority targets and the necessary government permits for drillhole exploration in 2023.



US\$ 687.6 M

invested in sustaining
mining operations
and new projects.

MINING

Peñoles operates five underground mining units in Mexico, four of which produce zinc, lead and copper concentrates: Velardeña in Durango; Sabinas in Zacatecas; Capela in Guerrero—all of these wholly-owned by the company—and Tizapa in the State of Mexico, in which we own a 51% stake. The fifth mine is Milpillas, in Sonora, also 100% owned, which turns out copper cathodes. We also consolidate the production of Fresnillo plc—in which we own a 74.99% stake—which produces gold and silver in lead and zinc concentrates, dorés, precipitates and other materials in its operating mines: Fresnillo and Saucito, in Zacatecas; San Julián, in Chihuahua; Ciénega and San Ramón—satellite—in Durango, all of them underground mines; and Herradura and Noche Buena, two open pit mines in Sonora. Juanicipio, in Zacatecas, is Fresnillo plc's newest mining unit; its processing plant started up operations in December 2022. During this period and in part of 2021, the ore produced by Juanicipio was processed at the Saucito and Fresnillo beneficiation plants, contributing to the production of silver and gold content.

Consolidated production of these mines positions us as Mexico's largest producer of metal zinc and lead content. Furthermore, thanks to Fresnillo plc, we are the leading silver producer in the world and the largest gold producer in Mexico.

The investments made by the Mines Division in 2022 totaled US\$ 687.6 million, which went primarily to the development of infrastructure, capitalizable mining work, the purchase of mining equipment, construction of tailings storage facilities, a leaching pad at Herradura and the startup of the Juanicipio processing plant.

Exploration

Mining

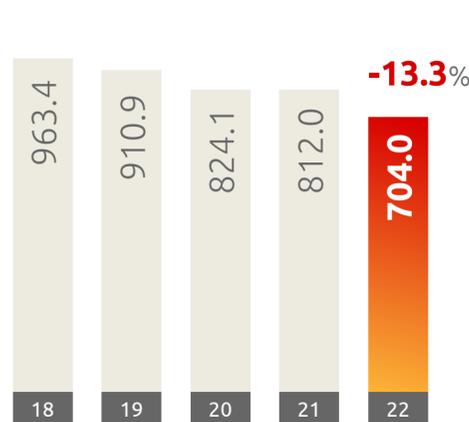
Metals

Chemicals

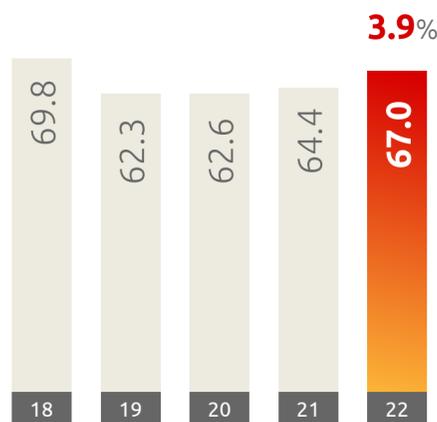
Highlights

Mine production

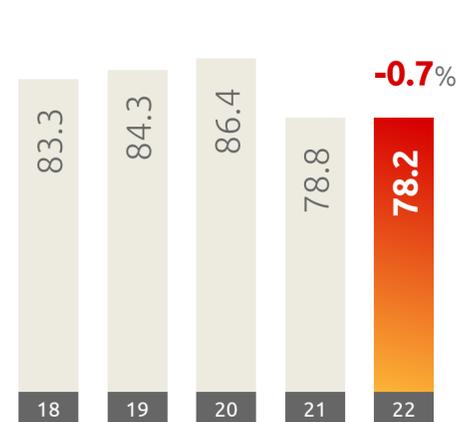
Gold koz



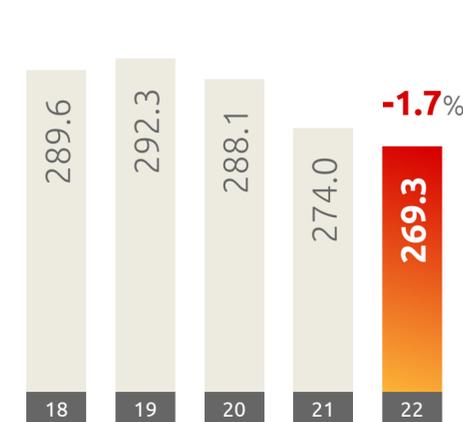
Silver Moz



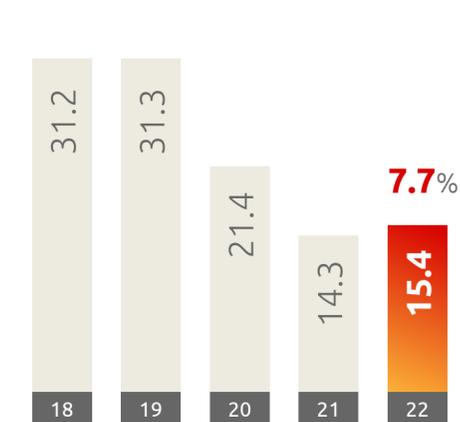
Lead kt



Zinc kt

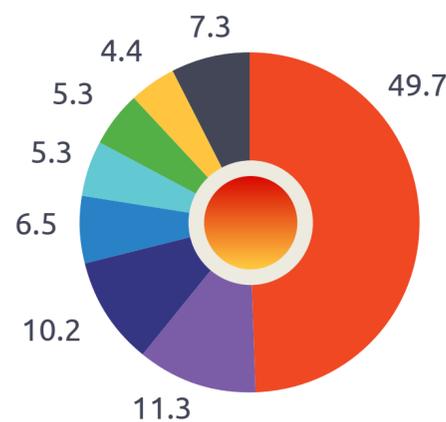


Copper* kt



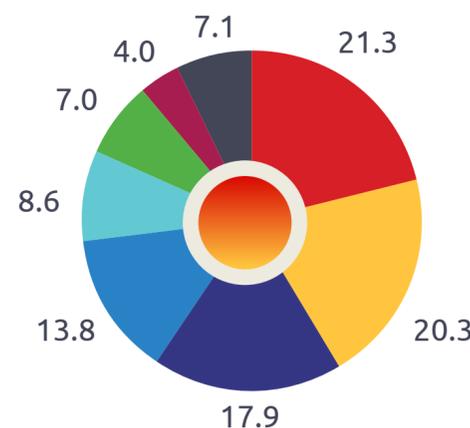
* Includes copper cathodes.

Gold (%)



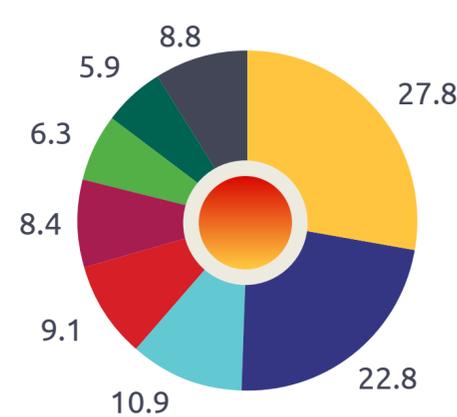
- Herradura
- Noche Buena
- Saucito
- San Julián
- Tizapa
- Ciénega
- Fresnillo
- Others

Silver (%)



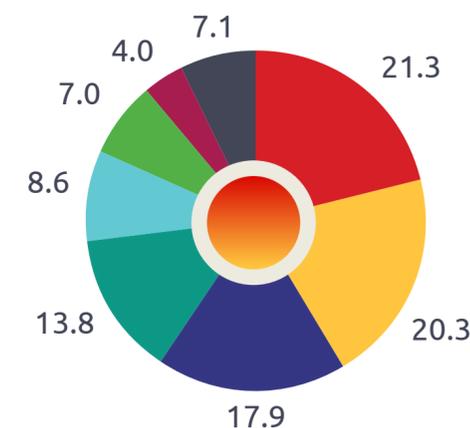
- San Julián
- Fresnillo
- Saucito
- Juanicipio
- Tizapa
- Ciénega
- Sabinas
- Others

Lead (%)



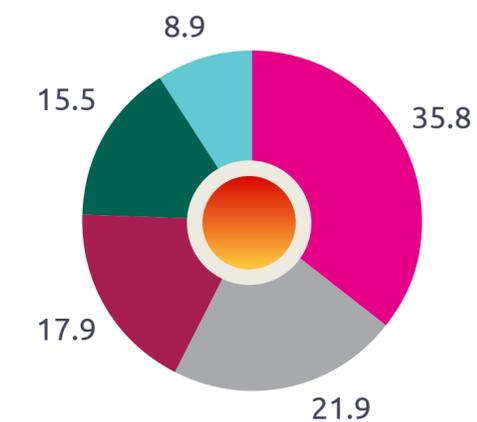
- Fresnillo
- Saucito
- Tizapa
- San Julián
- Sabinas
- Juanicipio
- Velardeña
- Others

Zinc (%)



- San Julián
- Fresnillo
- Saucito
- Juanicipio
- Sabinas
- Tizapa
- Ciénega
- Others

Copper* (%)



- Milpillas*
- Capela
- Sabinas
- Velardeña
- Tizapa

Note: Includes 100% production of the Juanicipio mining project.

* Copper cathode

Exploration

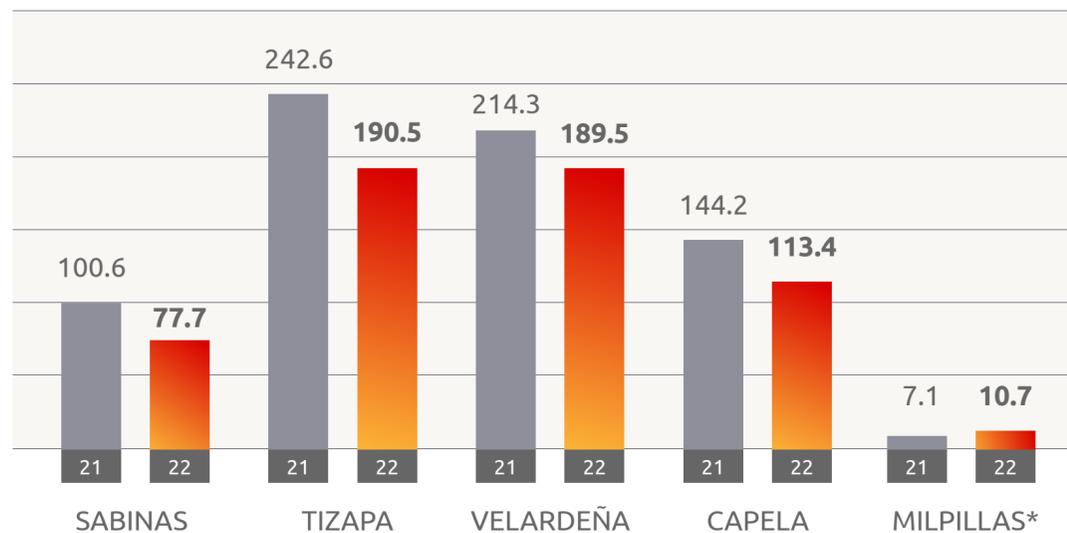
Mining

Metals

Chemicals

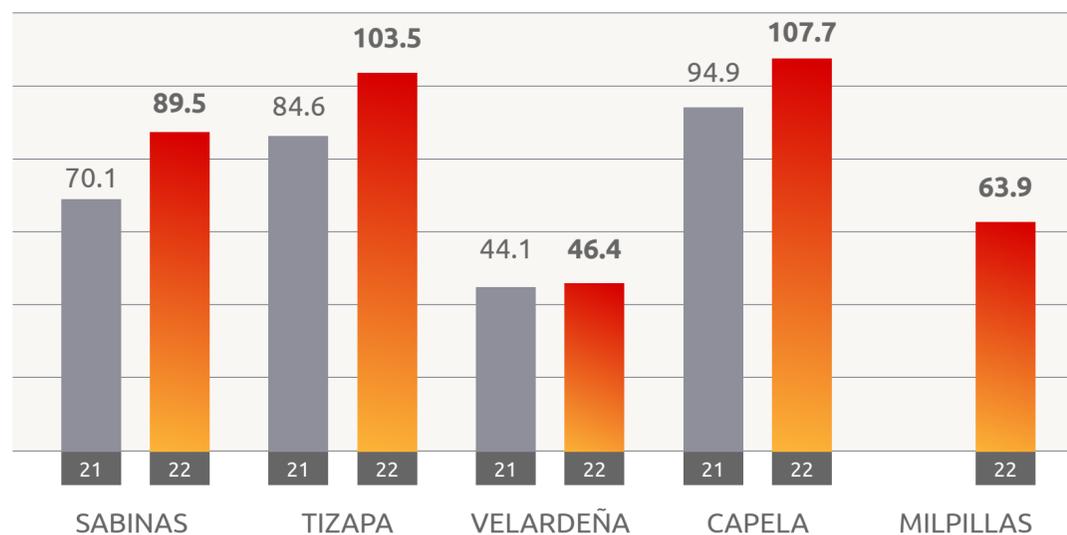
Highlights

Pounds equivalent ⁽¹⁾⁽²⁾ Mlb zinc and copper*

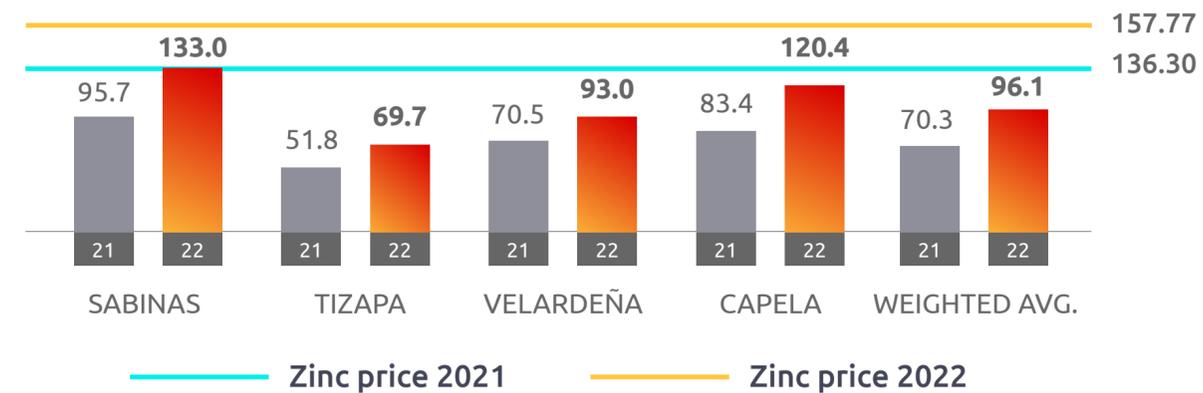


- (1) Equivalent pounds of zinc: total gross sales / average zinc price.
- (2) Equivalent pounds of copper: total gross sales / average copper price.

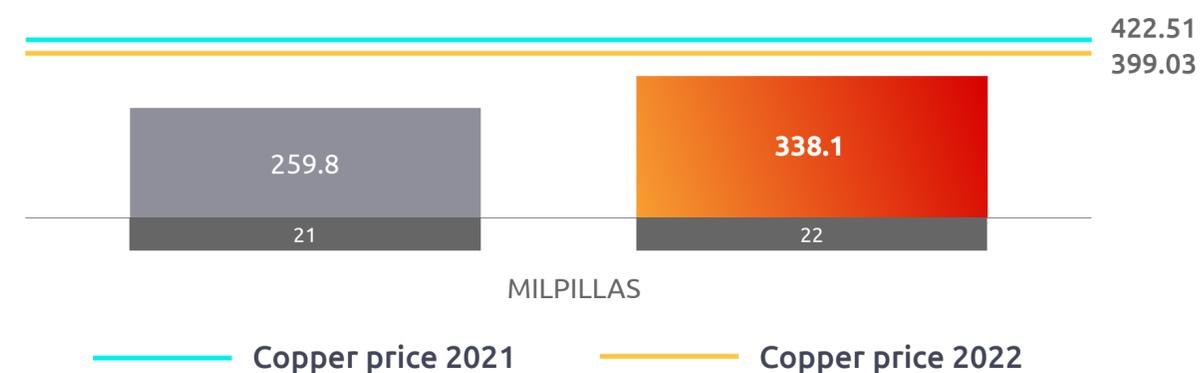
Unit costs US\$/t



Cash cost C1 (zinc) ⁽³⁾ US\$/lbe



Cash cost C1 (Copper) ⁽³⁾ US\$/lbe



(3) Cash cost = [Cost of goods sold (production cost – depreciation + - change in inventories) + sales expense (treatment charges, freights and deductions, extraordinary mining rights)] / equivalent pounds of zinc or copper.

Exploration

Mining

Metals

Chemicals

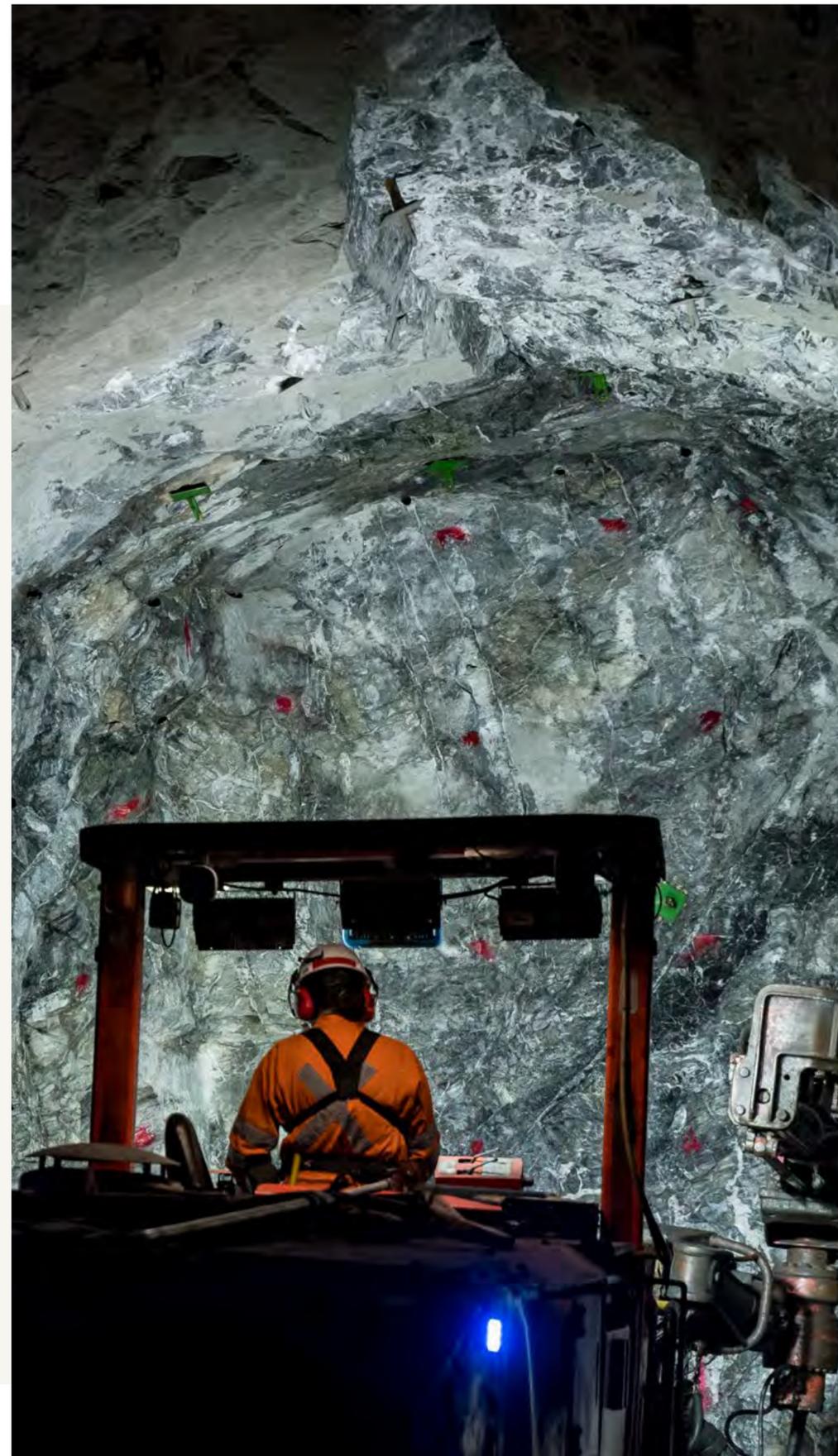
Highlights

PRODUCTION AND PERFORMANCE

Consolidated mining production—including 100% of payable production by Fresnillo plc—and the change against the previous year, was as follows:

	2022	2021	% Chge.
Ore milled and deposited (Mt)	46.3	45.2	2.4
Gold (oz)	704,008	811,992	-13.3
Silver (koz)	66,970	64,441	3.9
Lead (t)	78,241	78,758	-0.7
Zinc (t)	269,262	274,049	-1.7
Copper (t)	9,920	11,281	-12.1
Copper cathodes (t)	5,530	3,066	80.4

The mining units processed a total volume of 46.3 million metric tons of ore, 2.4% more than in 2021. The strongest increases were at Herradura and Milpillas, the latter due to a resumption of its activities, which had been suspended since 2020, followed by Fresnillo, which overcame the operating problems of the previous year; and Juanicipio, the ore from which was processed at the beneficiation plants operated by Saucito, and Fresnillo. The units that saw the steepest reduction in processed ore were Noche Buena—which is approaching the end of its operating life—and Saucito, due to various problems faced during the year, like the reduced availability of equipment and adjustments in the workforce to comply with the recent outsourcing reform. This latter factor also affected production volume at Sabinas, combined with a technical shutdown of the processing plants in December.



Total volume of ore processed in the mining units was 46.3 million metric tons, 2.4% higher than in 2021.

Annual gold production totaled 704,008 ounces, 13.3% less than the year before, due to the expected ore grade reduction at Herradura, and a lower recovery rate because the unit processed a higher proportion of sulphide material, mitigated in part by a higher volume of ore. Also contributing to the decline were the lower volumes processed with lower grades at Noche Buena and, to a lesser extent, at Saucito and Ciénega.

Silver production, with 67.0 million ounces, rose 3.9% against 2021, helped by an increase in ore processed with higher ore grades at Juanicipio and Fresnillo, mitigating for the expected drop in ore grade at San Julián Disseminated Body, which obtained a higher grade than planned last year, attributed to a positive change in the geological model and access to higher grade areas. Also, for Sabinas and Capela, due to a reduction in beneficiated ore with lower grade and recoveries in the latter, as well as Saucito and Tizapa, due to a lower volume of ore milled and processed.

Lead in concentrates saw a marginal change (-0.7%) with production volume of 78,241 metric tons, due to a reduction in milling and lower ore grades at Saucito and San Julián, offset in part by higher volume and better ore grades at Juanicipio and Fresnillo, along with better grades and higher recoveries at Sabinas and Tizapa.

Zinc content reached 269,262 metric tons of production—a slight 1.7% decline—resulting primarily from a lower volume of ore milled and processed, along with lower grade at Saucito, lower ore grades at Velardeña and San Julián, and lower milling at Tizapa and Capela, where recoveries declined. Juanicipio and Fresnillo made up for some of these shortfalls with an additional volume processed with better ore grades and recoveries and, to a lesser extent, higher grade and metallurgical recovery at Sabinas.

Copper in concentrates declined 12.1% to 9,920 metric tons of production, due to lower milling and ore processing with lower grade and recovery at Sabinas, lower ore grade and recovery at Velardeña, and lower beneficiated volume with lower ore grade at Tizapa. In contrast, copper cathodes, whose production rose significantly to 5,530 metric tons, was propelled by the resumption of operations at the Milpillas mine.

In financial performance, production costs for the Mining Division rose sharply over the previous year, primarily due to: (i) inflation in operating inputs; (ii) the resumption

of activity at Milpillas and startup of Juanicipio; (iii) an increased use of contractors for infrastructure and maintenance work and works on the tailings storage facilities to reinforce their operating safety; (iv) a higher volume of processed ore; and (v) higher consumption of some materials for operation—diesel for haulage trucks, among others. This, combined with the drop in net sales due to the combined effect of lower production—especially gold—higher treatment charges in the metallurgical business and lower prices on silver, lead and copper, compressed profit margins versus the previous year.

Considerable effort was made in the period to reinforce our High-Potential Management system in all of our mines, to prevent accidents and improve our safety performance. At each business unit, we identified and prioritized the most critical risks, worked on defining and implementing critical controls and used check sheets to make sure that high-risk work is done according to the highest safety standards. We encouraged visible onsite leadership and accountability in order to bring about a cultural change in safety matters. To ensure critical controls are followed, we developed gap plans with risk owners, which are deployed with

a set of preventive indicators. The main performance indicators we use are the Total Recordable Injury Frequency Rate (TRIFR) and the Lost Time Injury Frequency Rate (LTIFR). In 2022 we reviewed the criteria for rating and classifying the TRIFR with personal injuries to align them with those of the Occupational Safety and Health Administration (OSHA) and the International Council on Mining and Metals (ICMM).

We regularly conduct audits with the support of Baluarte Minero to calibrate our controls in three dimensions: risk management, behavioral management and incident management. This ensures that our strategy is deployed on site according to best practices.



Critical risks identified at the mining units for management by the High-Potential Management strategy

Loss of ground stability control/rockfall	Loss of equipment/vehicle control	Loss of control over distance between equipment/vehicle/persons	Loss of control of fuel/flammable materials (fire)	Loss of control in activities requiring electric power	Loss of control of explosives	Loss of balance control	Loss of control of chemicals	Loss of control in hoisting maneuvers	Uncontrolled release of energy

Mining unit highlights

VELARDEÑA Zinc

Ownership: 100% Peñoles

Operational: Since 2013

Location: Cuencamé, Durango

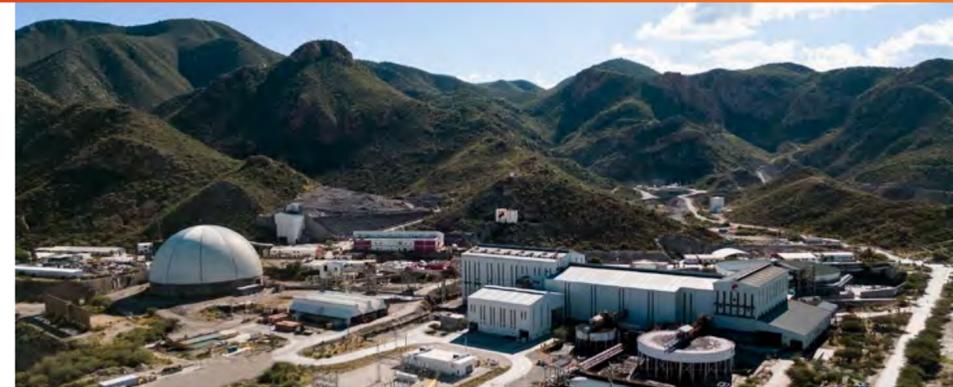
Operation type: Underground mine and beneficiation plant

Production capacity: Milling 2.8 Mt/yr

Reserves (proven and probable): 15 years

Investment in 2022: US\$ 19.4 M

Production	2022	2021	% Chge.
Ore milled (kt)	2,805	2,758	1.7
Content			
Gold (oz)	3,920	6,088	-35.6
Silver (koz)	837	776	7.9
Lead (t)	4,665	4,119	13.3
Zinc (t)	86,525	90,679	-4.6
Copper (t)	2,400	2,871	-16.4
Ore grade			
Gold (g/t)	0.14	0.23	-38.0
Silver (g/t)	14.74	14.71	0.2
Lead (%)	0.24	0.24	0.1
Zinc (%)	3.45	3.69	-6.6
Copper (%)	0.14	0.17	-13.4
Costs			
Cost per metric ton milled (US\$/t)	46.4	44.1	5.2
Pounds equivalent sold (M)	189.5	214.3	-11.6
Cash cost (US\$/lbe zinc)	93.0	70.5	31.9



Velardeña increased production and ore processing for the ninth year in a row, due primarily to optimization of the milling pace and maintenance programs. This partially offset the decrease in ore grades of zinc, gold and copper in operating stopes, as well as lower metallurgical recovery for copper, which limited the production of these elements. Silver and lead, conversely, increased production thanks to improvements in recovery. During the year, we began stripping ore from La Industria body, where the work on developing and preparing to mine this body will continue in 2023. La Industria has probable reserves totaling 1.7 million metric tons with average grades of 235 grams of silver and 3.15% of lead per metric ton.

In 2022, adjustments were made to the chemical scheme and flow diagram of the flotation plant, which translated into improvements in metallurgical recoveries and concentrate grades. Lead recovery, particularly, went from 63.2% in 2021 to 70.4% in 2022, and silver recovery, from 59.5% to 63.0%.

Gross sales totaled US\$ 299.5 million, 2.5% higher than in 2021, 83% of which came from zinc, 6% from copper, 6% from silver, and 5% from lead and gold. Expressed in equivalent pounds of zinc, however, sales dropped by 11.6% to 189.5 million, primarily due to the higher price of zinc. Production costs rose 7.4% due to a higher volume of ore milled and processed, inflation in the price of operating inputs, the cost of electricity and the assimilation of personnel in response to the reform on labor outsourcing. Additionally, unit costs per metric ton were driven higher by the greater distance between production areas

By meeting ISO-14001:2015 and ISO-45001:2018 standards, this unit earned three more years of certification for design, implementation and improvement of Comprehensive Management Systems.

and the acquisition of high-cost components for facility maintenance. Also, treatment charges for lead and zinc concentrates increased, which combined with higher costs and lower equivalent pounds sold, resulted in a 31.9% rise in cash cost. The unit cost per metric ton milled and processed rose by 5.2%.

We invested US\$ 4.3 million to generate ore reserves at La Industria ore body, including development of mining infrastructure and acquisition of machinery. A total of US\$ 2.0 million was invested in preparing reserves of 6.7 million metric tons at the Antares Norte and Antares Sur ore bodies. To maintain the productivity of the diesel fleet inside the mine, we acquired and rebuilt equipment at a total cost of US\$ 4.0 million. We also bought haul trucks for US\$ 0.9 million and invested US\$ 1.2 million in engineering for a new tailings storage facility (dam 4), to ensure the continuity of operations for the years ahead.

At tailings storage facility 3, work was done to raise the borders and maintain operation according to standards. The recommendations of the panel of experts are now 98.8% in place.

In terms of safety, the High-Potential Management was expanded with the introduction of specific check sheets for key activities and plans to reduce the identified gaps between risks and critical controls. The TRIFR was 4.40, according to the new calculation criteria aligned with the ICMM, and the LTIFR was 1.47, compared to 1.54 from the year before.

Exploration

Mining

Metals

Chemicals

Highlights

SABINAS

Polymetallic: zinc-lead-silver-copper

Ownership: 100% Peñoles

Operational: Under Peñoles management since 1995

Location: Sombrerete, Zacatecas

Operation type: Underground mine and two
beneficiation plants

Production capacity: Milling 1.3 Mt/yr

Reserves (proven and probable): 17 years

Investment in 2022: US\$ 28.5 M

Production	2022	2021	% Chge.
Ore milled (kt)	1,155	1,285	-10.1
Content			
Silver (koz)	2,688	3,134	-14.2
Lead (t)	6,611	5,802	13.9
Zinc (t)	15,219	14,452	5.3
Copper (t)	2,771	3,676	-24.6
Ore grade			
Silver (g/t)	80.38	86.29	-6.8
Lead %	0.87	0.71	22.7
Zinc %	1.75	1.53	14.1
Copper %	0.39	0.43	-9.2
Costs			
Cost per metric ton milled (US\$/t)	89.5	70.1	27.7
Pounds equivalent sold (M)	77.7	100.6	-22.8
Cash cost (US\$/lbe zinc)	133.0	95.7	38.9



Sabinas faced several challenges in 2022: high rates of absenteeism in the early months of the year due to a new round of COVID-19 contagion; adjustments to the workforce; and the reduced availability of mining equipment. These factors delayed scheduled backfill work on the stopes and reduced ore extraction, in addition to instability problems in some areas of the mine that required reinforcement. Due to lower ore production and a technical shutdown of the beneficiation plants in December, Sabinas processed 10.1% less ore in 2022 than in 2021.

Silver and copper content declined, both because of the reduction in milling and lower ore grades in mining resource zones, and a higher dilution rate resulting from the use of the longhole drilling method. The drop in silver content was partially offset by better metallurgical recovery, but recoveries of copper were lower because of difficulties in the separation circuit relating to high lead grade. In contrast, zinc and lead production grew as a result of better ore grades and metallurgical recoveries, which mitigated the lower processed volume.

In line with the strategy of profitability and continuous improvement of value levers, a comprehensive optimization was carried out for Plant 1, with a change in circuits between lead and zinc, the startup of a vertical roller mill and the installation of a fine-particle flotation cell, which involved an investment of US\$ 0.8 million. At Plant 2, sequential flotation work was done incorporating a pulp thickening tank and an additional cell bank for the lead circuit cleaning phase. These efforts brought an improvement in metallurgical recoveries of silver—from 87.9% to 90.1%—; lead—from 63.4% to 65.6%— and zinc—from 73.4% to 75.4%.

For a second time, Bureau-Veritas ratified its ISO-45001:2015 certification for another three years.

Other investments made to meet production budgets for the year were: US\$ 5.5 million for the purchase and reconstruction of mining equipment to maintain productivity; US\$ 2.7 million for a fleet of trucks to haul ore and transport personnel; and US\$ 2.5 million to develop infrastructure and excavation work to prepare four ore bodies. Another US\$ 5.6 million were invested in reinforcing tailings dam 4, and US\$ 0.8 million to engineer a new storage facility to guarantee operational continuity.

Gross sales totaled US\$ 122.8 million, down 10.4% from 2021. Of these, 38% came from silver, 35% from zinc, 17% from copper and the remaining 10% from lead.

In pounds of zinc equivalent, sales totaled 77.7 million, 22.8% below 2021, primarily due to lower production and price of silver and a higher price of zinc—the denominator in the conversion of sales to pounds equivalent. Production costs rose, mainly in equipment maintenance inside the mine; contractor works carried out on the tailings storage facilities to comply with new operating standards; human capital, due to the assimilation of new personnel; energy, due to increased diesel consumption, and operating materials, due to the higher price and consumption of reagents in the flotation process, anchors for reinforcing safety, and milling balls. As a result, both the cost per metric ton milled and cash costs rose by 27.7% and 38.9%, respectively, relative to 2021.

In terms of safety, the High-Potential Management indicators for 2022 were 15.07, based on the ICMM criteria for TRIFR, and 4.76 for LTIFR. During calibration audits to bolster critical controls, the check sheets were modified, and an in-depth rockfall risk audit was conducted, with interdepartmental measures identified to reduce such events.

Exploration

Mining

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TIZAPA

Polymetallic: zinc-lead-copper-silver-gold

Ownership: 51% Peñoles, 39% Dowa Mining and 10% Sumitomo Corporation

Operational: Since 1994

Location: Zacazonapan, Estado de México

Type of operation: Underground mine and beneficiation plant

Production capacity: Milling 980 kt/yr

Years of reserves (proven and probable): 8 years

Investment in 2022: US\$ 18.6 M

Production	2022	2021	% Chge.
Ore milled (kt)	921	984	-6.4
Content			
Gold (oz)	37,592	39,751	-5.4
Silver (koz)	5,728	5,991	-4.4
Lead (t)	8,514	8,299	2.6
Zinc (t)	37,770	40,129	-5.9
Copper (t)	1,372	1,526	-10.1
Ore grade			
Gold (g/t)	1.48	1.47	0.4
Silver (g/t)	209.35	205.17	2.0
Lead %	1.25	1.17	7.2
Zinc %	5.04	5.03	0.2
Copper %	0.33	0.34	-4.4
Costs			
Cost per metric ton milled (US\$/t)	103.5	84.6	22.4
Pounds equivalent sold (M)	190.5	242.6	-21.5
Cash cost (US\$/lbe zinc)	69.7	51.8	34.8

Tizapa maintained
ISO 14001:2015
recertification.



This unit milled and processed 6.4% less ore volume than in 2021, due to a slower pace of extraction attributable to personnel absenteeism, particularly in the second half of the year. This negatively affected annual production of metallic contents, we took containment measures to restore productivity by the end of the year. Higher ore grades, except for copper, along with better metallurgical recoveries, partially mitigated the impact of the shortfall in processed ore which, in the case of lead, was fully offset. Processes were optimized to boost zinc recovery by adjusting the flotation circuit, and a program to change new-technology primary cells began. With this, recovery of this element improved from 81.1% to 81.4%.

Gross sales in the year fell 8.9% to US\$ 301.2 million, 38% of which were silver, 33% zinc, 20% gold, 5% lead and the remaining 4% copper.

Installation of a tailings thickening tank was completed during the year, to increase recovery of primary-use water and reduce fresh-water consumption, which is scheduled to start up on early 2023. Annual investment in this US\$ 5.9 million, 4-year project was US\$ 1.2 million.

Another US\$ 5.7 million were invested in purchasing and rebuilding heavy mobile equipment to maintain operating productivity, along with US\$ 1.5 million in purchasing haul trucks.

Regarding the mine preparation, at the end of the year with 1.9 million metric tons of mineral, the mine was prepared for two years of extraction.

A total of 190.5 million pounds of zinc equivalent were sold, a decline of 21.5% from the previous year, due to lower production and sales of content and to lower metal prices, except for zinc. Production costs rose at the same time: in human capital; in maintenance, due to the change of components in heavy equipment; in operating materials, chiefly due to mine support; in contractors, due to development and infrastructure work; and in energy, due to the rise in electricity prices. With all of this, the cost of milling and cash cost per metric ton rose by 22.4% and 34.8%, respectively, over 2021.

Regarding safety performance at this mine, the TRIFR was 18.64 according to the new calculation in line with the ICMM methodology, and the LTIFR was 8.12.

Exploration

Mining

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Chemicals

Highlights



CAPELA

Polymetallic: zinc-lead-silver-copper-gold

Ownership: 100% Peñoles

Operational: Since 2020

Location: Teloloapan, Guerrero

Operation type: Underground mine and beneficiation plant

Production capacity: Milling 1.48 Mt/yr

Reserves (proven and probable): 15 years

Investment in 2022: US\$ 28.8 M

Production	2022	2021	% Chge.
Ore milled (kt)	1,302	1,386	-6.1
Content			
Gold (oz)	23,158	19,441	19.1
Silver (koz)	2,594	3,173	-18.2
Lead (t)	3,335	3,438	-3.0
Zinc (t)	27,042	28,578	-5.4
Copper (t)	3,377	3,208	5.2
Ore grade			
Gold (g/t)	1.22	1.00	22.4
Silver (g/t)	97.21	99.29	-2.1
Lead %	0.59	0.61	-4.6
Zinc %	2.87	2.78	3.1
Copper %	0.60	0.54	10.5
Costs			
Cost per metric ton milled (US\$/t)	107.7	94.9	13.5
Pounds equivalent sold (M)	113.4	144.2	-21.3
Cash cost (US\$/lbe zinc)	120.4	83.4	44.4

A number of challenges affected the performance of the Capela during 2022. These included various blockages, interruption of longhole drilling work at the mine, and a reduced availability of equipment. We defined a strategy to restore the pace of ore milling and processing, although a series of technical shutdowns are scheduled for 2023 given the limited availability of water for processing. In order to resolve this situation, we began the construction of a storage tank, and intensified geo-hydrological studies to decide on actions that ensure a sustainable supply of water.

Gold, copper and zinc grades improved, but this was not the case for lead and silver. Efforts continued to improve metallurgical recoveries, and as the result of some in-house research, with the support of an external consultant, the reagent dosing process was automated and the flotation process modified. These actions succeeded in improving selectivity in the lead-copper circuit and raised the lead recovery rate from 40.5% to 43.8%, and copper recovery from 42.6% to 43.2%. Gold recovery rate improved from 43.6% to 45.2%, while that for silver dropped from 71.7% to 63.8%, the result of a chemical scheme introduced to control zinc activation. To improve this situation, research continues supported by an external consultant. We acquired a gravimetric concentrator to improve gold value recovery, which will start up operation in 2023.

In terms of mine preparation, the year ended with 1.39 million metric tons of ore ready for production, close to the target of one year of operation at the pace of the plant's current milling capacity.

Capela faced several challenges that limited its operations, so that expected production could not be achieved. We implemented a strategy to recover the working pace and leverage its installed capacity.

Among the largest investments were the acquisition of a filter for dry tailings for US\$ 7.6 million to increase water recovery in the metallurgical flotation process and change in the tailings disposal method. US\$ 2.9 million were invested in developing infrastructure works and mine ventilation and in optimizing haulage circuits; US\$ 2.3 million in purchasing and rebuilding mining equipment; and US\$ 1.0 million in building the north slope of the tailings storage facility, along with its instrumentation and monitoring, and engineering for a new tailings deposit.

Gross sales totaled US\$ 179.3 million, 8.8% lower than in 2021. These were composed of revenues from zinc (42%), silver (24%), copper (16%), gold (14%) and lead (the remaining 4%). Converted to pounds of zinc equivalent, sales decreased to 113.4 million (-21.3%). Production costs were higher primarily in contractors, for the development of infrastructure and mine support; maintenance for heavy mobile equipment and specialized services; operating material necessary to place more anchors to keep up safety standards within the mine, and higher prices on operating inputs; and human capital, related to personnel bonuses. All of this raised the cost per metric ton of ore milled by 13.5%, while the cash cost increased 44.4% due to higher costs, lower ore processing, and fewer pounds equivalent sold.

As in the other mining units, Capela continued to apply the new High-Potential Management system to improve safety performance. Capela was the first unit to incorporate the seventh critical risk into its management. It also continued to implement critical control verification tools and leadership practices. The TRIFR was 9.46 and, the LTIFR, 3.27.

Exploration

Mining

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MILPILLAS

Copper cathodes

Ownership: 100% Peñoles

Operational: From 2006 to 2020, with operations resumed in 2022

Location: Santa Cruz, Sonora

Operation type: Underground mine, leaching pads and electrolytic plant

Production capacity: 45 kt copper cathode /yr

Reserves (proven and probable): 2 years

Investment in 2022: US\$ 1.7 M

Production	2022	2021	% Chge.
Deposited ore (kt)	895	-	
Cathode			
Copper cathode (t)	5,530	3,066	80.4
Ore grade			
Copper (%)	0.79	-	
Costs			
Cost per metric ton milled (US\$/t)	63.9	-	
Pounds equivalent sold (M)	10.7	7.1	50.9
Cash cost (US¢/lbe copper)	338.1	259.8	30.1

In June 2022, extraction activities were resumed at the Milpillas mine, after having been suspended in 2020 due to the steep drop in copper prices, high operating costs and low ore grades. The unit produced cathodes in 2021 recovering copper values from the leaching ore before the shutdown. Last year, however, a positive outlook for the price of the red metal supported the decision to resume ore production, the plan being to exploit all the prepared reserves until they are exhausted. During the operating months of the year, the necessary infrastructure was developed inside the mine to access production stopes and gradually increase the pace of ore extraction, crushing and deposit in the leaching pads.

These activities resulted in deposit of 895,000 metric tons of mineral with an average grade of 0.79%—in line with our expectations—which together with the existing inventory allowed for a sharp increase in annual copper cathode production, to 5,530 metric tons. The mine also continued the strategy of maximizing copper value recovery and improving its concentration in rich solution by maintaining slopes, optimizing the irrigation process and moving deposited mineral.

Milpillas resumed ore extraction and deposit after suspending operations in 2020.

Gross sales of copper totaled US\$ 34.8 million, 14.0% higher than in 2021 due to higher sales volume, offset in part by a lower average price of copper. In pounds of copper equivalent, sales totaled 10.7 million, compared to 7.1 million in 2021. The resumption of mining activities meant additional production costs, above all for the contractors needed to develop infrastructure, for human capital, operating materials and energy. The cost per metric ton milled was US\$ 63.9 and the cash cost was US¢ 338.1 per equivalent pound of copper, the result of extraordinary costs in the period, which should diminish as copper cathode production grows.

Looking at Milpillas' safety record, the High-Potential Management indicators were 3.68 for the TRIFR and 2.21 for LTIFR. We deeply regret to report one fatality during the year, due to rockfall, which required a multidisciplinary investigation to identify where critical controls failed. We are working intensively on reinforcing the critical control check sheets and implementing them in the field with contractor companies, determined to improve the quality of onsite critical control verification and effectively prevent high-potential accidents.





VALUE CREATION PROJECTS

From 2009 to 2022, 292 value creation projects were developed and 42% of them were successful. On average, 200 employees have been recognized each year for their achievements in creating value.

In accordance with our philosophy of teamwork and the priority to implement projects that can improve key administrative processes by ensuring proper documentation and metric-setting, in 2022, 47 value creation projects were developed at mining units operated by Peñoles under the Six Sigma methodology. Value creation projects are defined based on Management Systems, a competitiveness analysis, and their alignment with our Strategic Plan. With the involvement of our non-unionized personnel, these were the most notable benefits obtained:

Velardeña

Safety, increased milling, tailings storage facility, comprehensive management system, longhole drilling productivity, development of La Industria.

Tizapa

Increased zinc recoveries, improved mine content, preparation of reserves, personnel productivity, reduced rockfalls, environmental performance, Intelligent Mine.

Sabinas

Increased recoveries, availability of diesel equipment, optimization of lead-copper separation, assurance of ore reserves, reduced rockfalls.

Capela

Safety, optimization of lead-copper separation, reduced operating damage to diesel equipment, Comprehensive Management System, planning efficiency, labor modernity.

Milpillas

Production of copper content, ore extraction, efficiency and costs.

INTELLIGENT MINE

Our Intelligent Mine strategy is aimed at boosting productivity and safety in our operations by automating operating processes using state-of-the-art technology. In 2022, multidisciplinary teams continued to deploy this strategy, which included the following actions.

BLASTING PROCESS OPTIMIZATION

XControl software was installed in all units to optimize the consumption of explosives, ensure compliance with the regulations and reinforce personnel safety measures. For the latter, we also began a remote blasting system at Tizapa and Capela and are in the process of introducing it at Velardeña and Sabinas. We are also monitoring the vibrations caused by this process to control the risk to subsequent work within the mines.

MINE INFORMATION MANAGEMENT SYSTEM

At Tizapa, Velardeña and Capela, we installed operational monitoring systems for low-profile, scoop trams and jumbo trucks (Epiroc and Sandvik brands). With this, through the Center for Safe Operations, we were able to observe in real time the performance of key vehicle operation variables, increasing their efficiency and availability, and continuing the direct integration of the information to the Mine Information Management System and MAXIMO, both to allow operating management of mine processes and for maintenance purposes.

ADVANCED CONTROL OF PROCESSING PLANTS

To improve the efficiency of the beneficiation process, we began installing an advanced control application in the Capela milling area, which will

subsequently be installed in the flotation and thickening areas. This application is expected to improve the quality and quantity of concentrates produced by the unit, and increase recoveries of water in the thickening process.

VEHICLE SAFETY

To reinforce the safety, we continued installing sleep and fatigue sensors in the vehicles for real-time monitoring of personnel transport operators at Sabinas and Tizapa, and for haul trucks at these units and at Velardeña. We also started up a new system to prevent accidents involving heavy vehicles and personnel at the Velardeña mine, which will be replicated in the rest of our mining units.

HAULAGE

We began a pilot test for monitoring ore haulage in real time at Sabinas to make this process more efficient and support prompt decision making, with good results.



TAILINGS STORAGE FACILITIES

We made substantial progress in tailings facilities for complying with the recommendations of the panel of independent experts.

Our strategy for comprehensive tailings management is based on adoption of best engineering practices and the international principles of the International Commission on Large Dams (ICOLD), the Canadian Dam Association (CDA), the Mining Association of Canada (MAC) and the International Council on Mining and Metals (ICMM); as well as a solid governance structure that establishes roles, skills, responsibilities and accountability, supported by a panel of independent experts. Our goal is to apply technologies, controls, practices and methods in all our tailings facilities throughout their lifecycle, even after their closure, to ensure safe and responsible handling of mineral waste and avoid damage to neighboring communities and the environment. Our independent review process involves an Independent Tailings

Review Panel, dam safety inspections by the registered engineer and dam safety inspections by independent reviewers.

This year we made substantial progress in mining operations to comply with the panel's recommendations: Capela, Tizapa and Sabinas are now at 100% in place; at Velardeña is 98.8% complete. We also updated the inventory of tailings storage facilities, finding that 71% of the facilities of the Mining Division—including Fresnillo plc—are in the inactive phase of care and maintenance, while 12 facilities are in active operation.

As the result of all these efforts, in external reviews on risk matters by insurance companies our final grade improved by 9.6%, from 82% to 91% on average for all the mining units inspected.



FRESNILLO PLC

The Juanicipio silver-gold mining unit in Zacatecas formally started operations.

Attributable production*	2022	2021	% Chge.
Ore milled and deposited (kt) ⁽¹⁾	38,542	38,515	-
Content			
Gold (oz)	635,926	751,203	-15.3
Silver (koz)	51,052	49,961	2.2
Silverstream ⁽²⁾ (koz)	2,688	3,134	-14.2
Lead (t)	52,950	56,573	-6.4
Zinc (t)	99,153	99,397	-0.2

* Attributable production in 2022 incorporates 56% of production from Juanicipio (5,180 koz of silver, 12,461 oz of gold, 2,755 t of lead and 4,521 t of zinc).

⁽¹⁾ Not including development ore from Juanicipio nor the iron ore processed at the Saucito Pyrites plant.

⁽²⁾ Under the Silverstream contract, Fresnillo plc has the right to receive the revenues—before treatment and refinery fees—less US\$ 5.0 per ounce—plus inflation since 2013—from the payable silver produced by Sabinas.

Fresnillo plc, a subsidiary in which Peñoles maintains a 74.99% interest, is listed independently on the London Stock Exchange and the Mexican Stock Exchange. It operates eight mines in Mexico, which produce primarily precious metals—gold and silver—and is the largest primary producer of silver in the world and the leading gold producer in Mexico.

The volume of ore processed at Herradura in 2022 was 22.2 million metric tons, a 9.3% growth compared to 2021, as a result of positive changes in the geological model. At Noche Buena, however, the volume of ore deposited, 7.4 million metric tons, decreased by 17.4%, as this unit is approaching the end of its useful life.

Ore milled and processed at the underground mine plants—excluding Juanicipio, which continued to send its ore for beneficiation at Fresnillo and Saucito, and Saucito's Pyrites plant in 2022—was down by 3.1%; at Saucito, mainly due to isolated factors like the reduced availability of equipment and lower productivity as new employees were being trained, in response to the reform on labor outsourcing. This also affected ore production at Ciénega. The Fresnillo unit meanwhile increased ore production and beneficiation after overcoming the operating restrictions that affected production in 2021.

Attributable gold production was 15.3% lower than in 2021, primarily because of lower recovery rate in Herradura, as more sulfide mineral was processed with lower grade, although this was partially mitigated with higher ore processing. The decrease in ore production and grades at Noche Buena and, to a lesser extent, in Saucito and Ciénega, also contributed to declining gold production.

Attributable silver production, excluding the Silverstream contract, grew by 2.2%, helped by the contribution from Juanicipio and higher volume of ore processed with better ore grade and recovery at Fresnillo. These units made up for the lower production of San Julián (Disseminated Ore Body) due to lower ore grade, and inferior volumes of ore processing at Saucito and Ciénega.

As regards base metals—which are byproducts for Fresnillo plc—attributable volume of lead was 6.4% lower than in 2021 due to a reduction in processed ore and lower ore grade at Saucito, as well as lower grade at San Julián (Disseminated Ore Body). This was mitigated by higher ore production and better grade at Fresnillo, and an increased contribution from Juanicipio. Attributable zinc production saw only a marginal change (-0.2%).

In December, the additional tests required by the CFE and CENACE were completed to check the compatibility of the new and updated substations installed at the Juanicipio gold-silver project in Zacatecas with the older CFE infrastructure. Once this was done, the entire system was energized and operations started in this mining unit—a 56-44% joint venture between Fresnillo plc and Mag Silver Corp—whose construction was completed in late 2021. The production ramp up will take place gradually, with the aim of reaching nameplate capacity by the second quarter of 2023. Once the commissioning process is complete, ore will be processed at the Juanicipio beneficiation plant, although it can also continue to be processed at the nearby Saucito and Fresnillo plants, if necessary. The Juanicipio mine is the next major growth project for Fresnillo plc, with an expected annual production of 11.7 million ounces of silver and 43,500 ounces of gold, on average.

Meanwhile, at the close of 2022 the Pyrites II project still awaits connection to the national power grid to commence operations. This project consists of a flotation plant at Fresnillo with a daily processing capacity of 14,000 metric tons to recover gold and silver values from old and new tailings, and will complement the Pyrites I plant at Saucito—in operation since 2018. Together both plants will add 3.5 million ounces of silver and 13,000 ounces of gold to annual production. The plant is expected to be connected by the end of the first quarter of 2023, with startup to take place immediately after.

RESERVES

In 2022 we carried out 80,230 meters of diamond drilling at Peñoles-operated mines, in order to ascertain to proven blocks of reserves and generate mineral resources to ensure operating continuity.

An estimation of ore resources and reserves was conducted in January 2022 to support budget and operating plans for the year. To enhance the certainty of these estimates, mineral reserves and resources were calculated according to best industry practices, following the guidelines of the International Code of the Joint Ore Reserves Committee (JORC version 2012). Additionally, the Datamine Mineable Shape Optimizer (MSO) System was used in estimating reserves, allowing us to locate economic blocks of mineable reserves more precisely. The calculation processes were audited both by an independent consultant and by our own internal audit area.

The price assumptions used in the calculation correspond to Peñoles' long-term projections, with no variations compared to those used in 2021 for silver at US \$18.50/ounce, lead at US\$ 90.00/pound, and zinc at US\$ 1.10/pound. Gold price was lower at US\$ 1,450.00/ounce (-1.7%), and copper was higher at US\$ 3.30/pound (+6.4%). Estimated resources and reserves were equivalent to 31 and 15 years of mine life, respectively, at the projected

pace of production in five years—compared to 38 and 12 that were calculated in the 2021 assessment.

The volume of mineral reserves had a slight variation (-749,000 metric tons from 2021). The mines where reserves grew were Sabinas (4.0 million metric tons) and Naica, where operations remain suspended (1.7 million metric tons). Capela and Velardeña saw a reduction in reserves amounting to 4.5 and 1.7 million metric tons, respectively, while the change at Tizapa was a marginal reduction of -260,000 metric tons.

The main factor behind the reduction in economic reserves was the rise in projected operating costs, and as a result, a higher cutoff grade. This was offset by lower treatment charges for zinc and lead concentrates, and higher charges for copper concentrates. Furthermore, good results from diamond bit-drilling supported the conversion of resources to reserves at Sabinas, while the interpretation of geological models at Capela, Velardeña and Tizapa reduced metric tons of reserves but increased their certainty.

Metal contents and the change in Peñoles' proven and probable reserves, including Fresnillo plc, were as follows:

Consolidated reserves*	2022	2021	% Chge.
Gold (koz)	9,360	9,277	0.9
Silver (koz)	626,970	653,453	-4.1
Lead (kt)	1,510	1,476	2.3
Zinc (kt)	5,319	5,427	-2.0
Copper (kt)	364	387	-5.9

* Includes 56% of the reserves at the Juanicipio mine. Does not include reserves at Bismark or Madero, where operations were closed

The table on the next page presents estimated ore grade in reserves.



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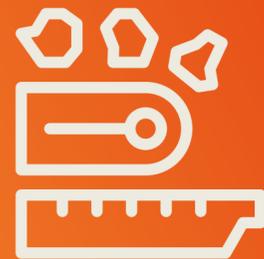
PROVEN AND PROBABLE RESERVES

FRESNILLO PLC RESERVES						ORE GRADE IN RESERVES				
						2022				
Mine	Participation	Ore processed (kt)		Total reserves (kt)		Gold	Silver	Lead	Zinc	Copper
		2021	2022	2021	2022	(g/t)	(g/t)	(%)	(%)	(%)
PRECIOUS METALS										
Underground										
Minera Fresnillo ⁽¹⁾⁽³⁾	75	2,216	2,462	13,224	11,779	0.77	241.90	1.22	3.51	
Ciénega ⁽¹⁾⁽³⁾	75	1,282	1,114	5,402	4,668	1.96	210.58	0.87	1.31	
Saucito ⁽¹⁾⁽³⁾	75	2,434	2,073	17,721	13,662	1.17	263.97	1.36	2.27	
San Julián Veins ⁽¹⁾⁽³⁾	75	1,203	1,176	5,310	5,629	1.62	252.47			
San Julián Disseminated ⁽¹⁾⁽³⁾	75	2,071	2,093	6,338	5,871	0.09	147.97	0.49	1.14	
Juanicipio ⁽²⁾⁽³⁾	42	252	646	9,089	9,129	1.53	283.90	2.38	4.27	
Open pit										
Herradura ⁽¹⁾⁽³⁾	75	20,312	22,195	240,601	240,847	0.80				
Noche Buena ⁽¹⁾⁽³⁾	75	8,997	7,428	13,727	6,034	0.48				

(1) As of May 31, 2022. Proven and probable reserves in thousands of metric tons, on a 100% basis. Audited figures.
(2) As of May 31, 2022. Proven and probable reserves in thousands of metric tons, on a 56% base. Audited figures.
(3) Reserve calculation in 2022 considered the following prices: gold US\$/oz 1,450.00; silver US\$/oz 18.50; lead US\$/lb 90 and zinc US\$/lb 1.15.

PEÑOLES RESERVES						ORE GRADE IN RESERVES				
						2022				
Mine	Participation	Ore processed (kt)		Total reserves (kt)		Gold	Silver	Lead	Zinc	Copper
		2021	2022	2021	2022	(g/t)	(g/t)	(%)	(%)	(%)
BASE METALS										
Underground										
Velardeña ⁽⁴⁾⁽⁵⁾	100	2,758	2,805	42,777	41,078	0.08	14.56	0.19	3.34	0.20
Sabinas ⁽⁴⁾⁽⁵⁾	100	1,285	1,155	18,123	22,115		102.93	1.18	2.00	0.29
Tizapa ⁽⁴⁾⁽⁵⁾	51	984	921	8,320	8,061	1.26	196.52	1.16	4.68	0.23
Capela ⁽⁴⁾⁽⁵⁾	100	1,386	1,302	25,284	20,788	1.13	87.77	0.67	2.99	0.77
Milpillas ⁽⁴⁾⁽⁵⁾	100		895	4,007	4,007					0.81
Naica ⁽⁴⁾⁽⁵⁾⁽⁶⁾	100			8,679	10,391	0.01	86.38	3.10	12.16	0.05

(4) As of January 31, 2022. Proven and probable reserves in thousands of metric tons, on a 100% basis. Audited figures.
(5) Reserve calculation in 2022 considered the following prices: gold US\$/oz 1,450.00; silver US\$/oz 18.50; lead US\$/lb 90; zinc US\$/lb 1.10 and copper US\$/lb 3.30.
(6) Operations at these mining units are suspended.



Efforts continue to normalize operations at the zinc plant. Through process controls, metallurgical recovery has improved.

METALS

Our metallurgical operations process complex concentrates and other materials from our own mines, our subsidiaries and other mining shippers to produce refined metals with high quality and purity, special alloys and other products useful for industry and society.

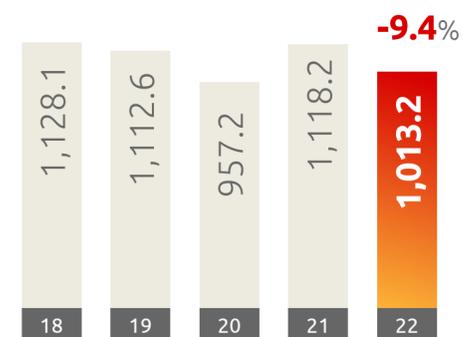
This Metals Division comprises a metallurgical complex located in Torreón, Coahuila, which produces refined gold, silver, lead and zinc; the Aleazin plant in Ramos Arizpe, Coahuila, which manufactures specialty zinc alloys; and the Bermejillo plant in Durango, where byproducts are processed for producing copper sulfate, zinc sulfate and antimony trioxide. Together, these plants constitute the company Metalúrgica Met-Mex Peñoles (Met-Mex), one of the largest and most important metallurgical complexes in the world.

Met-Mex is the world's top producer of refined silver, the leading producer of refined gold and primary lead in Latin America, as well as the world's thirteenth largest producer of refined zinc.

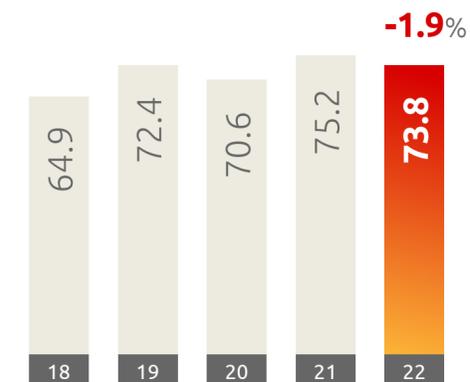
Metals production



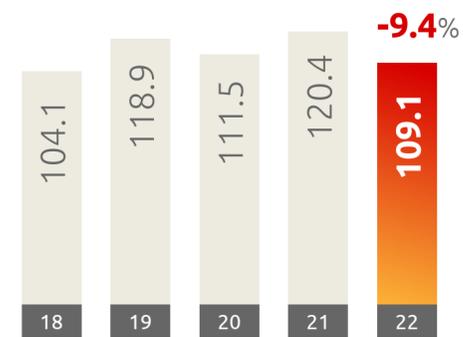
Gold koz



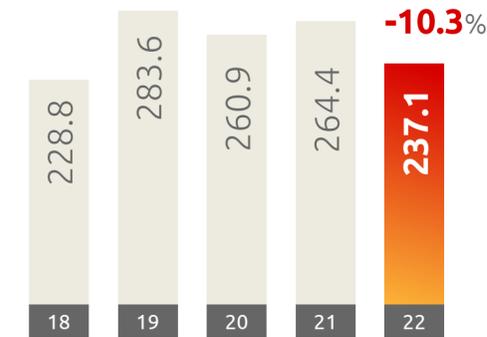
Silver Moz



Lead kt



Zinc kt

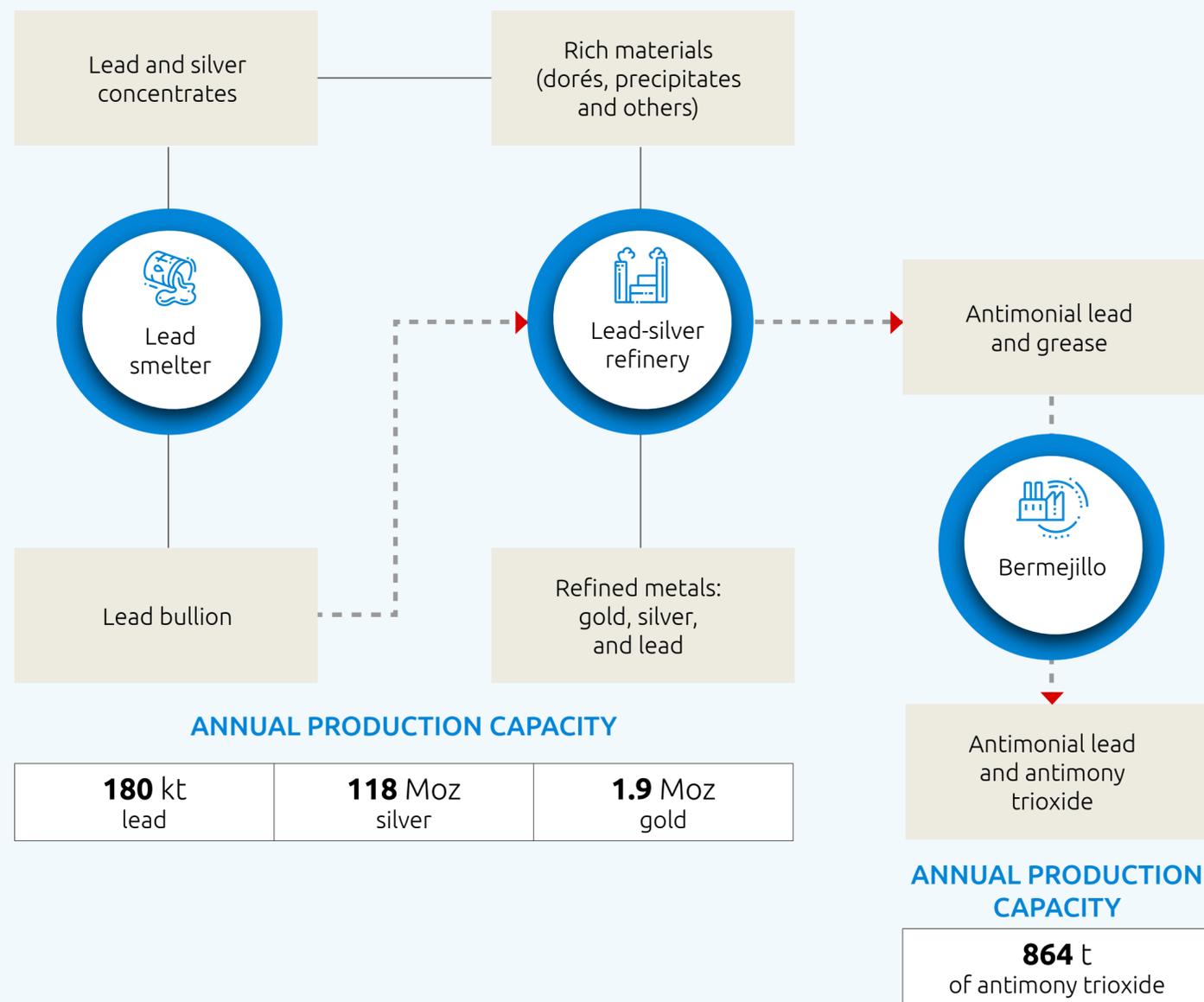


Met-Mex has two primary circuits:

Lead-silver circuit

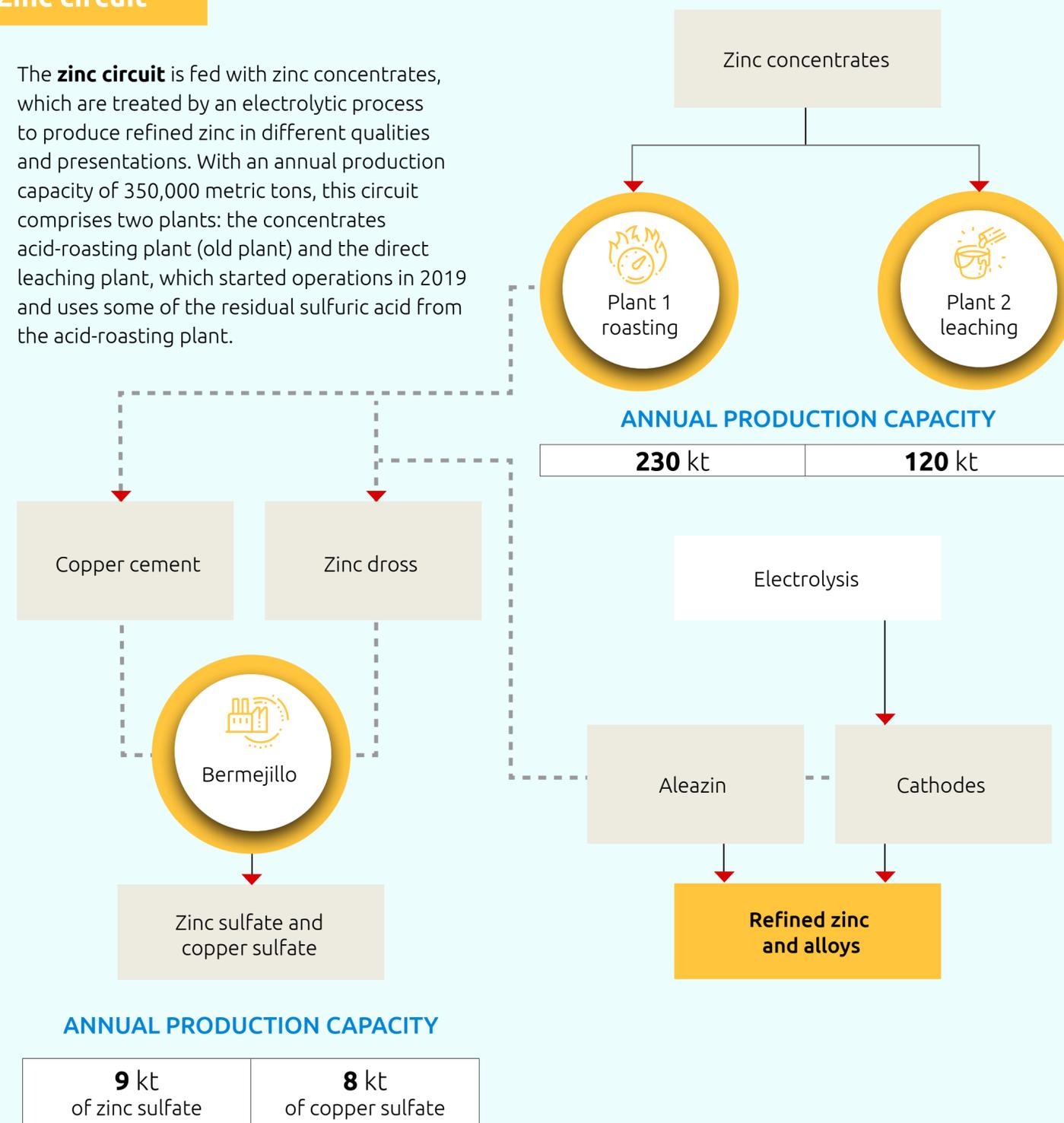
The **lead-silver circuit**, comprising the lead smelter, where lead-silver concentrates are processed to produce lead bullion, and the lead-silver refinery, which receives both the

lead bullion and dorés, precipitates and other materials rich in metal contents to produce refined gold, silver and lead.



Zinc circuit

The **zinc circuit** is fed with zinc concentrates, which are treated by an electrolytic process to produce refined zinc in different qualities and presentations. With an annual production capacity of 350,000 metric tons, this circuit comprises two plants: the concentrates acid-roasting plant (old plant) and the direct leaching plant, which started operations in 2019 and uses some of the residual sulfuric acid from the acid-roasting plant.



PRODUCTION AND PERFORMANCE

The production of the leading refined metals and their change from the previous year was as follows:

	2022	2021	% Chge.
Gold (koz)	1,013	1,118	-9.4
Silver (koz)	73,818	75,230	-1.9
Lead (t)	109,060	120,355	-9.4
Zinc (t)	237,127	264,366	-10.3

The metallurgical business faced a number of challenges during the year that resulted in lower production of refined metals compared to the year before. In the lead-silver circuit, difficulties in achieving the right balance of concentrate mixtures triggered operating failures in our furnaces and corrective shutdowns. There was a fatal accident at the lead smelter toward the end of the year, which we deeply regret. We immediately applied safety protocols and had a detailed root-cause analysis conducted by an independent team so we could take the necessary actions, strengthen critical controls and prevent further accidents.

The zinc plant continued to normalize operations, specifically in the electrolysis area, where a program for replacing damaged anodes continues and is expected to be complete in the first quarter of 2023.

As for our economic performance, treatment and refining charges—which are pegged to international standards and adjusted each year—improved for zinc concentrates and, to a lesser extent, for lead ones, but this was offset by reductions in processed volume, production, and income from free metals. Production costs were driven higher chiefly by an increase in the price of electric

power from Termoeléctrica Peñoles, which supplies most of the electricity consumed by our metallurgical operations, along with inflation in our operating inputs, maintenance and repair work, and overtime paid to fill in absences caused by COVID-19. The combination of these factors had an unfavorable effect on the operating margins for metallurgical operations.

As part of our financial health initiative, we sold off concentrates, materials and waste to optimize our working capital investment. We also started the implementation of a data governance strategy based on business cases, to improve the reliability of the critical data with impact on our value levers.

During the year, our High Potential Management strategy continued on its second phase, conducting more than 800 verifications by the Visible On-Site Leadership teams, resulting in more than 250 reports of potential accidents (quasi-accidents) that will serve as a basis to detect critical activities, implement and strengthen critical controls. We also gave training workshops on critical control verification tools and published weekly and monthly safety reports with analysis, trends and high potential incidents, by operating unit. In 2022, we reviewed the criteria for rating and classifying accidents that involve injury to individuals, to align them with OSHA and ICMM criteria. By these standards, our 2022 TRIFR, which was 22.56, is not comparable with the 2021 figure, while the LTIFR went from 11.8 in 2021 to 9.64 in 2022.

In waste management governance, we are implementing the Mining Association of Canada Guide to Responsible Tailings Management at the jarosite south deposit, in coordination with an external firm that acts as regional operating entity of the facility, under the governance framework established in that guide. The progress made in tailings management resulted in an improvement in the insurance company's risk rating.



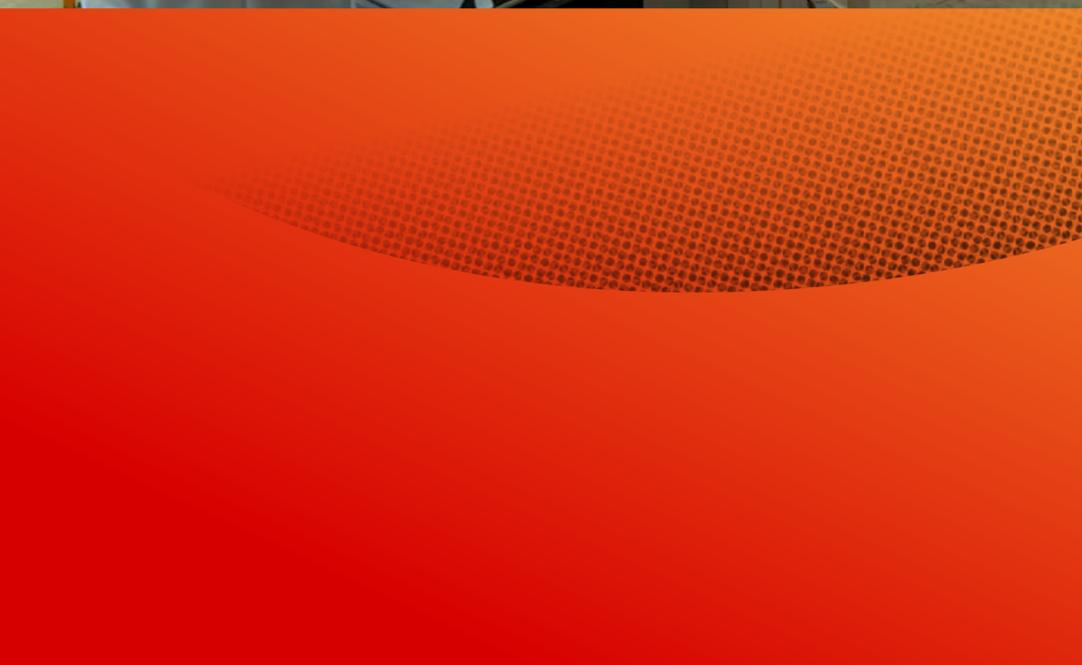
Exploration

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LEAD-SILVER CIRCUIT

Volume received (t)	2022	2021	% Chge.
Concentrates (smelter)	266,600	288,067	-7.5
Direct materials (refinery)	1,263	1,268	-0.3
Total raw materials	267,864	289,335	-7.4
Peñoles*	158,166	164,917	-4.1
% of total	59.0	57.0	
Third parties	109,698	124,418	-11.8
% of total	41.0	43.0	

Share in raw material content (%)

	Gold	Silver	Lead
Peñoles*	63.1	66.6	47.4
Third parties	36.9	33.4	52.6

*From the mines of Peñoles and Fresnillo plc.

The lead smelter treated 311,885 metric tons of concentrates during the year, 8.6% less than in 2021. This was attributable to difficulties in achieving the right balance of mixtures for treatment, due to low lead grades in the concentrates received and the high presence of copper, which caused some shutdowns in the blast furnaces. To counteract this situation, concentrates with higher lead content were acquired to third parties, which also served as a vehicle for silver recovery. Furthermore, lead-silver cements from the silver recovery process in the zinc circuit could not be treated in their entirety, because their variable quality affected the sintering process and recovery of silver in concentrates. For these reasons, the production of lead bullion dropped by 10.7% from the previous year to 129,228 metric tons.

The lead-silver refinery received a lower amount of dorés and rich materials for treatment from Herradura, Noche Buena and Ciénega,

and from third parties, which, combined with the lower volume of bullion, affected production of refined metals compared to the year-earlier levels, as follows: gold, 1,013 thousand ounces (-9.4%); silver 73.8 million ounces (-1.9%) and lead 109,060 metric tons (-9.4%).

Revenues per metric ton treated in the lead-silver business declined by 7.5% on average compared to the previous year, due to a lower volume of concentrates treated and lower revenues from free metals, both for volume and price reasons, which offset higher base treatment charges. Unit production costs increased by 20.2% on average due to the higher cost of operating materials, energy and labor, as well as corrective maintenance, primarily.

Our investments in the lead-silver circuit focused mainly on replacing critical equipment to sustain operating continuity, implementing technological updates, improving environmental performance and reducing risks to our personnel.

ZINC CIRCUIT

Volume received (t)	2022	2021	% Chge.
Concentrates	672,356	678,228	-0.9%
Peñoles*	477,105	484,923	-1.6%
% of total	71.0	71.5	
Third parties	195,251	193,305	1.0%
% of total	29.0	28.5	

Share of content in concentrates (%)

	Zinc
Peñoles*	70.2
Third parties	29.8

*From the mines of Peñoles and Fresnillo plc.

Operations continued to normalize in the zinc circuit, where we solved difficulties in the roasting process and balancing the interaction of the old acid-roasting plant with the new direct leaching plant. Also, metallurgical recovery of zinc in concentrates improved to 92.9% (from 90.9% the year before), approaching design levels, as a result of better control over critical variables in the leaching-purification process.

The biggest challenge in this circuit continues to be in the electrolysis area, where a program to replace anodes damaged by unplanned shutdowns in 2021 and 2022 is under way. This process is expected to be completed in the first quarter of 2023. When the new anodes are in place, efficiency of electric current should improve, reducing electricity consumption and allowing us to gradually increase production to achieve the installed capacity of 350,000 metric tons of

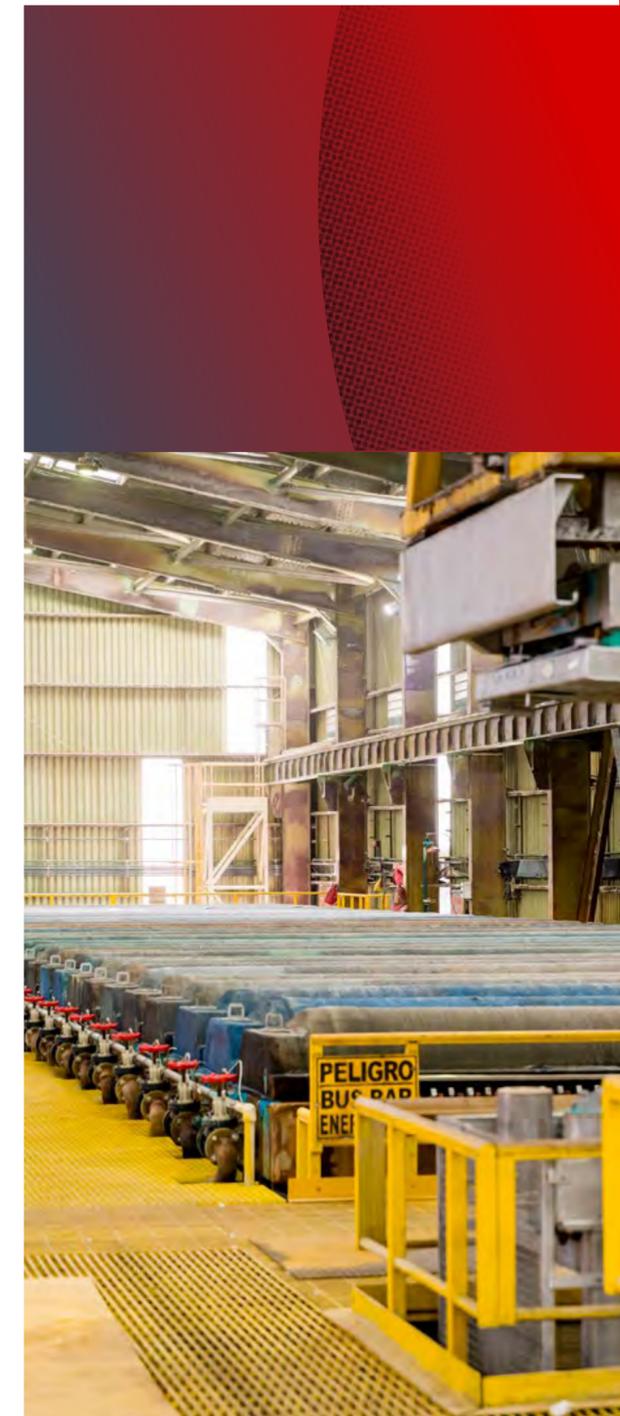
refined zinc per year by 2024. Additionally, to preserve the quality and purity of refined zinc, the volume of treated concentrates (458,593 metric tons) was 19.5% lower than in 2021, and annual refined zinc production declined by 10.3% to 237,127 metric tons.

In the silver recovery process, which aims to increase the treatment of zinc concentrates through a process of pure jarosite leaching, 5 million ounces of silver contained in cements were produced, although not all this volume could be treated at the smelter. We continue to analyze various alternatives to improve the quality of our cements in order to timely process them at the smelter without affecting the sintering process. With some adjustments to processing parameters, the recovery of

cements improved from 74.3% in 2021 to 82.7% in 2022, which brings us closer to our goal of achieving a 90% recovery rate of this metal content in zinc concentrates.

Average revenues per metric ton treated increased by 14.0%, due to higher base treatment charges and higher free metal of zinc due to better recoveries and a higher price, although this was offset in part by a lower amount of lead-silver cement sent to the lead smelter for refining. The unit cost of production rose 39.1% on average, the result of a lower treated volume and higher electricity cost, higher overtime payments, maintenance and repair work and operating materials.

Capital investments went to sustaining, replacing and reconditioning critical equipment to ensure business continuity, and improving the efficiency of the zinc circuit.



MARKETING AND BUSINESS DEVELOPMENT

Physical demand for gold and silver on international markets was propped up by uncertainty over global growth and geopolitical conflicts, offset in part by interest rate hikes. With this, export volumes of gold and silver accounted for 91.5% and 95.8% of our sales, respectively, compared to 93.7% and 97.9% in 2021. In the domestic market, demand for precious metals continued to be driven by a reactivation of the jewelry sector, which was reflected in higher sales volumes.

Market demand for lead was high, and sales premiums benefited from lower secondary lead output due to the shutdown of recycling plants. Sales of our refined lead and antimonial alloys were mainly in the domestic market (66.9%) and we continue to serve as a strategic supplier for the country's two largest consumers. As part of our commercial

strategy and to take advantage of market conditions, we kept up a presence in other countries and regions, primarily the United States, South America and Japan.

Low availability due to weaker production limited our exports of refined zinc and alloys, particularly to Europe. The export share was 58.0%, mostly to the United States. On the domestic market, premiums reached record highs and we faced the challenge of meeting the volume of special high-grade (SHG) zinc required by our clients, so we had to rely on imported product to cover those needs.

The performance of products sold to the mining industry was mixed. Notably, copper sulfate reached a new annual sales record.



CHEMICALS

The Chemical Division makes value-added products from natural brines and salts extracted from the subsoil by hydraulic mining at Química del Rey plant, located in Laguna del Rey, municipality of Ocampo, Coahuila.

The main product of this business is sodium sulfate, which accounts for more than half of its revenues. This material, in which we lead the domestic market with a 79% share, is used in producing powdered detergents, glass and paper, and in the textile industry. Today, Química del Rey is the largest sodium sulfate producer outside China with an installed capacity of 780,000 metric tons a year.

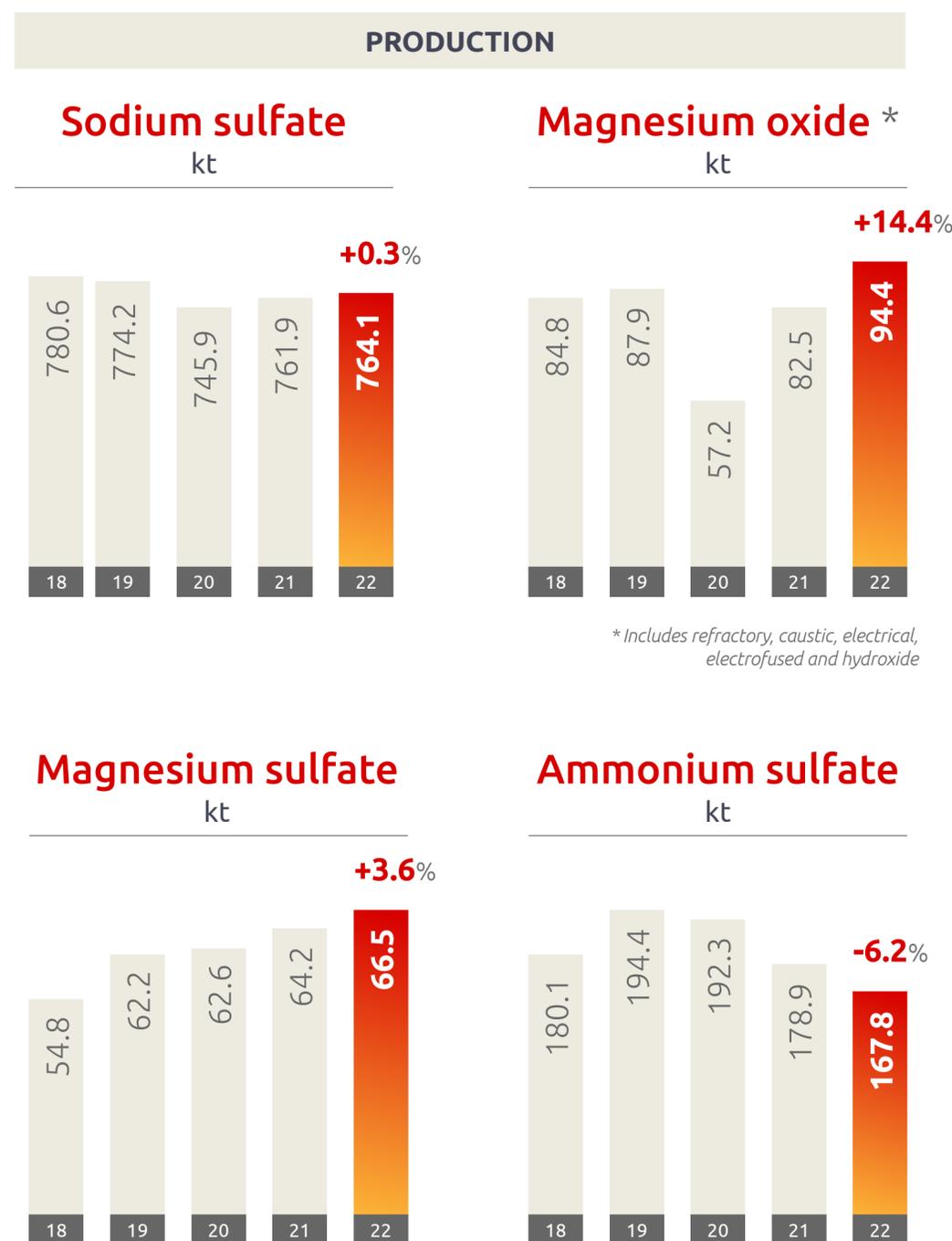
The second most important product, magnesium oxide, is made from residual brine resulting from sodium sulfate operations and dolomite ore from the La Esmeralda mine in Coahuila. It is produced in various

grades: refractory, used in making the bricks that line high-temperature kilns in the steel and cement industries; caustic, used to make animal feed and fertilizers; hydroxide, used as a flame retardant; and electrical, useful as an insulating material and to make electrical resistors. This product accounts for between a third and a quarter of the Chemical Division's revenues.

The third product, magnesium sulfate, also known as Epsom salt, is used as a fertilizer, in the leather tanning industry, in processing chemical products and making detergents.

In addition, residual sulfuric acid from the lead smelter is used to produce ammonium sulfate, a fertilizer by-product, at the Fertirey plant adjacent to the metallurgical complex in Torreón.

Química del Rey received the Safe and Healthy Work Environment distinction from the Mexican Social Security Institute, for meeting the requirements of its occupational health and safety program.



We maintained certification of our Business Management System according to ISO 9001:2015 and ISO 14001:2015 standards.

PRODUCTION AND PERFORMANCE

Our main chemical products performed well in 2022.

Sodium sulfate, with annual volumes 764,089 and 762,378 metric tons of production and sales, respectively, saw variations of +0.3% and -4.9%, respectively, from the previous year. Domestic market demand remained strong, primarily in the detergent industry. However, we faced logistical challenges during some months due to the low availability of hoppers in the railway system for distributing our product. We were able to handle the situation by better distributing loads and inventories so as not to affect our clients.

Gross margin for sodium sulfate improved compared to the previous year, due to a higher average price per metric ton, which absorbed the increase in production costs caused by the higher cost of natural gas, electricity and operating materials. Efficiency measures remained in place to optimize consumption rates of the dryers at plant 1, improving the rate of steam and electrical energy per metric ton of product.

This year, we introduced a new flow model for La Laguna to improve the estimation of resources under current conditions and various production scenarios, in an effort to optimize brine extraction and the sustainability of the deposit. We also deployed a technological tool for managing data to incorporate and manage information efficiently, and support decision-making in the deposit exploitation process.

We obtained recertification of our Responsibility System from the National Chemical Industry Association (ANIQ).

Demand for magnesium oxide was also solid in the first half of the year but weakened in the second half as the global economy slowed down. Exports of some varieties of our product toward certain regions of Europe ran into difficulties due to the geopolitical conflict in Ukraine and a scarcity of containers, but we were able to place higher volumes in China and the United States. We began a strategy to keep operating continuity in the magnesium oxide plant and specialty products plant, and for increasing production through actions such as operating furnaces and reactors at full capacity, carrying out preventive maintenance, and managing assets to extend the term before the annual shutdown. Furthermore, we installed an advanced process control system in rotating furnace number 2, which had the benefit of reducing the natural gas consumption rate.

Magnesium hydroxide stands out, with new production and sales records in 2022 and an increase in our share in the Asian market, while we strengthened our presence in Europe and the United States. The acceptance of our product is growing for its applications as a flame retardant in plastics because it not only offers higher temperature resistance, but is halogen-free, making it environmentally friendly.

To counter the high cost of natural gas and higher marine tariffs, we introduced a quarterly update formula for our magnesium oxide sales prices which, combined with the efficiency measures introduced, improved both the net price and margin of our magnesium by-product mix over the previous year.

Magnesium sulfate, primarily sold in the domestic agricultural industry, had a good year. Due to supply shortage, we were able to increase exports and diversify our client portfolio, besides registering our product



Magnesium sulfate and magnesium hydroxide reached new production records.

with the Organic Materials Review Institute (OMRI) which endorses its use in organic crops in the United States. With the operating efficiency measures we introduced in the crystallization, dams and drying areas, we operated at peak capacity during the months of solar evaporation, producing less by the reaction method and lowering our consumption of sulfuric acid. Combined with better sales prices, these measures broadened the margin for magnesium sulfate compared to the previous year. Production and sales volume reached consecutive records of 66,497 and 66,110 metric tons, respectively.

In ammonium sulfate, on the other hand, production and sales volumes were lower due to a reduced availability of sulfuric acid needed to make this product, in addition to continuing high ammonia prices in 2022.

As regards our High-Potential Management system, we continued to strengthen critical controls for the risks identified. We practiced visible onsite leadership from the technical advisor level up to the lead team, through safety inspection visits to all plants. We also issued regular reports with a preventive approach. Four of our high-performance teams achieved outstanding records of 21, 18, 17 and 13 accident-free years. Specific metrics show a TRIFR—aligned this year with ICMM criteria—of 5.49, and an LTIFR that moved down from 5.8 in 2021 to 5.5 in 2022.

Investments totaled US\$ 9.1 million in the Chemicals Division, primarily in sustaining and replacing critical equipment to ensure business continuity. We invested in furnace efficiency, preparation of La Esmeralda dolomite mine, installing a filtration system to eliminate gypsum in the magnesium oxide plant, technological improvement at the sodium sulfate plant 1, and a sacking system for magnesium specialties.

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Financial highlights by division

	2018	2019	2020	2021	2022
MINING					
Net sales	3,111	3,026	3,424	4,063	3,550
Gross profit	1,117	628	1,138	1,407	862
% of sales	35.9	20.8	33.2	34.6	24.3
EBITDA	1,266	890	1,483	1,706	1,056
% of sales	40.7	29.4	43.3	42.0	29.7
Operating profit	764	289	860	1,077	484
% of sales	24.6	9.5	25.1	26.5	13.6
METALS					
Net sales	3,839	3,936	4,179	5,244	4,852
Gross profit	-4	123	201	89	-154
% of sales	-0.1	3.1	4.8	1.7	-3.2
EBITDA	17	161	249	139	-107
% of sales	0.4	4.1	6.0	2.6	-2.2
Operating profit	-36	89	168	49	-196
% of sales	-0.9	2.3	4.0	0.9	-4.0
CHEMICALS					
Net sales	231	255	218	232	299
Gross profit	82	105	83	70	113
% of sales	35.5	41.4	38.1	30.1	37.7
EBITDA	69	93	70	64	98
% of sales	29.9	36.4	32.3	27.7	32.9
Operating profit	55	79	56	40	78
% of sales	23.8	30.9	25.7	17.3	26.0

Unaudited figures expressed in millions of dollars.

Figures represent the sum of the separate financial statements of the operating companies for each division, excluding corporate fees.

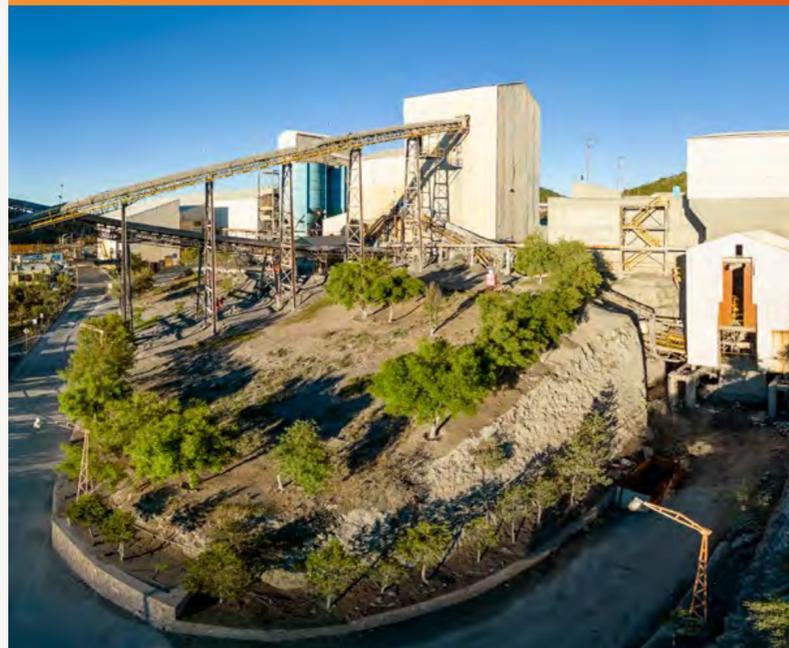
Management Discussion & Analysis

This management discussion and analysis of the results obtained by Industrias Peñoles, S.A.B. de C.V. and its subsidiaries ("Peñoles" or "the company") for the year 2022 is based on financial statements prepared in accordance with International Financial Reporting Standards (IFRS), issued by the International Accounting Standards Board (IASB). In accordance with IAS 21, the functional currency for each of the consolidated entities must be identified based on the currency of the primary economic environment in which the entity operates. For all subsidiaries, except for certain entities that are not in operation, as well as some service companies, the functional currency is the U.S. dollar.

This analysis of consolidated financial results is based on U.S. dollars, the company's functional and presentation currency, and 2022 results are compared to 2021 results in millions of dollars, unless otherwise indicated. The term "US\$" refers to dollars of the United States of America.

This section should be read in conjunction with the consolidated financial statements and accompanying notes.

Peñoles is a public company whose shares have been listed on the Mexican Stock Exchange (BMV) since 1968 under the ticker symbol **PE&OLES**.



Peñoles operates primarily in the following sectors:

- **Exploration**
- **Mining**
- **Metals**
(smelting and refining)
- **Inorganic chemicals**

PRICES AND MACROECONOMIC VARIABLES

The main variables that influenced Peñoles' results were:

1.

Metal prices:

In dollar terms, average prices were mixed compared to last year, as follows: silver (-13.6%), zinc (+15.7%), lead (-2.5%) and copper (-5.6%), while gold remained at practically the same level.

2.

Treatment charges:

Base treatment charges increased, on average, 19.2% for lead concentrates and 49.3% for zinc concentrates.

3.

Exchange rate (peso-dollar)	2022	2021	%Chge.
Close	19.3615	20.5835	-5.9
Average	20.1254	20.2813	-0.8

4.

Consumer Inflation (%)	2022	2021
Annual	7.82	7.36

CONSOLIDATED RESULTS

During 2022, metal prices exhibited high volatility. Although the recovery of economic activity in 2021 boosted demand for raw materials, the resulting inflationary pressures were exacerbated by a geopolitical conflict in Ukraine at the beginning of the year, which pushed up energy and food prices, and together with new waves of COVID-19, led to a slowdown and uncertainty about the direction of global growth. Central banks applied restrictive monetary policies to contain inflationary escalation through successive interest rate hikes, which further hindered economic growth. China's Zero Covid policy, which weighed on industrial activity for almost three years, was suspended towards the end of the year.

In this context, safe-haven demand for precious metals was dampened by high interest rates. Nevertheless, gold managed to recover to equal its average price with that of 2021, as the rise in interest rates moderated. This was not the case for silver, dragged down by its industrial component in the face of the economic slowdown, which also affected lead and copper prices. The average price of zinc, on the other hand, grew by double digits due to the shortage of refined metal resulting from low inventories and the closure of European refineries due to high energy prices.

Several challenges limited production and sales levels of refined metals with respect to the volumes obtained during 2021. These include operational problems at the zinc plant, where we continue to manage the normalization of processes due to the entry into operation of its expansion, the aftermath of the labor subcontracting reform in some mining operations, stoppages at the Capela unit, and the lower grade at Herradura, the company's main gold producing mine. All this, combined with lower prices, mainly silver, had an adverse impact on Peñoles' revenues.

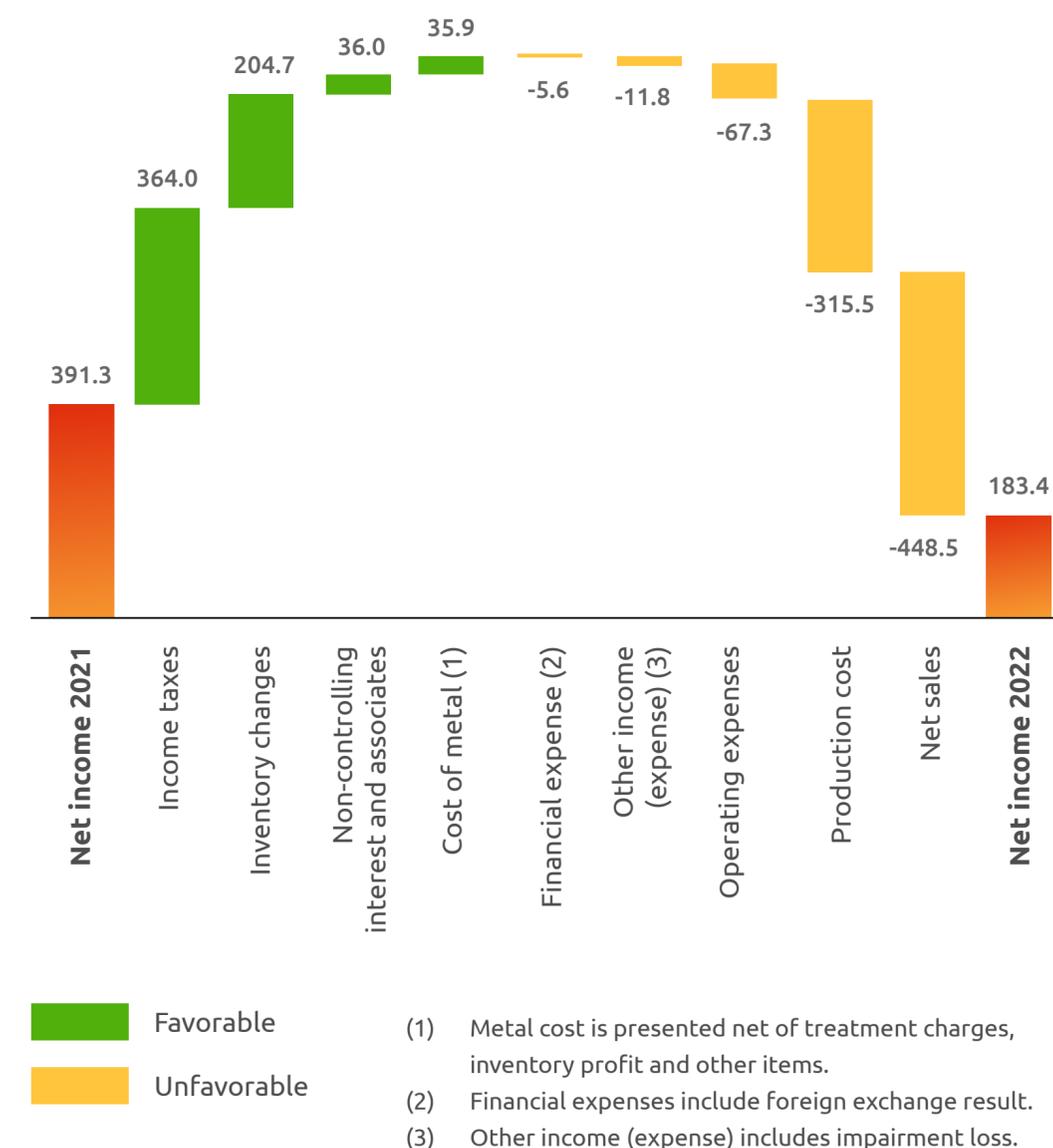
Cost of sales increased due to inflation in our basket of operating supplies, which was 10.9% annually in dollar terms, including the adverse effect of the appreciation of the peso against the US dollar that increases the costs incurred in pesos (approximately 50% of production costs), reinforcement work at the tailings deposits, development and preparation at the mines, higher consumption of inputs, partly due to the restart of operations at Milpillas and the start-up of Juanicipio, as well as maintenance and repairs. These factors were mitigated by lower cost of metal sold, due to the reduction in volume of concentrates and materials purchased from third parties for metallurgical operations, as well as lower silver and lead prices, the benefit of which was partially offset by lower treatment revenues.

Operating expenses also increased due to the higher pace of exploration activities, the increase in freight and transportation costs and administrative expenses, in addition to the effect of the lower exchange rate mentioned above. Similarly, other expenses such as the provision for remediation at closed mining units, and loss on sale of concentrates and fixed assets, among others, were contrary to other income obtained in the previous year from the sale of the Zimapán Unit and the income on sale of concentrates, while financial expenses were affected by the high interest rates on short-term financing, which was offset by higher interest earned on investments made.

Finally, the provision for income taxes was lower due to the lower taxable income for the year and the benefit in deferred taxes from the high inflation and peso appreciation on the company's tax asset and liability balances.

Due to the aforementioned factors, the financial results for fiscal year 2022 and their variation with respect to those of 2021 were as follows: net sales US\$ 5,523.4 (-7.5%), gross profit US\$ 1,032.5 (-33.6%), EBITDA US\$ 1,070.9 (-36.9%), operating income –excluding other income and expenses and impairment loss– US\$ 380.3 (-60.8%) and net income for the controlling interest US\$ 183.4, unfavorable compared to US\$ 391.3 obtained in 2021.

The following chart shows the variation by income statement line item and its influence on the change in annual net income (in US\$ M).





INCOME STATEMENT

The variations are discussed below:

Net sales totaled US\$ 5,523.4, of which 79.4% went to the export market. The variation of -US\$ 448.5 (-7.5%) compared to 2021 sales is explained as follows:

- Due to a decrease in volumes sold, mainly gold, zinc, concentrates and silver, an unfavorable variation of -US\$ 463.8.
- Due to the effect of lower average metal prices on the sale of refined metals and concentrates -US\$ 96.9.
- This was offset by a favorable variation in metal hedging operations +US\$ 67.8, due to the lower opportunity cost of such operations, as well as higher income from other products and services +US\$ 44.5.

Cost of sales, of US\$ 4,490.9, increased by +US\$ 74.9 (+1.7%) for the reasons described below:

- Higher **production cost** +US\$ 315.5 (11.5%), of which +US\$ 85.7 is attributable to the start-up of Juanicipio and +US\$ 37.3 to the restart of operations at Milpillas. The variations by item, including the effects of these two operations, are as follows:
 - Maintenance and repairs (+US\$ 88.2, 25.7%), mainly in the mining units of Fresnillo plc (highlighting Saucito, Penmont, Juanicipio and Fresnillo) and in Met-Mex due to repair works in the smelter furnaces and those related to the normalization of the zinc refinery.
 - Human capital (+US\$ 69.8, +22.7%), due to an increase in the labor force as a result of the subcontracting reform, the restart of operations at Milpillas and the start-up of Juanicipio, increases in salaries, benefits and overtime payments.
 - Operating materials (+US\$ 69.6, +18.1%) mainly due to higher prices and consumption of explosives and detonators, mill bars and balls, anchors, lead anodes, safety equipment and reagents.
 - Energy (+US\$ 44.5, +10.2%) due to an increase in the price and consumption of diesel, higher cost of natural gas, fuels and lubricants, and higher cost of electricity, mainly affected by the termination of the fixed-price coke supply contract that Termoeléctrica Peñoles (TEP) had since its inception.

- Contractors (+US\$14.3, +3.2%) due to more work by external contractors in development and infrastructure, partly due to the restart of activities in Milpillas, mitigated by lower use of services derived from the subcontracting reform.
- Leases (+US\$ 53.0, +711%) for machinery and equipment rentals in the mining units that were previously capitalized, mainly in Herradura, and higher equipment rentals for mining operations.
- Other cost items (+US\$ 8.9, 8.7%), mainly raw materials due to the increase in the price of ammonia.
- Depreciation and amortization (-US\$ 32.8, -4.6%) in some mining units decreased the depletion factor due to the increase in their reserves, which, by extending their useful life, results in lower annual depreciation.
- Credit to cost of sales of -US\$ 98.9 for **inventory movement**, which contrasts with the charge made during the previous year (+US\$ 105.8), mainly due to the increase in gold content within the Herradura leach pads, the mineral stockpiling in Juanicipio prior to the plant start-up and the reactivation of Milpillas which represents a greater volume of ore deposited in leaching pads; while in 2021 it was higher due to inventory revaluation at Herradura's pads and the consumption of inventories.
- Lower **cost of metal sold** (-US\$ 35.9, -2.3%) whose variation is derived from the following items:
 - Lower volumes of lead concentrates and precious metal rich materials purchased from third parties for the metallurgical operations; lower average prices of silver, lead and copper, which mitigated the higher volume of zinc concentrates and materials, as well as higher average zinc prices. This had a favorable effect on the metal cost of -US\$ 87.2.
 - Lower metallurgical loss (-US\$ 6.2).
 - The above effects were partially offset by a decrease in treatment revenues (-US\$ 57.6) –recorded as a credit to cost of metal sold– due to the aforementioned lower purchases from third parties.

The lower revenues and higher costs resulted in a decrease in **gross profit** of -US\$ 523.4 (-33.6%) compared to that recorded in 2021. Likewise, the **gross profit margin over net sales** was 18.7%, below the 26.1% margin achieved in the previous year.

Operating expenses (excluding other income, expenses, and asset impairments) totaled US\$ 652.2, 11.5% (+US\$ 67.3) above 2021, with increases by item as follows:

- **Exploration and geological expenses** (+US\$ 46.3, 27.1%), derived from a higher pace of field work in the project portfolio and in the mining units, from the main increases in drilling, human capital, assays and payment of taxes and duties.
- **Selling expenses** (+US\$ 11.9, 9.1%), mostly attributable to higher freight and transportation costs, both inland and ocean.
- **General and administrative expenses** (+US\$ 9.2, 3.2%) mainly in human capital due to higher salaries and benefits, as well as corporate fees and communication and IT expenses, partially offset by lower fees, dues, and associations.

Annual **EBITDA** was US\$ 1,070.9, US\$ 624.9 (-36.9%) less than the previous year; the **EBITDA margin over net sales** of 19.4% was below the 28.4% recorded in 2021. Similarly, **operating income** of US\$ 380.3 decreased by -US\$ 590.7 (-60.8%), and the **operating margin on net sales** went down from 16.3% to 6.9%.

In fiscal year 2022, there was a reversal in the **impairment of long-lived assets** of +US\$ 21.4, recognized as an asset held for sale in the statement of financial position, due to a purchase offer received from a third party to acquire the assets of the Madero unit, whose operations, as reported at the time, were suspended in 2020.

The concept of **other income (expense)** net—excluding the impairment of assets mentioned in the previous paragraph—for -US\$ 22.2 was unfavorable compared to other income for +US\$ 10.9, derived from:

- **Higher expenses** of +US\$ 62.2, derived from the loss on sale of concentrates and fixed assets that, in 2021, recorded a profit; higher remediation expenses in closed mining units; donations granted; in addition to a write-off of the value of the engineering investment in a project for a new lead smelting technology, as it was not feasible.
- **Higher revenues** of +US\$ 29.1, mainly from granting the right to a third party to expand its pit in the company's concessions and, to a lesser extent, from the sale of other products and services.

Financial income (expense), net of +US\$ 158.3, was slightly higher (+US\$ 5.6, 3.6%) with respect to +US\$ 152.8 incurred in 2021, and was comprised of:

- **Interest income** of US\$ 45.9, up from US\$ 20.3 in the previous year, due to higher interest earned on investments and other financial income, mainly attributable to derivative financial instruments.
- **Financial expenses** of -US\$ 201.1, higher than -US\$ 171.5, mainly due to interest on financial debt, tax restatements and, to a lesser extent, bank fees.
- **Foreign exchange loss** of -US\$ 3.1, unfavorable compared to the loss of -US\$ 1.6 in 2021. This item arises from the translation at the balance sheet date exchange rate of monetary assets and liabilities in currencies other than the U.S. dollar, including the Mexican peso. In 2022 the peso appreciated against the dollar by 5.9% compared to the end of 2021, so the net monetary position generated a greater foreign exchange loss.

Equity interest in the results of associated companies, was a profit of +US\$ 1.4, in contrast to the -US\$ 5.6 loss obtained last year.

As a result, **income before taxes amounted** to US\$ 222.5, a decrease of -US\$ 601.0 compared to US\$ 823.5 for the previous year.

The **provision for income taxes**, of -US\$ 103.0 was favorable compared to the provision of US\$ 260.9 in 2021, which is attributable to the following factors:

- Current income tax of US\$ 214.5 was below US\$ 360.6, due to lower income for the period, and higher deferred tax credit related to the creation and reversal of temporary differences (-US\$ 338.9 vs. -US\$ 128.9), mainly the effect of higher inflation and appreciation of the peso on the tax values of the company's assets and liabilities.
- Lower provision for the special mining right (US\$ 21.8 compared to US\$ 31.7 in the previous year) net of the corresponding deferred tax, mainly due to the lower result for the year.
- Lower credit for special tax benefit on production and services (IEPS) on diesel consumed by operations, of -US\$ 0.5, compared to -US\$ 2.4 in 2021.

Due to the factors described above, the **consolidated net income** obtained by Peñoles in 2022 was US\$ 325.6, a decrease of US\$ 237.0 versus US\$ 562.6 recorded in 2021. Of this result, when comparing 2022 with 2021, US\$ 183.4 corresponds to **controlling interest in income**—unfavorable compared to the income of US\$ 391.3—and US\$ 142.2 to—and US\$ 142.2 to **non-controlling interest in net income**—lower compared to US\$ 171.2.

CASH FLOW STATEMENT

As of December 31, 2022, the company had **cash and cash equivalents** of US\$ 1,468.9, which represented a decrease in cash of -US\$ 348.2 with respect to the balance at the end of 2021 of US\$ 1,817.1 -including -US\$ 0.1 for translation effects.

The following are the most relevant concepts of the period:

- **Net cash flows from operating activities** of +US\$ 663.0. This caption consists of items directly related to operating activities, excluding those without impact on cash, such as depreciation and amortization, income tax provisions, asset impairment and unrealized interest. It also includes changes in working capital.
- **Net cash flows from investing activities** of -US\$ 692.5 in the following items:
 - Acquisition of property, plant and equipment, for -US\$ 747.5 —including capitalized interest—, to sustain the operating units and the development of projects. The main investments are detailed below:

Company/ Unit	US\$ M	Concept
Fresnillo plc	590.6	<ul style="list-style-type: none"> • Juanicipio Project • Flotation plant in Fresnillo (Pyrites II Project) • Mining works • Capitalized mining equipment • Tailings dams and leaching facilities
Met-Mex	44.3	<ul style="list-style-type: none"> • Replacements and additions of fixed assets • Integral water management
Capela	28.8	<ul style="list-style-type: none"> • Acquisition of a filter for dry tailings • Mining works • Acquisition and reconstruction of machinery and equipment • Instrumentation and monitoring in tailings deposit
Sabinas	28.5	<ul style="list-style-type: none"> • Mining works • Machinery and equipment • Acquisition and reconstruction of mine interior equipment • Reinforcement of tailings deposits
Velardeña	19.4	<ul style="list-style-type: none"> • Acquisition of machinery • Mining works • Acquisition and reconstruction of machinery and equipment • Reinforcement of tailings deposits
Tizapa	18.6	<ul style="list-style-type: none"> • Mining works • Replacement and rebuilding of machinery and equipment • Tailings thickener tank
Química del Rey	9.1	<ul style="list-style-type: none"> • Limestone stripping in dolomite mine • Integrated waste management • Bagging system in specialty plant • Replacement of critical equipment

- Collection of loans granted, interest and other items +US\$ 44.7.
- Income from third party assignment agreement +US\$ 15.0.
- Proceeds from sale of property, plant and equipment +US\$ 12.4.
- Capital contribution in associated companies -US\$ 12.0.
- Acquisition of intangible assets -US\$ 5.1.

- **Net cash flows from financing activities** in -US\$ 318.5, derived from:
 - Borrowings and loan repayments (net of transaction costs) -US\$ 47.3.
 - Interest paid on financial debt -US\$ 159.3.
 - Dividends paid to non-controlling interest -US\$ 102.7.
 - Increase in non-controlling interest +US\$ 10.1.
 - Lease payments and other -US\$ 18.1.
 - Proceeds and repayment of loans from non-controlling interest partners -US\$ 1.4.





We adopted a Policy on Equality and Non-discrimination, which outlines our commitment of providing an equitable and inclusive work environment that respects human dignity and equal opportunities.

Our people

Since 2005 we have been signing members of the United Nations Global Compact on human rights, labor rights, the environment and anti-corruption.



At Peñoles, we support and guarantee:

**Full respect for human
and labor rights.**

**Freedom of thought, association
and political affiliation.**

A safe and healthy workplace.

**A respectful, equitable working environment,
free of discrimination and harassment.**

**A culture of prevention of accidents
and occupational illness.**

**Professional training
and continuous education.**

**Competitive, fair compensation
based on performance.**

In 2022 there were no reports of situations involving extortion, abuse, discrimination, forced or coerced labor, unfair labor practices, violation of indigenous people's rights nor any violation of human rights. We have a Code of Conduct, A Third-Party Code of Conduct and our Correct Line (Línea Correcta) ethical hotline to avoid practices that go against our ethical standards and apply sanctions when appropriate.

TALENT MANAGEMENT

Our recruitment and selection processes were designed to ensure we attract talent with the knowledge, skills and experience required to meet present and future organizational needs, and who show ethical behavior in accordance with our institutional values. The following is a description of the components of the system and the highlights for the period.

Process	Goal	Actions	Results
Recruitment and selection	Ensure that we recruit and hire new talent whose knowledge and experience match the organization's challenges and needs.	<ul style="list-style-type: none"> Promote outreach agreements with universities. Introduce internship, scholarship, and Engineers-in-Training programs. Post vacancies internally before listing them outside the company to prioritize internal candidates 	<ul style="list-style-type: none"> 225 people were hired with the Engineers-in-training program; since its creation in 2003, 2,470 engineers have graduated in key disciplines for our business, such as mining, geology, metallurgy and mechanics, among others. Of 1,456 personnel movements, 59% were new hires and 41% were internal promotions.
Performance evaluation	Measure accomplishment of established goals and expected behaviors, according to organizational competencies.	<ul style="list-style-type: none"> Evaluate employees according to clear, measurable and challenging goals. Provide feedback through performance notes. Give raises and other recognitions for their achievements and create training actions that address areas of opportunity detected. 	<ul style="list-style-type: none"> We are in the process of improving this system to align it with our transformation and the strategies of Cultural Evolution and Comprehensive Well-Being.
Compensation	Have an objective, competitive compensation system.	<ul style="list-style-type: none"> Provide compensation based on salary tables consistent with the market and with the level of professional responsibility and individual performance of each employee. Provide a compensation package superior to the legal minimum (savings fund, major medical expenses, pension plan, vacations and seniority bonus). 	<ul style="list-style-type: none"> Compensation (including salaries and benefits) totaled US\$ 513.0 M, 20.6% more than last year.
Training	Train personnel according to the needs detected in the performance evaluation.	<ul style="list-style-type: none"> Promote training in line with current and future needs for technical, administrative and human skills, to achieve better productivity, quality and competitiveness indicators for the company 	<ul style="list-style-type: none"> 447,583 hours of training given at Peñoles, equivalent to 32 hours per employee. 105 scholarships were awarded to high school, college and postgraduate students.
Development and retention	Promote the development of the people with better performance and higher potential.	<ul style="list-style-type: none"> Create ways to develop and recognize people and encourage them to stay with the company 225 people (Gold Program) for people who show outstanding performance and high leadership potential; scholarship program and bonuses for academic achievements; loyalty recognitions, etc.) Identify posts that are critical for the operating continuity of the business, and prepare succession and career plans so that the right people have been prepared with the necessary leadership and technical skills. 	<ul style="list-style-type: none"> 2,332 loyalty recognitions were awarded to employees working in the company for between five and 45 years; and 88 academic achievement bonuses. 542 key positions have been identified and 44% have authorized succession plans. 198 candidates are being prepared to fill upcoming vacancies due to retirement in the next five years.

LABOR STRATEGY

Peñoles respects the right to free association and collective bargaining, according to domestic laws and international conventions and treaties. Our labor relations are based on trust and mutual benefit, and we maintain a frank and open relationship with unions, emphasizing our commitment to continuous dialogue.

We share the values of workplace safety and competitiveness, and we implement modern labor practices and standards to ensure a safe, ethical, and productive workplace. Furthermore, our incentive system is based on productivity results, costs, safety and environmental protection, that allows to achieve our established goals and targets, while contributing to job stability and caring of the work source.

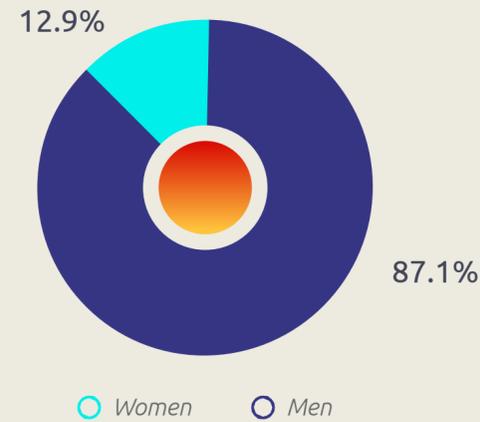
During the period, labor negotiations with the various unions that have collective bargaining agreements with our business units were conducted in a framework of respect and cooperation. There were no work stoppages or strikes, which meant we were able to operate continuously throughout the year. We continue to focus our efforts on strengthening our relations with unions, based on mutual trust and understanding to co-create a better future.

We also ensure compliance with the new rules on labor outsourcing, taking the necessary measures and engaging specialized services as established in the applicable legislation.

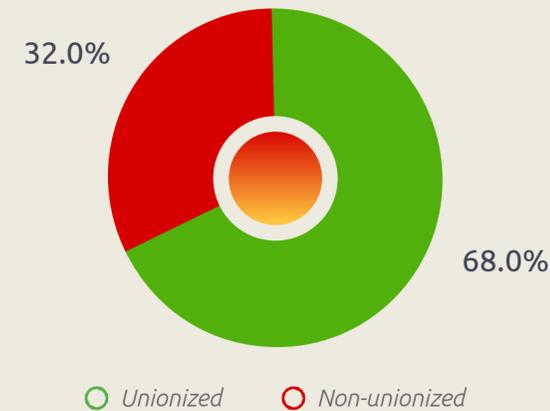
COMPOSITION AND GENDER DIVERSITY OF OUR PERSONNEL

At the close of 2022, the workforce of Peñoles and its subsidiaries was 16,811 employees —excluding affiliate companies—breaking down as follows:

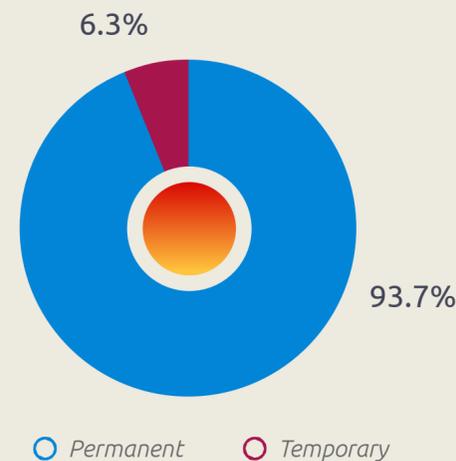
By gender



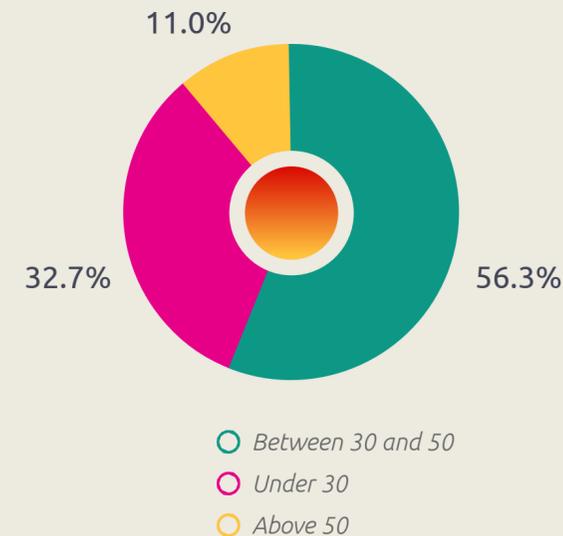
By affiliation



By type of contract



By age



The total number of women employees increased from 12.6% in 2021 to 12.9% in 2022. There are some units where women share is higher than the company's overall average—for example, Velardeña (16.9%), Capela (18.6%), and Servicios Administrativos Peñoles (41.0%). This brings us close to the national average of 16.3% for women in the mining and metallurgical industry, according to figures from the Mexican Mining Chamber at the end of 2021.

HEALTH AND SAFETY

Peñoles is committed to the health and safety of its people, so we focus on identifying and controlling risks, with special attention to critical risks that could result in severe or fatal injuries.

Our safety and health governance is based on our sustainability policy, by which we commit to ensuring safe operations based on a culture of prevention, elimination of hazards and risk reduction, with the participation and involvement of our employees and outside experts. The Central Committee on Environment, Safety and Health establishes safety and health standards, monitors their enforcement, evaluates operating performance and promotes adoption of best practices. Division heads are responsible for meeting those standards, led by the Assistant Vice President of Safety, Health and Environment, who defines key programs for eliminating fatal accidents and reducing incidents, in shared responsibility with the Vice Presidents of Operations, Explorations and Projects. Our safety performance, progress and metrics are reviewed in executive committees.

We continue to implement our High-Potential Management strategy with a focus on three dimensions: (i) managing critical risks and controls; (ii) managing leadership behaviors and practices; and (iii) managing incidents. In 2022, we reinforced the control of critical risks identified in our operations through verifications, training and education. Industrias Peñoles also encourages visible onsite leadership, with direct involvement by the chief operating officers to foster a culture of accident prevention. We also published communiqués, alerts and lessons on accidents and incidents.

We deeply regret the report of three fatal accidents in 2022, at our Fresnillo, Milpillas and Met-Mex units, and the death of one worker in the first quarter of 2023 as the result of an accident at Saucito. We took corrective action to minimize the potential for recurrence of such incidents and conducted a detailed investigation and shared the lessons with all of the Peñoles and Fresnillo plc business units. These fatal accidents are a vivid reminder that we must never cease in our efforts to eradicate fatal accidents.

In 2022, we reviewed our criteria for qualifying and classifying accidents involving personal injury to align them with the criteria of the ICMM and OSHA. This reclassification involved eliminating injuries treated by first aid and not requiring medical treatment from the calculation of the lost time injury frequency rate (LTIFR). Fresnillo plc has applied this criteria since 2020. Additionally, in the case of Fresnillo plc, we have included the Exploration Division and corporate offices in the calculation of both rates.

The following indicators will be our new baseline for future reporting.

2022 safety indicators	Total
Hours of risk exposure	85,560,784
Lost time injuries	474
Total recordable injuries	977
TRIFR	11.42
LTIFR	5.54

** Recordable injuries: fatal accidents + lost time injuries + restricted work injuries + injuries requiring medical treatment per 1,000,000 hours worked.*

** Lost time injuries: number of injuries with lost time per 1,000,000 hours worked.*

In our 2022 Sustainable Development Report, we communicate our progress on safety indicators over a period of five years.

In matters of health, with the COVID-19 pandemic still ongoing, we extended sanitary protocols to prevent contagion among our employees and our communities. We encouraged vaccination for our employees and supported government campaigns, offering our facilities to set up vaccination centers onsite, where more than 347,000 doses were applied to employees and others, in coordination with the authorities. We also supported communities with various donations of medical and sanitary supplies, personal protection equipment, food parcels and water.

A total of 12,117 positive cases of COVID were detected in the company during the year, including contractors. Unfortunately, three of these people died from the illness.

All of our workplaces have both the COVID-19 Sanitary Safety and the Safe and Healthy Workplace distinctions from the IMSS. Additionally, six workplaces have ISO 45001 certification: two Peñoles mines and four Fresnillo plc units, as well as one workplace in the Metals and Chemicals division.

We identified the chief risks to health in our business units, which include exposure to dust, gases and noise, and evaluated them in order to decide on measures to control them. In 2023, we will be reviewing our standards to focus on controlling potential risks.

We also monitored both the physiological and psychological condition of our employees through medical exams at the time of hiring as well as regular checkups, occupational health checks and gynecological exams. These evaluations enabled us to offer preventive intervention, primarily in occupational health. We continued to encourage healthy lifestyles to prevent chronic degenerative diseases.

Monitoring lead as an occupational health standard is highly important in our processes and we have a strategic hygiene and medical oversight program according to our zero-damage approach, which has enabled us to prevent and control exposure.

We conducted industrial hygiene and ergonomic studies in our workplaces, using the results to guide our health monitoring programs. When we identify some activity that presents an ergonomic risk, we review our procedures to establish controls and change the way the job in question is done.

Mental health care is another priority goal, and we provide preventive attention to mentally related occupational disorders and illnesses by promoting holistic health, emotional containment, rehabilitation and detection of job stress, through workshops and lectures. We offer individual psychological counseling for employees with anxiety or depression resulting from COVID-19 or the loss of some family member. We applied and followed-up on the NOM-035 questionnaire "Severe traumatic events (STE)" to support and provide psychological guidance to employees.

The most frequently recorded occupational diseases in the company are hypoacusis—hearing loss—and silicosis—respiratory disease—which are monitored and treated, as well as musculoskeletal disorders and the aftereffects of work-related accidents. Monitoring lead as an occupational health standard is highly important in our processes and we have a strategic hygiene and medical oversight program according to our zero-damage approach, which has enabled us to prevent and control exposure. In the past five years, we have recorded no occupational illness resulting from high levels of lead in the blood.

CULTURAL EVOLUTION AND COMPREHENSIVE WELL-BEING

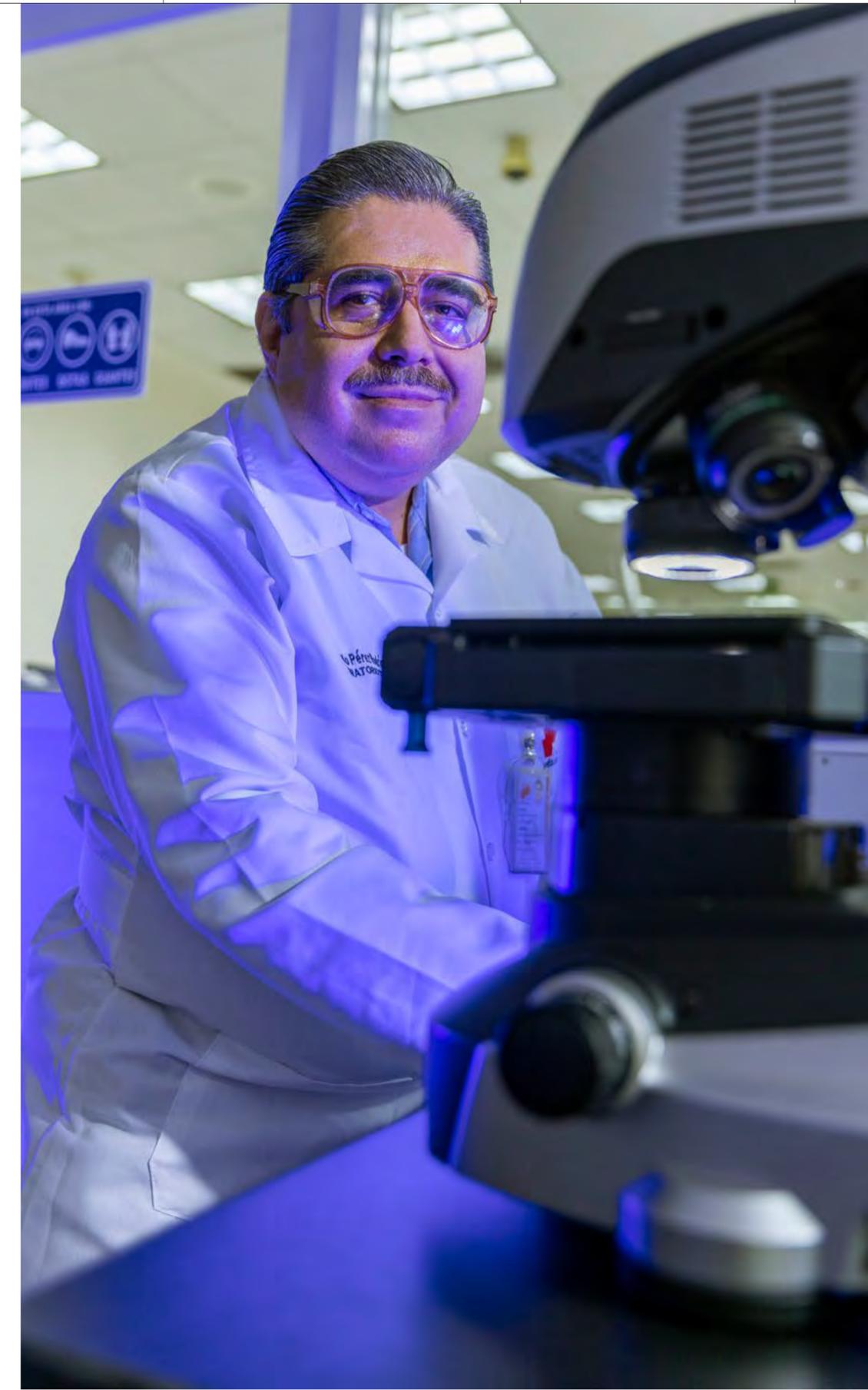
In 2021, we launched the first phase of our cultural evolution strategy. We prepared a diagnosis of the current culture and use the results to define the necessary competencies and methodologies to close the gap between the culture we have and the culture we want.

To continue moving forward, overcoming challenges and strengthening our vision, in 2022

we launched our Cultural Evolution strategy, which pursues total commitment to results, co-creation and teamwork, with the TRIL institutional values as its foundations.

Also during the year, we adopted a Policy on Equality and Non-discrimination that formally establishes our commitment to being the best employment option for everyone, offering real opportunities for advancement and recognition in a safe, equitable, inclusive work environment of respect and equal opportunity, and in which all of our people feel valued and inspired to contribute to their fullest potential. This policy can be viewed on our website at www.penoles.com.mx.

Finally, we launched the Champions program, designed to inspire change in people and promote their overall well-being through leadership and the positive influence of our leaders to implement the Cultural Evolution strategy critically and generally. Our champions give workshops on the elements of the culture we want in our company, train new champions and distribute the key messages of our strategy in their network of contacts.



The well-being of our people is a priority and crucial for the success of the company. We make efforts to redefine our comprehensive well-being strategy, focused on six dimensions.

Dimension	Goal	Actions
Intellectual	Achieve optimum mental function in order to reflect, analyze and make decisions, learn continually and be open to change.	We created Talent University, a virtual platform that inspires and enables people to take charge of their own personal and professional advancement by building technical and human skills through more than 5,000 online courses.
Emotional	Recognize, manage and appropriately express emotions and feelings, successfully handle stress and have a positive relationship with oneself and others.	At Peñoles, we applied the NOM-035 questionnaire on psychosocial risks at work to identify and prevent them and provide attention to those who need it, creating a positive work environment for everyone. More than 70% of our unionized and non-unionized employees took part in this survey.
Physical	Be and feel physically secure, healthy and energetic, in order to fully enjoy life and to do our jobs to the best of our abilities.	We began analyzing programs and work plans in conjunction with the occupational safety and health areas, to design unified plans aligned with our Comprehensive Well-Being strategy.
Transcendental	Expand our consciousness, discover a purpose in life, experience love, joy, peace and a sense of achievement (self-realization) so that we can be the best version of ourselves and contribute to the well-being of others.	We introduced mentoring programs that encourage participants to develop the best version of themselves and to gain a sense of helping others. The first of these is the Women for Women mentoring program, whose goal is to promote and develop leadership skills on an equitable basis, and build a network of women based on solidarity and empathy.
Cultural	Bring our personal traditions, beliefs and values, expressed in behaviors, actions and habits, into a single business culture capable of adapting to social environmental changes and building high quality relations with the world around us.	We launched the Women's Leadership project in order to increase recruitment of women and offer equal opportunities for advancement. Based on the results of a leadership and Diversity, Equity and Inclusion (DEI) culture survey, and according to best equity practices, we defined 15 organizational indicators of women's leadership to close the gaps identified. The information collected in the survey supported drafting of a master plan, incorporating best practices, divided into three categories: cultural transformation, leadership and governance, and processes.
Professional	Develop the abilities and competencies required by our jobs and responsibilities, always learning new skills, building a cooperative interaction with coworkers and leaders, and achieving job satisfaction.	We began reviewing organizational practices like recruitment, selection and hiring; skill-building; performance evaluation; success and career plans; and retention, to focus on securing professional advancement for our people, generate sustainable employability and ensure their comprehensive well-being.



Energy

We are continuing to prepare a road map for decarbonization of our operations while we follow up the opportunities offered by emerging technologies.

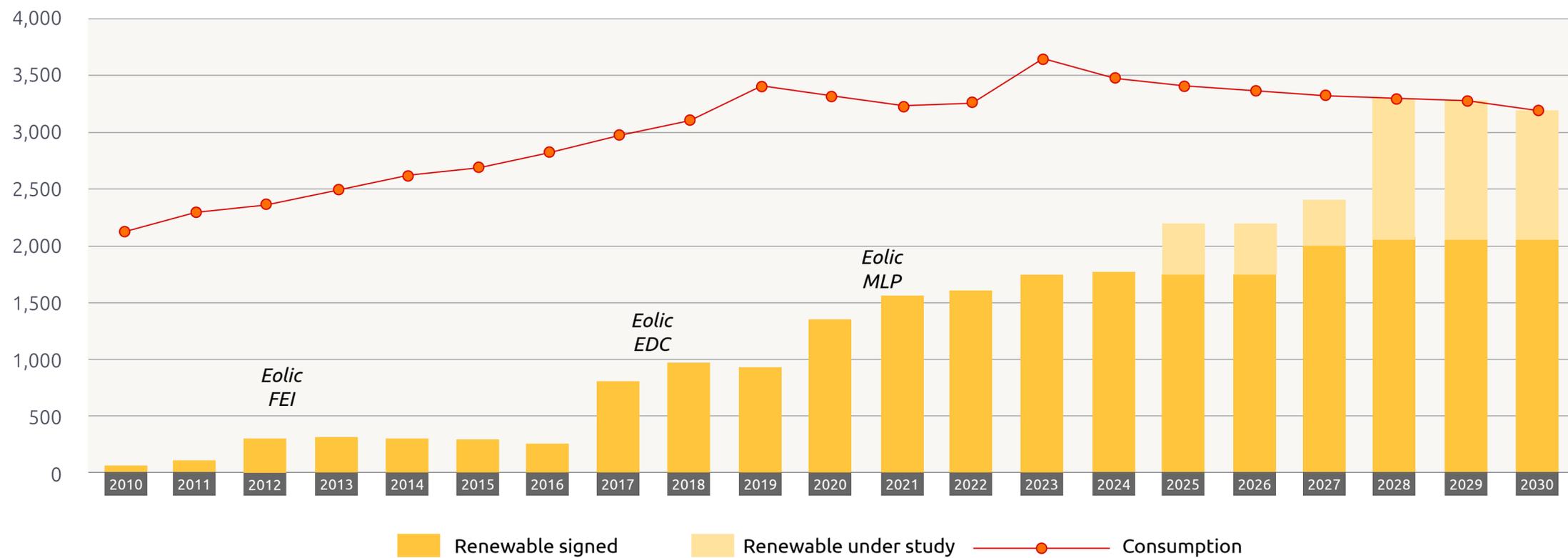
Projected supply of renewable energy and total energy needs (GWh/yr)

Peñoles faced new energy supply challenges in 2022, particularly volatile prices on natural gas, coal and pet-coke, caused by geopolitical events combined with changes that have been under way in the Mexican energy policy since 2020.

In this context, we reviewed the importance of the goals set in previous years and confirmed that they remained pertinent—a safe, high-quality supply of energy to guarantee operating continuity, environmental sustainability, competitive costs, and an efficient use of energy.

We continued to make progress toward other vital issues, namely preparing a road map for the decarbonization of our operations and following up opportunities in emerging technologies, such as emission-free hydrogen and ammonia, electricity storage and exploration of energy sources—ideally renewable—close to our operations. All of these have the capacity to become more sustainable, competitive supply sources, not just for the supply of electricity, but to potentially replace fuel in our vehicles and production equipment.

Renewable energy this year increased its share from 47.8% to 49.0% of our total consumption. The investment made in Fuerza Eólica del Istmo to eliminate a technical obstacle concerning temperature readings and restricted power generation paid off in the second half of the year.



The amount of electricity produced in our power plant portfolio was equivalent to 114.4% of our annual consumption. Unfortunately, because of pending paperwork with the authorities to migrate some of our load to the Wholesale Power Market (WPM), a large part of the energy generated by Mesa La Paz wind farm could not be directly allocated to our operations, and had to be sold to the market operator. Out of all the power generated by this plant, only 11.5% was delivered to the Capela and Juanicipio units; with the latter beginning its supply in late December.

As a result, during the year we had to purchase 536.0 GWh from CFE, which accounted for 16.5% of our annual consumption.

In 2023 we will actively work to complete the pending paperwork, through a constructive collaboration with CFE, migrate Termoeléctrica Peñoles to the WPM to be in a position to gradually increase our renewable energy supply.

The group's power plants together generated 3,707.8 GWh, which breaks down as follows:

ELECTRIC POWER GENERATION BY SOURCE

Source	Description	2022 (%)	2021 (%)
Termoeléctrica Peñoles (TEP)	Located in Tamuín, San Luis Potosí, with capacity to generate 230 MW. The plant is operated by a third party, and electricity is supplied under a power purchase agreement expiring in 2027.	53.2	54.8
Eólica de Coahuila (EDC)	Located in General Cepeda, Coahuila, with installed capacity of 199.5 MW. Operated by third parties, the electricity is supplied under a power purchase agreement expiring in 2042.	21.0	20.0
Eólica Mesa La Paz (MLP)	Located in Llera de Canales, Tamaulipas, with a capacity of 306 MW; operated by an independent company. Supply is committed under an energy coverage contract expiring in 2045.	20.6	19.4
Fuerza Eólica del Istmo (FEI)	Located in El Espinal, Oaxaca, operated by Peñoles. Installed capacity of 80 MW.	4.6	5.1
Co-generation at Met-Mex	A turbogenerator with 7 MW unit capacity that utilizes excess steam from the roasting area of the electrolytic zinc plant.	0.7	0.7
Generation from proprietary sources		100.0	100.0
Percentage of generation vs. consumption		114.4	110.8

Our generation of clean energy totaled 1,734.1 GWh, avoiding the emission of 754,321 tCO₂e, a 10.5% increase relative to 2021.

CONSUMPTION

In 2022, the group consumed 3,241.2 GWh of electrical energy—average demand of 370.0 MW—slightly higher (0.6%) than the year before. We project an increase in electrical consumption in 2023 due to the startup of operations at Juanicipio and the reopening of Milpillás.

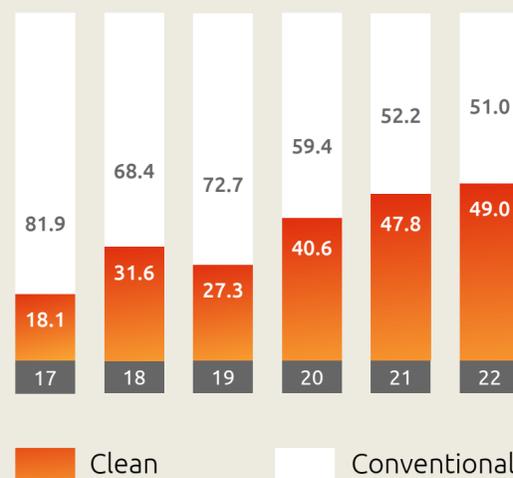
The contribution of each energy source to the group's total consumption is shown in the table below:

CONTRIBUTION OF EACH ENERGY SOURCE TO CONSUMPTION

Source	2022 (%)	2021 (%)
Termoeléctrica Peñoles (TEP)	55.3	57.3
Eólica de Coahuila (EDC)	23.4	22.5
Fuerza Eólica del Istmo (FEI)	1.4	3.1
Cogeneration	0.7	0.7
Eólica Mesa La Paz (MLP)	2.7	1.4
Total supplied by proprietary sources	83.5	85.0
Energy purchased from CFE	16.5	15.0
Total consumption Peñoles Group	100.0	100.0
Energy from MLP delivered to the WPM	20.8	20.1
Availability from proprietary sources for Peñoles	104.3	105.1
Consumption generated from clean sources	49.0	47.8

Electricity consumption by type of technology

(%)*



*In 2020, 2021 and 2022, the share of clean energy in total consumption—15.6%, 20.1% and 20.8%, respectively—corresponds to the energy from MLP, which was sold to the WPM.

Additionally, Fuerza Eólica del Istmo supplied 110.0 GWh to the companies of Grupo BAL.

COST OF ENERGY

The unit cost of the electricity consumed in 2022 was US¢ 8.71 per kWh, 10.7% higher than the previous year. This significant increase was mainly due to the fact that, as of October, the fuel used by TEP had a substantial increase in its cost due to the termination of the supply contract it had in place since its inception.

OTHER MATERIAL EVENTS

We continue to meet all the requirements for acquiring Clean Energy Certificates (CEL) to fulfill our obligations for 2020 and 2021, in the percentages established by the Energy Regulatory Commission (CRE).

Fuentes de Energía Peñoles, a qualified supplier, completed its second year of operation in the WPM, having sold 761.9 GWh of energy, 66.5 MW of power and 1,060,067 CEL.

The company has maintained a very active participation in industrial chambers and in the electrical industry to engage in constructive dialogue with the federal government and participate in defining a new regulatory framework for the electricity sector.

As for the use of other energy sources in our mines and plants, diesel consumption grew by 1.9%. The replacement of diesel with liquefied natural gas—an innovation begun some years ago—increased 131.7%, which helped reduce greenhouse gas emissions as well as operating costs.

Consumption of natural gas in gaseous state rose 5.7% in 2022, mainly due to higher production of magnesium oxide.

Fuel	Unit	2022	2021	% Chge.
Liquefied natural gas	Ml	24.1	10.4	131.7
Natural gas	Mm ³	217.7	206.0	5.7
Diesel	Ml	196.9	193.3	1.9

In the medium and long term, in addition to incorporating a higher percentage of renewable sources in our energy mix, we will continue to monitor the development of emerging technologies, such as electrification of mining equipment, battery storage and production of green hydrogen and ammonia, which can be applied toward our goal of achieving CO₂ emission neutrality by 2050. For example, we are exploring a project to replace fossil fuels with green hydrogen in our personnel transport buses, and eventually in emissions-free mining trucks.



Corporate governance

Structure and responsibilities of the Board of Directors



Board of directors

Chairman

Alejandro Baillères G.

Directors

Alejandro Baillères G. ^{(1) (2) (3) (8)}

Juan Bordes A. ^{(1) (2) (3) (7)}

Fernando Senderos M. ⁽⁵⁾

Arturo M. Fernández P. ^{(1) (2) (3) (7)}

Raúl Baillères G. ⁽⁷⁾

José Antonio Fernández C. ⁽⁵⁾

Eduardo Cepeda F. ^{(1) (3) (7)}

Juan F. Beckmann V. ⁽⁵⁾

Jaime Lomelín G. ^{(1) (3) (7)}

Tomás Lozano M. ^{(4) (5)}

José O. Figueroa G. ^{(1) (3) (7)}

Juan P. Baillères G. ⁽⁷⁾

Ernesto Vega V. ^{(4) (5)}

Secretary

Gerardo Carreto C.

Alternate Directors

Leopoldo A. Alarcón R. ⁽⁷⁾

Gabriel E. Kuri L. ⁽⁷⁾

Dolores A. Martín C. ⁽⁵⁾

Alejandro Hernández D. ⁽⁷⁾

Luis Manuel Murillo P. ⁽⁷⁾

Francisco J. Fernández C. ⁽⁵⁾

Juan Carlos Escribano G. ⁽⁷⁾

Raúl C. Obregón Del C. ^{(4) (5)}

María G. Ocampo G. ⁽⁷⁾

Francisco J. Simón H. ⁽⁵⁾

Roberto Palacios P. ^{(1) (3) (7)}

Rafael Rebollar G. ⁽⁷⁾

- Executive Committee
Secretary: Miguel Linares
Guest: Diego Hernández
- Nomination, Evaluation and Compensations Committee
- Finance and Planning Committee
- Audit and Corporate Governance Committee
- Independent Director*
A Director who performs his duties free from conflicts of interest and without being subject to personal, patrimonial or economic interests, and furthermore, a person who is excluded from restrictions provided by Article 26 of the Securities Market Law.
- Shareholder Director*
A Director who has a 1% (one percent) direct interest or more in the equity capital of the Company.
- Related Director*
A Director not being deemed as "Independent" nor "Shareholder Director".
Among others, Related Directors are those who serve as officers at some level of the Company and its subsidiaries, as well as officers at any level of the companies comprising Grupo BAL consortium. Have kinship to the fourth degree with other Directors, as well as the spouses and a concubinage relationship.
- Shareholder and Related Director*
A Director who besides being "Related", also has a 1% direct interest or more in the equity capital of the Company.

* Pursuant to the Corporate Policy that defines the qualification or category of Directors.

In accordance with the recommendations of the Corporate Governance Code, the Audit and Corporate Governance Committee reviewed accounting policies and criteria as well as internal control and functioned in coordination with the external auditors. In addition, the Board appointed Directors to make up the Nomination, Evaluation and Compensations Committee, which reviewed organizational structure and policies on Compensations, and the Finance and Planning Committee, whose responsibility was to examine financial policies and projections and evaluate investment projects in order to ensure that they were consistent with the company's strategic plan and with its sources of financing. The Committees met regularly and reported to the Board on their activities; their reports and recommendations were attached to the minutes of the Board Meetings.

The composition of the Board of Directors, as well as the detailed profile of the Board members are available on our website: www.penoles.com.mx



Senior Executives - Peñoles



**Rafael Rebollar
González**

Chief Executive Officer
VP Metals-Chemicals

**Óscar Luévano
Ovalle**
AVP Raw
Materials

**Luis Humberto Vázquez
San Miguel**

VP Mining

**Francisco Javier
Berumen Muro**
AVP Southern
Operations

**José Luis
Cervantes Segura**
AVP Planning

**Miguel Eduardo
Muñoz Pérez**
AVP Northern
Operations

Jeremy Donald Gillis

VP Operations
Metals-Chemicals

**Isaías Almaguer
Guzmán**
AVP Technical
Metals

**Benito Noguez
Alcántara**

VP Exploration

**Felipe Ortigoza
Cruz**
AVP Exploration

**Manuel Medina
Pegram**

VP Commercial
Metals-Chemicals

**Luis Ernesto
Ibarra Ortiz**
AVP Commercial
Chemicals

**Juan Manuel
Martínez González**
AVP Commercial
Metals

**Mauricio Iván
García Torres**

VP Finance and CFO

**Luis Carlos
Navarro Figueroa**
AVP Financial
Planning

**Gerardo Ramiro
Rojas Favela**
Comproller

**María Nancy
Acosta Jáuregui**

VP Internal
Audit

Senior Executives - **Baluarto Minero**



Fernando Alanís Ortega
Chief Executive Officer



David Giles Campbell
VP Exploration



Marcelo Ramos
VP Business Development



Leopoldo Alarcón Ruiz
Deputy VP



Álvaro Soto González
VP Law

Roberto Velasco Cuevas
AVP Union Relations

María Luisa Aguilera López
AVP Human and Organizational Development

Jose Von Bertrab Saracho
AVP Strategic Planning

Christopher Ávila Mier
AVP Government Relations

Daniel Torres Guerrero
AVP New Projects

Exequiel Rolón Michel
AVP Sustainability and Community Relations

Leopoldo González Villalvaso
AVP Exploration

Leopoldo Rodríguez Olive
AVP Energy

Aldo Bolívar Escarpita
AVP IT

Demetrio Juárez Martínez
AVP Procurement

Gustavo Alarcón Caballero
AVP Corporate Law

Javier Romero Castañeda
AVP Labor Law

Senior Executives - Baluarte Minero



**Martín Arreola
Coronel**
VP Administrative
Services



**Erika María
Cabriada Martínez**
VP Compliance



Herman Charles Dittmar
Deputy VP



**Alexander Gutierrez
Palma**
VP Engineering
and Mine Planning



**Leopoldo Villalobos
Romo**
VP Projects
and Construction

**Gerardo Saucedo
Ortega**
Comptroller

Luis Andrade León
AVP Fiscal
Planning

**Jorge Calderón
Buendía**
AVP Treasury
and Financing

**Humberto Aldana
Martínez**
AVP Infrastructure,
Permits and Control

**Sebastián Trejos
Saldaña**
AVP Health,
Safety and
Environment

Shareholder information



CORPORATE HEADQUARTERS

Corporativo Legaria
Calzada Legaria 549, Torre 2
Col. 10 de abril
11250 Mexico City, Mexico
Phone: +52 (55) 5279 3000
Investor_Relations@penoles.com.mx
www.penoles.com.mx

STOCK EXCHANGE

Mexican Stock Exchange (BMV):
ticker PE&OLES

AUDITOR

Mancera, S.C.
(Member of Ernst & Young
Global Limited)

SHARE AND DIVIDEND INQUIRIES

Jorge Calderón B.
Assistant Vice President
Phone: +52 (55) 5279 3290
Jorge_Calderon@penoles.com.mx

INVESTOR AND ANALYST INQUIRIES

Mauricio García T.
CFO
Phone: +52 (55) 5279 3216
Mauricio_Garcia@penoles.com.mx

Celia Ortega C.
Manager Investor Relations
Phone: +52 (55) 5279 3294
Celia_Ortega@penoles.com.mx

SHARE INFORMATION

Share price (MXN):
Close \$239.66
High \$305.16
Low \$156.96

Market capitalization
at the end of the year:
US\$ 4.9 billion

Shares outstanding
as of December 31st, 2022:
397,475,747

For more informatio regarding
Fresnillo plc, please visit:
www.fresnilloplc.com

FINANCIAL CALENDAR

2022 Annual Shareholders' Meeting:
April 27, 2023
1Q 2023 results: May 03, 2023*
2Q 2023 results: July 28, 2023*
3Q 2023 results: October 27, 2023*
4Q 2023 results: February 28, 2024*
** Estimated dates*

VERSIÓN EN ESPAÑOL

Para obtener una versión en español
de este informe, favor de visitar:
www.penoles.com.mx

Contact:

Investor_Relations@penoles.com.mx
Phone: +52 (55) 5279 3294

Financial statements



Consolidated Financial Statements **As of and for the years ended December 31, 2022 and 2021 with Independent Auditor's Report**

Independent Auditor's Report

Audited Consolidated Financial Statements:

Consolidated Statements of Financial Position

Consolidated Statements of Profit or Loss

Consolidated Statements of Comprehensive Income

Consolidated Statements of Changes in Equity

Consolidated Statements of Cash Flows

Notes to Consolidated Financial Statements



Independent Auditor's Report to the Shareholders of Industrias Peñoles, S.A.B. de C.V.

Opinion

We have audited the accompanying consolidated financial statements of Industrias Peñoles, S.A.B. de C.V. and its subsidiaries ("the Company"), which comprise the consolidated statement of financial position as of December 31, 2022 and 2021, and the consolidated statement of profit or loss, consolidated statement of comprehensive income, consolidated statement of changes in equity and consolidated statement of cash flows for the year then ended, and notes to the consolidated financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the consolidated financial position of Industrias Peñoles, S.A.B. de C.V. and its subsidiaries as of December 31, 2022 and 2021 and their consolidated financial performance and their consolidated cash flows for the years then ended in accordance with International Financial Reporting Standards (IFRS).

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (ISA). Our responsibilities under those standards are described in the Auditor's Responsibilities for the Audit of the Consolidated Financial Statements section of our report. We are independent of the Company in accordance with the International Ethics Standards Board for Accountants' Code of Ethics for Professional Accountants (IESBA Code) and the ethical requirements that are relevant to our audit of the consolidated financial statements in Mexico in accordance with the Código de Ética Profesional del Instituto Mexicano de Contadores Públicos (IMCP Code), and we have fulfilled our other ethical responsibilities in accordance with these requirements and the IESBA Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Key audit matters

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the consolidated financial statements of the current period. These matters were addressed in the context of our audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters. For each matter below, our description of how our audit addressed the matter is provided in that context.

We have fulfilled the responsibilities described in the Auditor's Responsibilities for the Audit of the Consolidated Financial Statements section of our report, including in relation to these matters. Accordingly, our audit included the performance of procedures designed to respond to our assessment of the risks of material misstatement of the accompanying consolidated financial statements. The results of our audit procedures, including the procedures performed to address the matters below, provide the basis for our audit opinion on the accompanying consolidated financial statements.

Recoverability of mining assets

One area that we deemed a key audit matter is management's assessment of the indicators of impairment of the Company's assets that are subject to depreciation and amortization, which are mostly long-lived assets. This designation as a key audit matter is due to the complexity of the methodology used to estimate the recoverable amount of the assets of each cash generating unit (CGU), as well as the high degree of judgment required by management to formulate the assumptions considered and their consistency with the assumptions used in other accounting estimates determined by the Company in the consolidated financial statements. These assumptions include mineral reserves and resources, the related production levels, projections of capital expenditures and operating expenses, future market prices of the metals, discount rates and relevant foreign exchange rates. The assessment of the indicators of impairment is also complex due to the fact that the methodology used considers certain economic and market factors that involve estimates that have a high degree of uncertainty, and the different characteristics of each of the mining CGUs.

Note 6l) Impairment in the value of long-lived assets to the accompanying consolidated financial statements provides further information on the accounting policies and criteria followed by the Company related to the impairment assessment described above.

How our audit addressed the matter

We assessed the reasonableness of the methodology used by the Company to identify its CGUs considering the accounting criteria applied and we also assessed the assumptions used to estimate the recoverable amount of each CGU, which are estimates of mineral reserves and resources, the related production levels, projections of capital expenditures and operating expenses, future market prices of the metals, discount rates and relevant foreign exchange rates. We compared these

assumptions against the market information and analyzed their consistency with the assumptions used in other accounting estimates determined by the Company in the accompanying financial statements. We also evaluated the objectiveness and competence of the Company's independent advisors to verify the accuracy of the estimates of mineral reserves and resources used in these projections. Finally, we received assistance from independent specialists in the audit of the mineral reserves and resources reports and, also from our own valuation specialists in the audit of projections.

Estimates of mineral reserves and resources

We have also considered as a key audit matter the Company's estimates of mineral reserves and resources, due to the significant judgments and estimates involved and the impact that these judgments can have on the reported values of the Company's property, plant and equipment, as well as on the amount of the liability for the Company's obligations related to rehabilitation of its production sites. The mineral reserves and resources are the basis for determining the economic lives of the Company's cash generating units (CGUs) and for determining the recoverable amounts of the assets associated with the CGUs. They are also the basis for determining the discount rate of the Company's future obligations related to the rehabilitation of its production centers.

The Company's mineral reserves and resources are determined by management's internal specialists with the assistance from an independent specialist.

Note 4a) to the accompanying consolidated financial statements provides further information on the accounting policies and criteria followed by the Company for the assessment of the estimates of mineral reserves and resources described above.

How our audit addressed the matter

We evaluated the competence, experience, and independence of the Company's internal and independent specialists, which included in-person discussions with the specialists, and we also evaluated the scope of their work. We analyzed the report issued by the independent or internal specialist, as applicable, and assessed the changes made to the estimates of the mineral reserves and resources in 2021. We also evaluated the consistency of the criteria applied in all of the subsidiaries.

We analyzed the reconciliation of the beginning and ending balance of the reserves and resources and compared the results of this reconciliation to the clarifications provided by management and where applicable, the support documentation explaining the reason for any significant movements in the balances of the mineral reserves and resources. We assessed the market, financial and operating assumptions considered by management to calculate its estimates of the Company's mineral reserves and resources.

Deferred income tax

We deemed deferred income tax to be a key audit matter due to the complexity of the tax legislation applicable to the industry in which the Company operates, the significant judgments made by management in performing the analysis on aspects such as the assessment of asset recoverability, the reconciliation of the effective income tax rate and other special industry considerations such as the special tax for mining companies, among others. We also focused on this matter due to the use of highly uncertain assumptions whose realization depends on the occurrence of future events in the mining industry and the risk to the Company's financial and tax results.

Note 6q) and Note 21 to the accompanying consolidated financial statements as of December 31, 2022, provide further information on the accounting policies applied by the Company for recognizing deferred income tax, as well as the respective balances.

How our audit addressed the matter

We analyzed the significant assumptions used by management in recognizing current and deferred income tax assets and liabilities and evaluated the effective income tax rate calculated by the Company. We also analyzed the reconciliations of current income tax and deferred income tax prepared by the Company. We sought the assistance of our own specialists for the analysis of the tax aspects applicable to the Company, the assessment of projected future taxable profits and the appropriateness of the procedure followed by management in calculating the effective income tax rate for the period. We mathematically recalculated the projections used to determine the recoverability of deferred income tax assets.

We assessed the disclosure related to the recognition of the current and deferred income tax assets and liabilities in the consolidated financial statements as of December 31, 2022 and 2021.

Other information

Management is responsible for the other information. The other information comprises the information included in the annual report filed with the National Banking and Securities Commission (the CNBV) and the annual report submitted to the shareholders, but does not include the consolidated financial statements and our auditor's report thereon. We expect to obtain the other information after the date of this auditor's report.

Our opinion on the consolidated financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audit of the consolidated financial statements, our responsibility is to read the other information when we have access to it and, in doing so, consider whether the other information is materially inconsistent with the consolidated financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated.

When we read and consider the Annual Report filed with the CNBV, if we conclude that there is a material misstatement therein, we are required to communicate the matter to those charged with governance and to issue a statement on the Annual Report required by the CNBV that contains a description of the matter.

Responsibilities of Management and Those Charged with Governance for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of the accompanying consolidated financial statements in accordance with IFRS, and for such internal control as management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Company's financial reporting process.

Auditor's Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with ISA will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As part of an audit in accordance with ISA, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- ▶ Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- ▶ Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.
- ▶ Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.

- ▶ Conclude on the appropriateness of management’s use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company’s ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor’s report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor’s report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- ▶ Evaluate the overall presentation, structure, and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- ▶ Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision, and performance of the Group audit. We remain solely responsible for our audit opinion.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

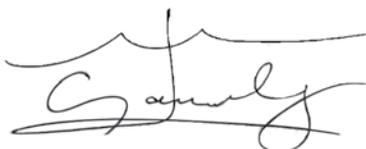
We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the consolidated financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor’s report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

The partner in charge of the audit resulting in this independent auditor’s report is the undersigned.

Mancera, S.C.
A Member Practice of

Ernst & Young Global Limited



Sergio Mora González

Monterrey, Nuevo León,
March 6, 2023.

Consolidated Statements of Financial Position

(Amounts in thousands of U.S. dollars)

	Note	As of December 31	
		<u>2022</u>	<u>2021</u>
<u>ASSETS</u>			
CURRENT ASSETS:			
Cash and cash equivalents	8	\$ 1,468,918	\$ 1,817,094
Trade and other accounts receivable, net	9	598,735	547,508
Recoverable income tax		75,812	101,423
Other financial assets	10	46,059	73,621
Inventories	11	1,880,641	1,718,065
Prepaid expenses		<u>52,221</u>	<u>36,024</u>
Total current assets		<u>4,122,386</u>	<u>4,293,735</u>
Non-current assets classified as held for sale	40	<u>21,362</u>	<u>-</u>
NON-CURRENT ASSETS:			
Trade and other accounts receivable, net	9	39,415	59,028
Other financial assets	10	5,518	15,806
Inventories	11	91,620	91,620
Financial assets in equity instruments	12	167,123	176,560
Property, plant and equipment, net	13	4,710,657	4,707,344
Equity investments in associates	14	72,181	55,120
Right-of-use assets	15	98,422	99,244
Deferred income tax	21	702,938	280,961
Other assets		<u>10,905</u>	<u>13,841</u>
Total non-current assets		<u>5,898,779</u>	<u>5,499,524</u>
Total assets		<u>\$ 10,042,527</u>	<u>\$ 9,793,259</u>

Consolidated Statements of Financial Position

(Amounts in thousands of U.S. dollars)

		As of December 31	
	Note	<u>2022</u>	<u>2021</u>
<u>LIABILITIES AND EQUITY</u>			
CURRENT LIABILITIES:			
Suppliers and other accounts payable	16	\$ 671,994	\$ 776,097
Other financial liabilities	17	54,399	107,030
Financial debt	18	376,840	81,034
Employee benefits	19	54,644	51,933
Lease liabilities	15	13,793	15,428
Income tax payable		<u>209,089</u>	<u>168,481</u>
Total current liabilities		<u>1,380,759</u>	<u>1,200,003</u>
Liabilities directly associated with non-current assets classified as held for sale	40	<u>35,609</u>	-
NON-CURRENT LIABILITIES:			
Financial debt	18	2,531,178	2,855,788
Employee benefits	19	49,747	52,599
Other financial liabilities	17	97,627	15,685
Income tax	21	-	4,723
Lease liabilities	15	94,215	92,578
Provisions	20	432,417	463,005
Deferred income tax	21	<u>132,699</u>	<u>84,998</u>
Total liabilities		<u>4,754,251</u>	<u>4,769,379</u>
EQUITY:			
Share capital	22	401,399	401,399
Legal reserve	39	52,304	52,304
Retained earnings		3,635,377	3,455,520
Components of other comprehensive loss	22	<u>(14,781)</u>	<u>(41,919)</u>
Equity attributable to equity holders of the parent		4,074,299	3,867,304
Non-controlling interests	3	<u>1,213,977</u>	<u>1,156,576</u>
Total equity		<u>5,288,276</u>	<u>5,023,880</u>
Total liabilities and equity		<u>\$ 10,042,527</u>	<u>\$ 9,793,259</u>

The accompanying notes are an integral part of these consolidated financial statements.

Consolidated Statements of Profit or Loss

(Amounts in thousands of U.S. dollars)

	Note	For the years ended December 31	
		2022	2021
Sales	26	\$ 5,523,358	\$ 5,971,814
Cost of sales	27	<u>4,490,904</u>	<u>4,416,007</u>
GROSS PROFIT		<u>1,032,454</u>	<u>1,555,807</u>
Administrative expenses	28	292,704	283,543
Exploration expenses	29	217,132	170,869
Selling expenses	30	142,329	130,416
Reversal of impairment in the value of long-lived assets	13	(21,362)	-
Other expenses	32	97,103	34,931
Other income	32	<u>(74,940)</u>	<u>(45,880)</u>
		<u>652,966</u>	<u>573,879</u>
OPERATING PROFIT		<u>379,488</u>	<u>981,928</u>
Finance income	33	(45,891)	(20,262)
Finance costs	34	201,146	171,472
Foreign exchange loss, net		3,118	1,622
Share of (loss) gain of associates	14	<u>(1,418)</u>	<u>5,607</u>
PROFIT BEFORE INCOME TAX		222,533	823,489
Income tax	21	<u>(103,042)</u>	<u>260,914</u>
CONSOLIDATED NET PROFIT		<u>\$ 325,575</u>	<u>\$ 562,575</u>
Attributable to:			
EQUITY HOLDERS OF THE PARENT		\$ 183,363	\$ 391,348
NON-CONTROLLING INTERESTS	3	<u>142,212</u>	<u>171,227</u>
		<u>\$ 325,575</u>	<u>\$ 562,575</u>
EARNINGS PER SHARE (basic and diluted in U.S. dollars)	23	<u>\$ 0.46</u>	<u>\$ 0.98</u>

The accompanying notes are an integral part of these consolidated financial statements.

Consolidated Statements of Comprehensive Income

(Amounts in thousands of U.S. dollars)

		For the years ended	
		December 31	
	Note	<u>2022</u>	<u>2021</u>
CONSOLIDATED NET PROFIT		<u>\$ 325,575</u>	<u>\$ 562,575</u>
COMPONENTS OF OTHER COMPREHENSIVE LOSS TO BE RECLASSIFIED TO PROFIT OR LOSS			
Unrealized gain/loss on valuation of hedges:			
Profit (Loss) reclassified to earnings	38	4,844	(123,894)
Deferred income tax	21 and 38	(1,453)	37,168
Changes in the fair value of hedges	38	14,171	237,609
Deferred income tax	21	<u>(4,251)</u>	<u>(71,283)</u>
Net effect of unrealized gain on valuation of hedges		<u>13,311</u>	<u>79,600</u>
Share of profit/ (loss) of associates	14	<u>4,486</u>	<u>(1,153)</u>
Foreign currency translation reserve		<u>13,327</u>	<u>1,427</u>
Other comprehensive income items to be reclassified to profit or loss		<u>31,124</u>	<u>79,874</u>
COMPONENTS OF OTHER COMPREHENSIVE INCOME THAT WILL NOT BE RECLASSIFIED TO PROFIT OR LOSS			
Unrealized gain on valuation of employee benefits:			
Actuarial gain	19	9,450	13,562
Deferred income tax	21	<u>(1,503)</u>	<u>(2,156)</u>
		<u>7,947</u>	<u>11,406</u>
Unrealized gain on valuation of financial assets in equity instruments:			
Unrealized loss	12	(9,437)	(55,989)
Deferred income tax	21	<u>2,831</u>	<u>16,794</u>
		<u>(6,606)</u>	<u>(39,195)</u>
Other comprehensive (loss)/income items that will not be reclassified to profit or loss		<u>1,341</u>	<u>(27,789)</u>
TOTAL COMPONENTS OF OTHER COMPREHENSIVE INCOME		<u>32,465</u>	<u>52,085</u>
COMPREHENSIVE INCOME		<u>\$ 358,040</u>	<u>\$ 614,660</u>
Attributable to:			
EQUITY HOLDERS OF THE PARENT		\$ 210,501	\$ 447,340
NON-CONTROLLING INTERESTS		<u>147,539</u>	<u>167,320</u>
		<u>\$ 358,040</u>	<u>\$ 614,660</u>

The accompanying notes are an integral part of these consolidated financial statements.

Consolidated Statements of Changes in Equity

For the Years Ended December 31, 2022 and 2021

(Amounts in thousands of U.S. dollars)

	Note	Retained earnings			Net profit/(loss) for the year	Total retained earnings	Components of other comprehensive loss	Equity attributable to equity holders of the parent	Non-controlling interests	Total equity
		Share capital	Legal reserve	Undistributed earnings						
Balance as at December 31, 2021		\$ 401,399	\$ 52,304	\$ 3,150,945	\$ (34,384)	\$ 3,116,561	\$ (97,911)	\$ 3,472,353	\$ 1,058,185	\$ 4,530,538
Changes in equity interest in associates	14			(2,387)		(2,387)		(2,387)		(2,387)
Net profit for the year					391,348	391,348		391,348	171,227	562,575
Components of other comprehensive income							55,992	55,992	(3,907)	52,085
Comprehensive income					391,348	391,348	55,992	447,340	167,320	614,660
Shareholders' resolutions:										
Allocation of net loss from prior year				(34,384)	34,384					
Increase in non-controlling interests	3								31,886	31,886
Dividends declared	24			(50,002)		(50,002)		(50,002)	(100,815)	(150,817)
Balance as at December 31, 2021		401,399	52,304	3,064,172	391,348	3,455,520	(41,919)	3,867,304	1,156,576	5,023,880
Changes in equity interest in associates	14			(859)		(859)		(859)		(859)
Acquisition of non-controlling interest	3			(2,647)		(2,647)		(2,647)	2,647	-
Net profit for the year					183,363	183,363		183,363	142,212	325,575
Components of other comprehensive income							-	27,138	5,327	32,465
Comprehensive income					183,363	183,363	27,138	210,501	147,539	358,040
Shareholders' resolutions:										
Allocation of net profit from prior year				391,348	(391,348)					
Increase in non-controlling interests	3								10,143	10,143
Dividends declared									(102,928)	(102,928)
Balance as at December 31, 2022		\$ 401,399	\$ 52,304	\$ 3,452,014	\$ 183,363	\$ 3,635,377	\$ (14,781)	\$ 4,074,299	\$ 1,213,977	\$ 5,288,276

The accompanying notes are an integral part of these consolidated financial statements.

Consolidated Statements of Cash Flows

(Amounts in thousands of U.S. dollars)

		For the year ended	
		December 31	
	Note	<u>2022</u>	<u>2021</u>
OPERATING ACTIVITIES			
Net cash flows from operating activities	35	<u>\$ 663,005</u>	<u>\$ 1,163,468</u>
INVESTING ACTIVITIES			
Purchase of property, plant, and equipment		(734,673)	(747,839)
Interest capitalized in property, plant, and equipment		(12,830)	(14,220)
Purchase of intangible assets		(5,082)	(6,127)
Proceeds from sale of property, plant, and equipment		12,366	30,836
Collection of loans granted to contractors		6,513	4,370
Cash dividends received		-	99
Revenue from the redemption of shares of associates		8	-
Interest received		38,196	17,701
Increase in equity investments in associates	14	(12,024)	(32,107)
Cash flows received from the Layback Agreement	4ii	<u>15,000</u>	<u>25,000</u>
Net cash flows used in investing activities		<u>(692,526)</u>	<u>(722,287)</u>
FINANCING ACTIVITIES:			
Interest paid	18 y 25	(159,262)	(144,719)
Interest rate hedges of derivative financial instruments		6,327	1,690
Loans obtained	18	1,529,655	1,005,217
Repayment of loans	18	(1,576,939)	(976,358)
Transaction costs paid on loan	18	(24)	(40)
Principal and interest paid for leases	15	(24,399)	(24,595)
Cash dividends paid to equity holders of the parent		(2)	(49,902)
Cash dividends paid to non-controlling interests		(102,657)	(99,566)
Increase in non-controlling interests	3	10,143	31,886
Loans from holders of non-controlling interests	25	8,626	41,756
Payment of loans from partners in non-controlling investments	25	<u>(10,008)</u>	<u>(91)</u>
Net cash flows (used in)/from financing activities		<u>(318,540)</u>	<u>(214,722)</u>
(Decrease) Increase in cash and cash equivalents		(348,061)	226,459
Net foreign exchange difference		(115)	(2,015)
Cash and cash equivalents at beginning of year		<u>1,817,094</u>	<u>1,592,650</u>
Cash and cash equivalents at end of year		<u>\$ 1,468,918</u>	<u>\$ 1,817,094</u>

The accompanying notes are an integral part of these consolidated financial statements.

Notes to Consolidated Financial Statements

As of and for the years ended December 31, 2022 and 2021

(Amounts in thousands of U.S. dollars)

1. Description of the Business

Industrias Peñoles, S.A.B. de C.V. is a company incorporated under the Mexican Corporations Act and the Mexican Securities Trading Act as a publicly traded variable capital corporation listed in Bolsa Mexicana de Valores, S.A.B. de C.V. (the Mexican Stock Exchange). Grupo Peñoles is the ultimate holding company. Its corporate offices are located in Mexico City at Calzada Legaria No. 549, Colonia 10 de Abril.

Industrias Peñoles, S.A.B. de C.V. and its subsidiaries (collectively, “Grupo Peñoles” or “the Company”) are principally engaged in the exploration, extraction and sale of mineral concentrates and ore, as well as in the production and sale of nonferrous metals.

Grupo Peñoles is required to obtain government concessions for the exploration and exploitation of mineral deposits. Under the current legal and regulatory regime in Mexico, concessions for mining operations, development projects and exploration prospects may be cancelled by the Mexican government under certain circumstances, including where minimum expenditure levels are not achieved by Grupo Peñoles, if fees related to exploitation activities are not paid to the Mexican government or if environmental, health and safety standards are not observed.

Mining concessions grant rights upon all the minerals and substances, but do not grant rights upon the surface where the mines are located. Mining concessions in Mexico are for a term of 50 years commencing on the date on which the concession is registered with the Public Registry of Mining and Mining Rights and may be renewed for additional 50-year terms.

COVID-19 pandemic

During the last years, the COVID-19 outbreak rapidly spread causing a significant number of infections all over the world. In 2022, the COVID-19 pandemic is still a concern. The development and fluidity of the situation precludes any prediction as to the ultimate impact of COVID-19; however, Grupo Peñoles is seeking to obtain the best possible information to enable the assessment of the risks involved and implement appropriate measures to respond.

During 2022 and 2021, Grupo Peñoles has taken a number of measures to safeguard the health of its employees and their local communities, while continuing to operate safely and responsibly. The costs incurred by Grupo Peñoles in implementing COVID-19 safety measures totaled \$6,380 and \$9,640, respectively, and were recognized as expenses for the years ended December 31, 2022, and 2021. To face and mitigate the effects of the COVID-19 outbreak, from March 30 to May 31, 2020, the Mexican government established quarantine requirements and restrictions on certain economic activities that were considered non-essential. However, as of June 2020, mining activities were declared essential activities; accordingly, all mines are currently operating at its normal production capacity. In the current environment, assumptions about future commodity prices, exchange rates and interest rates are subject to greater variability than normal, which could in the future affect the value of Grupo Peñoles financial and non-financial assets and liabilities. As of December 31, 2022, and 2021, there were no material changes in the value of Grupo Peñoles assets and liabilities due to COVID-19.

2. Basis of Preparation

On March 6, 2023, the consolidated financial statements and these notes were authorized by Grupo Peñoles Chief Executive Officer, Chief Financial Officer, Administrative Services Director, and the General Counsel, for their issue and subsequent approval by Grupo Peñoles Board of Directors. Grupo Peñoles shareholders have the authority to approve and modify the consolidated financial statements.

The consolidated financial statements of Grupo Peñoles and its subsidiaries have been prepared in accordance with International Financial Reporting Standards (“IFRS”), as issued by the International Accounting Standards Board (“IASB”).

The consolidated financial statements are presented in U.S. dollars (see Note 6 a), which is the functional currency of Industrias Peñoles and most of its subsidiaries, and all values are rounded to the nearest thousand, unless otherwise indicated. Amounts in Mexican pesos (“Ps”) are expressed in thousands of Mexican pesos, unless otherwise indicated.

The accompanying consolidated financial statements cover the following periods:

- Statements of financial position as of December 31, 2022, and 2021
- Statements of profit or loss for the years ended December 31, 2022, and 2021
- Statements of comprehensive income for the years ended December 31, 2022, and 2021
- Statements of changes in equity for the years ended December 31, 2022, and 2021
- Statements of cash flows for the years ended December 31, 2022, and 2021

The accompanying consolidated financial statements have been prepared on a historical cost basis, except for the following items that were stated at fair value at the date of the consolidated statement of financial position:

- Derivative financial instruments
- Financial assets in equity instruments
- Certain inventories valued at fair value

3. Consolidation

The consolidated financial statements include the financial statements of Industrias Peñoles, S.A.B. de C.V. and those of its subsidiaries, which are prepared for the same reporting period and following the same accounting policies as those of the parent Grupo Peñoles.

Subsidiaries

Subsidiaries are understood to be those entities over which Grupo Peñoles has the power to govern the investee’s operating and financial policies and obtain benefits from its activities, as of the date control is obtained and through the date control is lost. Control over investees classified as subsidiaries is analyzed based on Grupo Peñoles power over the investee, its voting rights, its exposure, or rights, to variable returns from its involvement with the investee, and its ability to affect the amount of such returns through its power over the investee.

The consolidated financial statements include all of the entities’ assets, liabilities, revenue, expenses, and cash flows after eliminating intercompany balances and transactions. When Grupo Peñoles holds equity interest of less than 100% and, therefore, there are non-controlling interests in the net assets of the consolidated subsidiary, a separate non-controlling interests caption is included in the consolidated statement of financial position.

3. Consolidation (continued)

Business combinations are accounted for using the acquisition method. Under this method, the assets acquired, and liabilities assumed are recognized at fair value at the date of acquisition. The operating results of acquired businesses are recognized in the consolidated financial statements as of the effective acquisition date. The operating results of businesses sold during the year are included in the consolidated financial statements through the effective date the business was sold. The gain or loss on the sale of an acquired business, which is the difference between the income received from the sale, net of the related expenses, and the net assets attributable to the equity interest in the business at the date of sale, is recognized in the consolidated statement of profit or loss.

All intercompany balances and transactions, intra-group unrealized gains and losses, and dividends have been eliminated on consolidation.

Associates

Investments in associates are those in which Grupo Peñoles holds more than 20% of the issuer's voting shares, or over which it exercises significant influence but does not have control over the investee. Investments in associates are initially recognized at cost and later accounted for using the equity method, which consists of recognizing Grupo Peñoles' share in the changes in the issuer's equity from net profit or loss and components of other comprehensive income generated after the acquisition date. Dividends received from the associated company are subtracted from the value of the investment. The consolidated statement of profit or loss reflects Grupo Peñoles' share of the associate's net profit or loss. In addition Grupo Peñoles recognizes its share in the associate's components of other comprehensive income directly in equity under the caption corresponding to the type of other comprehensive income being recognized.

Gains and losses on transactions with associates are eliminated in the consolidated financial statements based on the equity interest held in each investee.

Significant subsidiaries

The significant subsidiaries are as follows:

Subsidiary	Country	Functional currency (1)	% Equity interest December 31	
			2022	2021
Minas Peñoles, S.A. de C.V.	Mexico	USD	100	100
Química Magna, S.A. de C.V.	Mexico	USD	100	100
Metalúrgica Met-Mex Peñoles, S.A. de C.V.	Mexico	USD	100	100
Química del Rey, S.A. de C.V.	Mexico	USD	100	100
Minera Ciprés, S.A. de C.V.	Mexico	USD	100	100
Compañía Minera Sabinas, S.A. de C.V.	Mexico	USD	100	100
Minera Capela, S.A. de C.V.	Mexico	USD	100	100
Arrendadora Mapimí, S.A. de C.V.	Mexico	USD	100	100
Servicios Administrativos Peñoles, S.A. de C.V.	Mexico	Peso	100	100
Servicios Especializados Peñoles, S.A. de C.V.	Mexico	Peso	100	100
Bal Holdings, Inc.	USA (2)	USD	100	100
Fuerza Eólica del Istmo, S.A. de C.V.	Mexico	USD	100	100

(1) "USD" refers to the U.S. dollar; "Peso" refers to the Mexican peso

(2) United States of America

3. Consolidation (continued)*Subsidiaries with non-controlling interests*

Subsidiary	Country	Primary activity
Fresnillo plc	England	Holding company whose subsidiaries are primarily engaged in the extraction and processing of mineral concentrates containing mostly silver and gold in Mexico. The subsidiary was incorporated under the laws of the United Kingdom and is publicly traded on the London Stock Exchange. This company is a 75%-owned subsidiary of Grupo Peñoles, with the remaining 25% non-controlling interest publicly traded.
Minera Tizapa, S.A. de C.V.	Mexico	Primarily engaged in the extraction and processing of mineral concentrates and zinc and silver. This company is a 51%-owned subsidiary of Grupo Peñoles, with non-controlling interests held by Dowa Mining and Sumitomo Corporation of 49%.

An analysis of the Company's non-controlling interests in the net profit/(loss) and equity of its subsidiaries is as follows:

Subsidiary	2022 %	2021 %	Non-controlling interests in net profit for the year		Non-controlling interests in equity	
			2022	2021	2022	2021
Fresnillo plc	25	25	\$ 107,068	\$ 126,198	\$ 1,150,314	\$ 1,083,764
Minera Tizapa	49	49	35,675	44,194	64,384	75,489
Other			(531)	835	(721)	(2,677)
			<u>\$ 142,212</u>	<u>\$ 171,227</u>	<u>\$ 1,213,977</u>	<u>\$ 1,156,576</u>

For the years ended December 31, 2022, and 2021, Equipos Chaparral, S.A de C.V.; Exploraciones y Desarrollos Mineros Coneto, S.A.P.I de C.V. and Minera Juanicipio, S.A. de C.V., both subsidiaries of Fresnillo PLC, increased their share capital and their contributions from non-controlling interests. These transactions were recognized as an increase of \$10,143 and \$31,886, respectively, in the caption non-controlling interests in the consolidated statements of changes in equity.

During December 2022, Grupo Peñoles acquired 49% of the capital of its subsidiary Flobarco, S.A de C.V that was owned by a third-party shareholder for a total amount of \$1, with this purchase Grupo Peñoles owns the total of the stockholder's equity. Since the acquisition of the non-controlling interest did not give rise to a change of control, the acquisition mentioned was considered an equity transaction, therefore the amount of the non-controlling interest that amounted to a deficit of \$2,647, was recognized with in the retained earnings caption.

The condensed financial information before eliminations as at and for the years ended December 31, 2022 and 2021 of the significant subsidiaries with non-controlling interests is as follows:

3. Consolidation (concludes)

Statement of financial position:

	2022		2021	
	<u>Fresnillo plc</u>	<u>Minera Tizapa</u>	<u>Fresnillo plc</u>	<u>Minera Tizapa</u>
Assets:				
Current Assets	\$ 1,940,181	\$ 118,884	\$ 2,123,054	\$ 147,529
Non-current assets	<u>3,974,099</u>	<u>90,062</u>	<u>3,644,413</u>	<u>85,841</u>
Total assets	<u>\$ 5,914,280</u>	<u>\$ 208,946</u>	<u>\$ 5,767,467</u>	<u>\$ 233,370</u>
Current liabilities	\$ 687,930	\$ 55,293	\$ 465,546	\$ 38,779
Non-current liabilities	<u>1,309,413</u>	<u>21,060</u>	<u>1,499,249</u>	<u>30,096</u>
Total liabilities	\$ 1,997,343	\$ 76,353	\$ 1,964,795	\$ 68,875
Equity	<u>3,916,937</u>	<u>132,593</u>	<u>3,802,672</u>	<u>164,495</u>
Total liabilities and equity	<u>\$ 5,914,280</u>	<u>\$ 208,946</u>	<u>\$ 5,767,467</u>	<u>\$ 233,370</u>
Dividends paid	<u>\$ 201,950</u>	<u>\$ 106,999</u>	<u>\$ 245,561</u>	<u>\$ 79,999</u>

Statement of comprehensive income:

	2022		2021	
	<u>Fresnillo plc</u>	<u>Minera Tizapa</u>	<u>Fresnillo plc</u>	<u>Minera Tizapa</u>
Sales	<u>\$ 2,432,990</u>	<u>\$ 265,419</u>	\$ 2,703,095	\$ 284,882
Operating profit	<u>283,593</u>	<u>109,840</u>	<u>666,733</u>	<u>145,127</u>
Net profit	<u>308,291</u>	<u>2,379</u>	<u>438,496</u>	<u>98,149</u>
Components of other comprehensive (loss)/income	<u>624</u>	<u>123</u>	<u>\$(35,693)</u>	<u>8,531</u>
Comprehensive income	<u>\$ 308,915</u>	<u>\$ 2,502</u>	<u>\$ 402,803</u>	<u>\$ 106,680</u>

Statement of cash flows:

	2022		2021	
	<u>Fresnillo plc</u>	<u>Minera Tizapa</u>	<u>Fresnillo plc</u>	<u>Minera Tizapa</u>
Net cash flows from operating activities	\$ 502,185	\$ 88,713	\$ 895,140	\$ 123,662
Net cash flows used in investing activities	(514,182)	(121,024)	(501,565)	(90,977)
Net cash flows (used in)/from financing activities	<u>(254,225)</u>	<u>(61)</u>	<u>(228,708)</u>	<u>(9,888)</u>
Net increase in cash and cash equivalents	(266,222)	(32,372)	164,867	22,797
Cash and cash equivalents at beginning of year	<u>1,235,282</u>	<u>101,540</u>	<u>1,070,415</u>	<u>78,743</u>
Cash and cash equivalents at end of year	<u>\$ 969,060</u>	<u>\$ 69,168</u>	<u>\$ 1,235,282</u>	<u>\$ 101,540</u>

4. Significant Accounting Judgments, Estimates and Assumptions

The preparation of Grupo Peñoles consolidated financial statements in accordance with IFRS requires management to make judgments, estimates and assumptions that affect the reported amounts of assets, liabilities, and contingent liabilities at the date of the consolidated financial statements and reported amounts of revenue and expenses during the reporting period. Estimates and assumptions are continually evaluated and are based on management's experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. Accordingly, actual results could differ from these estimates. The areas involving a higher degree of judgment and complexity and areas where estimates and assumptions are significant to the financial statements are described as follows:

Judgments

i) Recognition and classification of assets at Soledad and Dipolos mine

In 2009, five members of the El Bajío agrarian community in the state of Sonora, who claimed rights over certain surface land in the proximity of the operations of Minera Penmont S. de R.L. de C.V. ('Penmont'), subsidiary of Fresnillo Plc submitted a legal claim before the Unitarian Agrarian Court (Tribunal Unitario Agrario) of Hermosillo, Sonora, to have Penmont vacate an area of this surface land. The land in dispute encompassed a portion of surface area where part of the operations of the Soledad & Dipolos mine are located. The litigation resulted in a definitive court order, with which Penmont complied by vacating 1,824 hectares of land, resulting in the suspension of operations at Soledad & Dipolos. Whilst the claim and the definitive court order did not affect the Group's legal title over the mining concession or the ore currently held in leaching pads near the mine site, land access at the mine site is required to further exploit the concession at Soledad & Dipolos.

In addition to, but separate from, the lands mentioned above, Penmont is the legal and registered owner of the land where the Soledad & Dipolos leaching pads are located but has not yet been able to gain physical access to these pads due to opposition by certain local individuals. This land was purchased by Penmont from the Federal Government of Mexico in accordance with due legal process. Penmont has a reasonable expectation that it will eventually regain access to the Soledad & Dipolos assets and process the ore content in the Soledad & Dipolos leaching pads. This expectation considers different scenarios, including but not limited to potential negotiation scenarios and the different legal proceedings that Penmont has presented in order to regain access to the lands, as well as other ongoing proceedings including claims by members of the agrarian community requesting the cancellation of Penmont's property deed over this area, which claims Penmont believes are without merit. All such proceedings are pending final resolution. Therefore, Penmont continues to recognize property, plant and equipment and inventory related to Soledad & Dipolos at \$35,600 and \$91,620, respectively. Due to the fact that it is not yet certain when access may be granted so that the inventory can be processed, this inventory is classified as a non-current asset.

Furthermore, claimants from the El Bajío community also presented claims against occupation agreements they entered into with Penmont, covering land parcels other than the surface land where Soledad & Dipolos is located. Penmont has had no significant mining operations or specific geological interest in the affected parcels and these lands are therefore not considered strategic for Penmont. The Agrarian Court has issued rulings declaring such occupation agreements over those land parcels to be null and void and that Penmont must remediate such lands to the state that they were in before Penmont's occupation as well as returning any minerals extracted from this area. The case relating to the claims over these land parcels remains subject to final conclusion. However, given that Penmont has not conducted significant mining operations or had specific geological interest in these land parcels, any contingencies relating to such land parcels are not considered material by the Group. There are no material assets recognized in respect of these land parcels at December 31, 2022 or December 31, 2021.

4. Significant Accounting Judgments, Estimates and Assumptions (continued)

ii) Layback agreement

In December 2020, Grupo Peñoles, through its subsidiary Fresnillo, plc, entered into multiple contracts with Orla Mining Ltd. and its Mexican subsidiary, Minera Camino Rojo, S.A. de C.V. (together herein referred to as “Orla”), granting Orla the right to expand the Camino Rojo oxide pit onto Fresnillo’s “Guachichil D1” mineral concession. Based on the terms of the contracts, Grupo Peñoles will transfer the legal rights to access and mine the mineral concession to Orla.

Due to the fact that the contracts were negotiated together, Grupo Peñoles has considered the layback contracts as a single agreement (Layback Agreement). Grupo Peñoles determined that this transaction should be accounted for as the sale of a single intangible asset and in accordance with IFRS 15 – *Revenue from Contracts with Customers* is recognizing as such, at a point in time in which control transfers and it is when the performance obligation is satisfied.

The effectiveness of this agreement was subject to the approval of the Mexican Federal Competition Commission (COFECE), which was granted in February 2021.

The consideration under this agreement includes three partial payments: \$25,000 in February 2021, \$15,000 in November 2022 and \$22,800 in 2023. The future amounts bear interest at an annual rate of 5%. Grupo Peñoles recognized the contractual consideration (\$67,182 dollars) at fair value, discounted at a risk-free rate.

On December 31, 2022, Grupo Peñoles concluded the process of providing support to Orla in respect of other negotiations relevant to the acquisition of the rights to access from the communal land. Therefore, Grupo Peñoles considers all the performance obligations established in the Layback Agreement fulfilled and recognizes the total value of the agreement on results within the item of other income. As of December 31, 2022 Grupo Peñoles based on the expected time of complete the transfer of control of the asset, recognized the total value of the agreement as deferred income and classified it as a current liability.

iii) Juanicipio project

Grupo Peñoles assesses the stage of each mine under development/construction to determine when a mine enters into the production phase, this being when the mine is substantially complete and ready for its intended use. The criteria used to assess the start date are determined based on the nature of each mining project, considering its complexity, location and other relevant factors.

The criteria to assess this date considers the level of capital expenditure compared with the estimated construction cost, the availability of ore reserves to sustain ongoing extraction from production areas, and production feasibility considering the operating resources available. When the production phase is considered to have commenced, all related costs are transferred from “Construction in progress” to the corresponding class of “Property, plant and equipment”. At this stage, capitalization of development costs ceases, depreciation commences, and additional costs are either recognized as inventory costs or expenses, except those that qualify for capitalization related to additions or improvements to mining assets, underground mine development, or development of exploitable reserves.

During 2021, Grupo Peñoles finalized construction of the Juanicipio project. As of January 1, 2022, the mine started commercial production, while the plant commissioning activities were postponed for the end of the year due to delays in the connection of the plant to the national electricity grid. Consequently, Grupo Peñoles assessed the production start date for the mine and the plant separately. As a result, Grupo Peñoles determined that the Juanicipio mine began operations as of January 1, 2022. During 2022 the activities necessary to connect the plant to the national electricity grid continued and in December were concluded satisfactorily. Grupo Peñoles has determined that as of December 31, 2022, the plant facilities are substantially complete, and the start-up process has begun. As of December 31, 2022, the assets of the plant amount to \$228,300, which are presented under property, plant and equipment, and their depreciation will begin once production takes place. The costs incurred as part of the testing of the equipment prior to the connection to the power grid, including employees training, have been considered as unabsorbed production costs in the amount of \$2,592.

4. Significant Accounting Judgments, Estimates and Assumptions (continued)

iv) Subsidiaries with non-controlling interests

For subsidiaries with non-controlling interests, Grupo Peñoles assesses different aspects of the investee to determine whether Grupo Peñoles has control over the investee and the power to direct its relevant activities, thus giving it the right to variable returns from its involvement with the investee.

v) Climate Change

Grupo Peñoles set out its assessment of climate risks and opportunities. Grupo Peñoles recognizes that there may be potential financial statement implications in the future in respect of the mitigation and adaptation measures to the physical and transition risks. The potential effect of climate change would be in respect of assets and liabilities that are measured based on an estimate of future cash flows. Grupo Peñoles specifically considers the effect of climate change on the valuation of property, plant and equipment, deferred tax assets, and the provision for mine closure cost. Grupo Peñoles does not have assets or liabilities for which measurement is directly linked to climate change performance (for example: Sustainability-linked Bonds).

The main ways in which climate has affected the preparation of financial statements are:

- Grupo Peñoles has already made certain climate-related strategic decisions, such as to focus on decarbonization and to increase wind energy. Where decisions have been approved by the Board of Directors, the effects were considered in the preparation of these financial statements by way of inclusion in future cash flow projections underpinning the estimation of the recoverable amount of property, plant and equipment and deferred tax assets, as relevant.

Grupo Peñoles' strategy consists of mitigation and adaptation measures. To mitigate the impacts by and on climate change, Grupo Peñoles relies on renewable electricity, fuel replacement, and efficiency opportunities to reduce its carbon footprint. The approach to adaptation measures is based on climate models to produce actionable information for the design, construction, operation and closure of its mining assets, considering climate change. Future changes in Grupo Peñoles' climate change strategy or signs of global decarbonization signposts may impact significant judgments and key estimates of Grupo Peñoles and result in material changes to financial results and the carrying values of certain assets and liabilities in future reporting periods. However, as of the balance sheet date, Grupo Peñoles believes that there is no material impact on the values of assets and liabilities shown in the financial statements. Although this is an estimate, it is not considered a critical estimate.

A summary of the principal judgments and estimates used is shown below:

a) Mineral reserves and resources

Grupo Peñoles applies judgments and makes estimates to calculate its mineral reserves and resources. These judgments and estimates are formulated using recognized mining industry methodologies and standards and the respective calculations are performed by qualified internal personnel and take into account Grupo Peñoles past experience in similar matters. The reports supporting these estimates are prepared periodically. Grupo Peñoles reviews these estimates periodically with the support of recognized independent experts to obtain certification of its mineral reserves.

There are a number of uncertainties inherent to estimating mineral reserves. Assumptions considered valid at the time the estimate is made may change significantly when new information becomes available. Changes in metal prices, exchange rates, production costs, metallurgical recovery provisions and discount rates could alter the value of a given mineral reserve and result in the need to restate such value.

4. Significant Accounting Judgments, Estimates and Assumptions (continued)

Mineral reserves are used to determine production units for purposes of calculating the depreciation of certain mining properties, as well as to calculate the decommissioning provision and to analyze the impairment of mining units.

b) Impairment

The carrying value of non-financial long-lived assets are tested for impairment when there are situations or changes in circumstances that indicate that the carrying value of a given asset is not recoverable. Whenever there are indicators of impairment, the carrying value of the asset is assessed to determine if it exceeds the recoverable amount, which is the higher of the cash generating unit's fair value less costs of disposal and the value in use of the asset, and if the asset is therefore impaired. For this impairment evaluation, assets are grouped into CGU and their recoverable amount is calculated as the present value of the future cash flows expected to be produced by the assets. When the recoverable amount of an asset or the cash generating unit to which it belongs is less than its net carrying amount, the difference is recognized as an impairment loss.

Grupo Peñoles allocates its mining units and metallurgical plants to CGU comprised of the different mining units and estimates the projection periods for the cash flows. Subsequent changes in CGU allocations or changes in the assumptions used to estimate cash flows or the discount rate could affect the recoverable amounts and therefore the reported carrying amounts of the respective assets.

c) Property, plant, and equipment

Depreciation of property, plant, and equipment, except for certain mining properties, is determined based on the useful lives of the assets. Useful lives are determined based on technical studies performed by specialized internal personnel with the assistance of independent specialists. Grupo Peñoles useful lives are reviewed at least annually and such analyses consider the current condition of the assets and the estimate of the period during which they will generate economic benefits for Grupo Peñoles. Changes in these estimated useful lives could prospectively alter depreciation amounts and the carrying amounts of property, plant, and equipment.

d) Provision for asset decommissioning and rehabilitation

Grupo Peñoles records the present value of estimated costs of legal and constructive obligations required to rehabilitate operating locations in the period in which the obligation is incurred. Estimated rehabilitation costs include the costs of decommissioning and removing structures, rehabilitating mines and tailings dams and decommissioning the processing plant and operating facilities, as well as the costs incurred for rehabilitation, reclamation, and re-vegetation of affected areas. Provisions for asset decommissioning and rehabilitation are recognized at present value at the time the obligation becomes known and provision amounts are calculated based on management's understanding of the related legal requirements and Grupo Peñoles corporate social responsibility policies.

Environmental costs are also estimated by Grupo Peñoles own internal specialists with the support of studies performed by independent experts. Generally speaking, management applies its judgment and experience to estimate decommissioning and rehabilitation costs over the life of each mine.

The costs incurred in future periods may be different from the amounts provided for. Also, the book value of the provision could eventually be affected by future changes in the applicable legislation and regulatory requirements, as well as changes to the estimated useful lives of Grupo Peñoles mines or the discount rates.

The assumptions used in calculating the provisions for the mining unit decommissioning and rehabilitation costs are regularly reviewed based on internationally recognized standards, which require mine closure processes to be carried out. The discount rate is also adjusted to reflect the obligations for ecological restoration at their present value, based on current market interest rates.

4. Significant Accounting Judgments, Estimates and Assumptions (continued)

e) Retirement benefits

Assumptions are used to calculate Grupo Peñoles employee long term retirement benefits. Assumptions, as well as the estimates they give rise to, are determined together with independent actuaries. The assumptions cover demographical hypothesis, discount rates, expected salary increases, estimated working lives, and expected inflation rate, among other areas. Future changes to the assumptions could affect the measurement of the liabilities for personnel benefits and the operating results of the period in which such changes occur.

f) Mining project development

Grupo Peñoles evaluates the status of its various mine development projects, which covers exploration to locate new mineral deposits, and the development and construction of new mining units through the startup of commercial exploitation of the mines. Grupo Peñoles makes judgments and prepares estimates to determine when a project has completed the mineral exploration phase and entered the development phase, and when it has finally reached the production and exploitation phase.

The criteria and estimates used in this evaluation include the determination of a large enough mineral reserve to support the financial viability of a mining project, which represents the completion of the exploration phase and the beginning of the development stage, as well as the level of additional capital investment needed for the project, the amount of the investment already made in the project and the completion of the mine and processing plant testing periods, among other areas. Determining the completion of the different phases of a project has a significant impact on how development costs are accounted for, since during the exploration phase, these costs and expenses are recognized directly in the consolidated statement of profit or loss, during the development stage they are capitalized, and once the production phase is authorized, development costs and expenses are no longer capitalized. See Note 6s.

g) Contingencies

Given their nature, contingencies are only resolved when one or more future events or uncertain facts not entirely under Grupo Peñoles' control either occur or do not occur. The evaluation of the existence of contingencies requires significant judgment and the use of estimates regarding the outcome of future events. Grupo Peñoles evaluates the probability of losing its on-going litigations based on the estimates of its legal advisors and these evaluations are reassessed periodically.

h) Leases

Group Peñoles (as lessee) determines the term as the non-cancellable term of the lease, together with any periods covered by an option to extend if it is reasonably certain to be exercised, or any periods covered by an option to terminate the lease, if it is reasonably certain not to be exercised.

Grupo Peñoles has several lease contracts that include extension options. Grupo Peñoles applies judgment in evaluating whether it is reasonably certain whether or not to exercise the option to renew and to this end, it considers all relevant factors that create an economic incentive for it to exercise the renewal. After the commencement date, Grupo Peñoles reassesses the lease term if there is a significant event or change in circumstances that is within its control and affects its ability to exercise or not to exercise the option to renew or to terminate. Grupo Peñoles included the renewal period as part of the lease term for certain plant and machinery.

4. Significant Accounting Judgments, Estimates and Assumptions (concludes)

Whenever Grupo Peñoles cannot readily determine the interest rate implicit in the lease, it uses the incremental borrowing rate (IBR) to measure lease liabilities. The IBR is the rate of interest that Grupo Peñoles would have to pay to borrow over a similar term, and with a similar security, the funds necessary to obtain an asset of a similar value to the right-of-use asset in a similar economic environment at contract inception date. The IBR therefore reflects what Grupo Peñoles would “have to pay”, which requires estimation when no observable rates are available (such as for subsidiaries that do not enter into financing transactions) or when they need to be adjusted to reflect the terms and conditions of the lease (for example, when leases are not in the subsidiary’s functional currency). Grupo Peñoles estimates the IBR using observable inputs (such as market interest rates) when available and is required to make certain entity-specific estimates (such as the subsidiary’s stand-alone credit rating).

Lease liabilities are measured at the present value of the outstanding lease payments. Lease payments are discounted using the implicit interest rate in the lease if that rate can be readily determined. If the rate cannot be easily determined, the lessee's incremental borrowing rate is used. Subsequently, liabilities are measured using the effective interest rate (EIR) method and are increased to reflect the accretion of interest and reduced for the lease payments made. In addition, carrying amount of liabilities are remeasured if there is a lease modification or reassessment. As at December 31, 2022 and 2021, the weighted average incremental borrowing rate applied to lease liabilities was 5.64% and 5.40%, respectively.

5. Changes in Accounting Policies

New standards, interpretations, and amendments

Grupo Peñoles applied for the first-time certain standards and amendments, which are effective for annual periods beginning on or after January 1, 2022 (unless otherwise indicated). Grupo Peñoles has not early adopted any other standard, interpretation or amendment that has been issued but is not yet effective.

Conceptual Framework References - Modifications to IFRS 3.

The amendments replace the references contained in the Standard in relation to the Framework for the preparation and presentation of financial statements to the current version of the IASB's Conceptual Framework issued in March 2018 without significantly changing its requirements.

The amendments also add an exception to the initial recognition of IFRS 3 “Business Combinations” to avoid the issue of potential “day 2” gains or losses arising from liabilities and contingent liabilities that would be within the scope of IAS 37 or IFRIC 21 Levies, if incurred separately. The exception requires entities to apply the criteria in IAS 37 or IFRIC 21, respectively, instead of the Conceptual Framework, to determine whether a present obligation exists at the acquisition date.

The amendments also add a new paragraph to IFRS 3 to clarify that contingent assets do not qualify for acquisition-date recognition.

In accordance with the transitional provisions, Grupo Peñoles applies the amendments prospectively, that is, to business combinations that occur after the beginning of the annual reporting period in which the amendments are applied for the first time (the date of initial application).

These amendments had no impact on the consolidated financial statements of Grupo Peñoles since there were no business acquisitions or contingent assets, liabilities or contingent liabilities within the scope of these amendments that emerged during the period.

5. Changes in Accounting Policies (concludes)

Amendment to IAS 16 – Property Plant and Equipment: Proceeds before Intended Use.

The modification prohibits entities to deduct from the cost of an item of property, plant and equipment any proceeds from the sale of items produced before that asset is available for use, this means, revenue while bringing the asset to the necessary location and condition so that it can function in the manner intended by the administration. Instead, an entity recognizes the annual revenue from the sale of such products and the costs of producing reports beginning on those items in profit or loss.

In accordance with the transitional provisions, Grupo Peñoles applies modifications retroactively only to items of property, plant and equipment available for use starting the first period presented when the entity applies for the first time the modification as of January 1, 2022.

These modifications had no impact on the consolidated financial statements of Grupo Peñoles since there was no income from such items produced by property, plant and equipment available for use on or after the beginning of the first period presented.

IFRS 9 Financial Instruments – Definition of transaction costs in the 10% test for derecognition of financial liabilities.

The amendment clarifies that when applying the "10 percent" test to assess whether the terms of the new contract or amendment are materially different from the terms of the original financial liability, the entity should only include transaction costs, including only those paid or received between the entity and the creditor, in the same way consider the costs paid or received by the entity or the creditor on behalf of a third party. To date, no similar amendment has been proposed to IAS 39 Financial Instruments: Recognition and Measurement.

In accordance with the transitional provisions, Grupo Peñoles applies the modification to financial liabilities that are modified or exchanged from the beginning of the annual reporting period in which the entity first applies the modification (January 1, 2022).

These modifications had no impact on the consolidated financial statements of Grupo Peñoles since there were no modifications to the financial instruments of Grupo Peñoles during the period.

Amendments to IAS 37. Costs of fulfilling an onerous contract.

The modifications specify that the cost of completing a contract includes costs that are directly related to the contract.

Costs that are directly related to a contract consist of both the increased costs of fulfilling that contract (for example, direct labor or materials) and an allocation of other costs that are directly related to fulfilling contracts (an example would be allocation of the depreciation expense of an item of property, plant and equipment used to fulfill the contract).

These modifications had no impact on the consolidated financial statements of Grupo Peñoles since it does not maintain onerous contracts.

6. Summary of Significant Accounting Policies

A summary of the accounting policies used in the preparation of the financial statements is found below. These policies have been applied consistently in all of the periods presented in the accompanying consolidated financial statements.

6. Summary of Significant Accounting Policies (continued)

a) Foreign currency translation

Functional currency

The functional currency of each consolidated entity is determined based on the currency of the primary economic environment in which each entity operates. Except for certain subsidiaries that are currently not operating or are service providers, the functional currency of all of the entities of Grupo Peñoles is the U.S. dollar.

Translation to the reporting currency

The following methodology was used to translate the subsidiaries' financial statements whose functional currency is different to Grupo Peñoles' functional currency:

- Monetary and non-monetary assets and liabilities are translated at the closing exchange rate of each reported consolidated statement of financial position date.
- Revenue, cost, and expense items in the consolidated statement of profit or loss are translated using the average exchange rate of the period, unless such rates fluctuate significantly during the period, in which case the transactions are translated at the prevailing exchange rate on the transaction date.
- Equity accounts are measured at the historical exchange rates on the dates the capital contributions were made or the income were generated.
- Cumulative translation adjustments are recognized in other comprehensive income.

Foreign currency transactions

Transactions undertaken in currencies other than the entity's functional currency are translated using the exchange rate at the date of the transaction. Foreign currency denominated monetary assets and liabilities are translated using the exchange rate at the reporting date. These translation adjustments are carried directly in the consolidated statement of profit or loss.

The exchange rates used in the preparation of the accompanying consolidated financial statements were as follows:

	<u>2022</u>	<u>2021</u>
Exchange rate as at December 31 (Mexican pesos per U.S. dollar)	19.36	20.58
Average exchange rate (Mexican pesos per U.S. dollar)	20.12	20.28

b) Cash and cash equivalents

Cash and cash equivalents in the consolidated statement of financial position include cash in hand, cash in banks and highly liquid investments with maturities of less than three months, which are easily convertible into cash, have a low exposure to risk of changes in their value and the cash amount to be received can be reliably known. Short-term deposits bear interest at market rates.

For purposes of the consolidated statement of cash flows, cash and cash equivalents consist of the cash and cash equivalents defined above, net of bank overdrafts pending collection.

6. Summary of Significant Accounting Policies (continued)

c) Financial assets

Initial recognition and measurement

Upon initial recognition, Grupo Peñoles values investments in financial instruments held for trading and in financial instruments to collect or sell at their fair value.

The classification of financial assets at initial recognition depends on the contractual characteristics of the cash flows of the financial asset and the business model of Grupo Peñoles to manage those assets. With the exception of accounts receivable that do not contain a significant financing component, Grupo Peñoles initially values a financial asset at its fair value plus, in the case of financial assets that are not measured at fair value through profit or loss. Accounts receivable that does not contain a significant financing component are valued at the transaction price determined in accordance with IFRS 15.

In order for a financial asset to be classified and valued at its amortized cost or at fair value with changes in OCI (Other Comprehensive Income), such asset must give rise to cash flows that are solely payments of principal and interest (SPPI) with respect to the outstanding principal. This evaluation is known as the financial instrument test to collect principal and interest and is carried out at the instrument level. Financial assets with cash flows that are not solely payments of principal and interest are classified and valued at fair value through profit or loss, regardless of the business model.

Grupo Peñoles' business model for managing its financial assets refers to the way it manages its financial assets to generate cash flows for the business when carrying out its activities and not on a particular intention to hold an instrument. The business model determines whether the cash flows will be derived from obtaining contractual cash flows, from the sale of financial assets, or from both.

Purchases or sales of financial assets that require the delivery of assets within a time frame established by a market regulation or agreement (regular-way trades) are recognized on the trade date; that is, the date on which Grupo Peñoles commits to buy or sell the asset.

Upon initial recognition, Grupo Peñoles measures a financial asset at its fair value plus, in the case of a financial asset that is not at fair value through profit or loss (FVTPL), the transaction costs that are directly attributable to the purchase of the financial asset. Transaction costs of financial assets measured at FVTPL are recognized directly in profit or loss.

Financial assets that contain embedded derivatives are fully recognized when it is determined that their cash flows are solely payments of principal and interest.

Subsequent recognition

For the purpose of its subsequent recognition, Grupo Peñoles classifies its financial assets into the following categories:

- Financial assets at amortized cost
- Financial assets at fair value through Other Comprehensive Income (OCI), and
- Financial assets at fair value through profit or loss.

6. Summary of Significant Accounting Policies (continued)

For financial assets measured at fair value, gains and losses are recognized through profit or loss or OCI. The classification of investments in not held-for-trading equity instruments will depend on whether upon initial recognition Grupo Peñoles elected to classify irrevocably its equity investments as equity instruments designated at fair value through OCI (FVTOCI).

Grupo Peñoles reclassifies its debt instruments only when its business model for managing these financial assets changes.

Purchases or sales of financial assets are recognized on the trade date, which is the date that Grupo Peñoles commits to purchase or sell the asset.

Debt instruments are subsequently measured depending on the business model for managing the asset and the characteristics of its cash flows. There are three measurement categories into which debt instruments can be classified.

Financial assets at amortized cost

Financial assets that are held to collect contractual cash flows are recognized at amortized cost when such cash flows meet the criteria for being considered solely payments of principal and interest (SPPI). Interest income from these financial assets is included as part of Finance income and is calculated using the effective interest rate (EIR) method. Exchange differences arising on financial assets at amortized cost that are not part of a hedging relationship are recognized in profit or loss under Foreign exchange (loss)/gain. Any gain or loss arising from the derecognition of a financial asset is recognized directly in profit or loss. Amortized cost is reduced for impairment losses which are presented as a separate line item in the consolidated statement of profit or loss.

Grupo Peñoles financial assets at amortized cost mainly consist of trade receivables (except for trade receivables measured at fair value through profit or loss).

Financial assets at fair value through OCI with recycling of cumulative gains and losses (FVTOCI)

Financial assets that are held to collect contractual cash flows that meet the criteria for being considered solely payments of principal and interest (SPPI) and are held within a business model with the objective of selling the financial asset are recognized at fair value through OCI. Changes in the fair value of financial assets are recognized in OCI, except for impairment losses, interest income calculated using the EIR method and foreign exchange gains and losses, which are recognized in profit or loss. Upon derecognition of a financial asset, any cumulative gain or loss previously recognized in OCI is reclassified to profit or loss. Interest income from these financial assets is recognized under Finance income. Foreign exchange gains and losses are recognized under Foreign exchange (loss)/gain and impairment losses are presented as a separate line item in profit or loss.

Equity instruments at fair value through OCI with no recycling of cumulative gain and losses upon derecognition

Grupo Peñoles has listed equity investments that are not held for trading under the business model applied and it thus elected to classify these equity investments irrevocably as equity instruments at fair value through OCI. These investments were classified on an instrument-by-instrument basis.

Unrealized gains and losses resulting from equity instruments at fair value through OCI are recognized directly in OCI and will never be recycled to profit or loss. Dividends are recognized as Other income in the consolidated statement of profit or loss when the right of payment has been established, except when Grupo Peñoles benefits from such proceeds as a recovery of part of the cost of the financial asset. Equity instruments designated at fair value through OCI are not subject to impairment assessment.

6. Summary of Significant Accounting Policies (continued)

Financial assets at fair value through profit or loss

Financial assets that do not meet the criteria to be recognized at amortized cost or at fair value through OCI are measured at fair value through profit or loss. Gains and losses arising from debt instruments that are subsequently measured at fair value through profit or loss are recognized in profit or loss and the net amount is presented under Finance income in the period in which they occur.

Changes in the fair value of financial assets at fair value through profit or loss are recognized under Finance income in the statement of profit or loss, as applicable.

Derivative financial instruments that are not designated as hedging instruments are recognized at fair value through profit or loss.

Derecognition of financial assets

Financial assets are derecognized when the rights to receive cash flows from these assets have expired or have been transferred and when substantially all the risks and rewards of the asset have been transferred.

When Grupo Peñoles has transferred its rights to receive cash flows from an asset or has entered into a pass-through arrangement, it evaluates if, and to what extent, it has retained the risks and rewards of ownership. When it has neither transferred nor retained substantially all of the risks and rewards of the asset, nor transferred control of the asset, Grupo Peñoles continues to recognize the transferred asset to the extent of its continuing involvement. In that case, Grupo Peñoles also recognizes an associated liability. The transferred asset and the associated liability are measured on a basis that reflects the rights and obligations that Grupo Peñoles has retained.

Grupo Peñoles enters into factoring agreements with the purpose of obtaining better term conditions in the collection of certain accounts receivables from clients, assuming a financial cost. As at December 31, 2022 and 2021, the financial assets that were derecognized due to the substantial transfer of all risks and rewards amount to \$23,161 and \$39,161, respectively.

d) Impairment of financial instruments

Grupo Peñoles recognizes an allowance for expected credit losses (ECLs) for all of its debt instruments measured at amortized cost and at fair value through OCI, except for the equity instruments irrevocably classified as equity instruments at fair value through OCI.

Lifetime ECLs are recognized according to the simplified approach permitted under IFRS 9 *Financial Instruments*. ECLs of an asset are recognized before the instrument is in default. In order to determine the credit risk, Grupo Peñoles uses the historical default rates over the expected life of its trade receivables, which are then adjusted based on forward-looking estimates taking into consideration the most relevant macroeconomic factors affecting their collectability.

For financial assets carried at amortized cost, the amount of the ECL is measured as the difference between the asset's carrying amount and the present value of the estimated future cash flows discounted at the financial asset's original effective interest rate.

e) Derivative financial instruments

Hedging derivatives

Grupo Peñoles uses hedging derivatives to reduce certain market risks related to changes in metal prices, energy costs, exchange rates, interest rates, and the value of its financial assets and liabilities.

6. Summary of Significant Accounting Policies (continued)

Grupo Peñoles' transactions with derivatives are limited in volume and confined to risk management activities. Grupo Peñoles senior management takes an active part in the analysis and monitoring of the design, performance and impact of Grupo Peñoles hedging strategies and transactions with derivatives. Hedges are also designed to protect the value of expected mining-metallurgical-chemical production against the dynamic market conditions.

All derivative financial instruments are recognized as financial assets and liabilities and stated at fair value.

Grupo Peñoles documents, at inception of the transaction, the relationship between hedging instruments and hedged items, as well as its risk management objectives and strategy for undertaking various hedging transactions.

This documentation includes the identification of the derivative financial instrument, the item or transaction being hedged, the nature of the risk being hedged and the method that will be used to evaluate whether the derivatives that are used in hedging transactions are highly effective in offsetting changes in fair values or cash flows of hedged items. Hedges should be highly effective in neutralizing the effects of fluctuations in the fair value or cash flows and they are constantly evaluated to determine whether they are actually effective throughout the reporting periods to which they have been assigned. Hedges that meet the criteria are recognized as explained below.

Cash flow hedges

For derivatives that are designated and qualify as cash flow hedges (forwards and swaps), the gain or loss from the effective portion of changes in fair value is recorded as a separate component in equity and is carried to the consolidated statement of profit or loss at the settlement date, as part of either the sales, cost of sales or finance income and cost caption. The ineffective portion of changes in the fair value of cash flow hedges is recognized in the consolidated statement of profit or loss as part of finance costs.

If the hedging instrument matures or is sold, terminated or exercised without being replaced or if its designation as a hedge is revoked, the cumulative gain or loss recognized directly in equity as of the effective date of the hedge remains in equity and is recognized when the forecasted transaction occurs. When a forecasted transaction is no longer expected to occur, the cumulative gain or loss recognized in equity is immediately carried to profit or loss.

Derivatives designated as hedges that are effective hedging instruments are classified based on the classification of the underlying item. The derivative instrument is divided into a short-term portion and a long-term portion only if the two portions can be determined reliably.

Fair value hedges

Grupo Peñoles derivatives, which it acquires primarily as hedges for its metal inventories or firm purchase commitments, are designated as fair value hedges. Changes in the fair value of Grupo Peñoles fair value hedges are recognized in profit or loss, along with the changes in the fair value of the item being hedged or attributable to the risk being hedged. The primary objective of Grupo Peñoles fair value hedging strategy is to offset changes in the value of its metal inventories.

Embedded derivatives

Grupo Peñoles financial and non-financial agreements, other than those classified as assets under IFRS 9 *Financial Instruments*, are evaluated to determine whether they contain embedded derivatives. Embedded derivatives are separated from the host contract and are recorded at their fair value if the economic characteristics and risks of the embedded derivative are not closely related to those of the host contract or a separate instrument with the same terms, the embedded derivative meets the definition of derivative and is not recognized at fair value through profit or loss.

Embedded derivatives that are separated from the host contract are recognized according to the applicable financial reporting standards.

6. Summary of Significant Accounting Policies (continued)

f) Fair value measurement

Grupo Peñoles measures its financial instruments at fair value on each reporting date. The fair values of the financial instruments are disclosed in Note 38.

Fair value is the price that will be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fair value measurement is based on the presumption that the transaction to sell the asset or transfer the liability takes place either:

- In the principal market for the asset or liability, or
- In the absence of a principal market, in the most advantageous market for the asset or liability.
- The principal or the most advantageous market must be accessible by Grupo Peñoles.

The fair value of an asset or a liability is measured using the assumptions that market participants would use when pricing the asset or liability, assuming that market participants act in their economic best interest.

A fair value measurement of a non-financial asset takes into account a market participant's ability to generate economic benefits by using the asset in its highest and best use or by selling it to another market participant that would use the asset in its highest and best use.

Grupo Peñoles uses valuation techniques that are appropriate in the circumstances and for which sufficient data are available to measure fair value, maximizing the use of relevant observable inputs and minimizing the use of unobservable inputs.

All assets and liabilities for which fair value is measured or disclosed in the financial statements are categorized within the fair value hierarchy, described as follows, based on the lowest level input that is significant to the fair value measurement as a whole:

- Level 1: Quoted (unadjusted) prices in active markets for identical assets or liabilities.
- Level 2: Valuation techniques for which the lowest level input that is significant to the fair value measurement is directly or indirectly observable.
- Level 3: Valuation techniques for which the lowest level input that is significant to the fair value measurement is unobservable.

For assets and liabilities that are recognized in the consolidated financial statements at fair value on a recurring basis, Grupo Peñoles determines whether transfers have occurred between levels in the hierarchy by reassessing categorization (based on the lowest level input that is significant to the fair value measurement as a whole) at the end of each reporting period.

For the purpose of fair value disclosures, Grupo Peñoles has determined classes of assets and liabilities on the basis of the nature, characteristics and risks of the asset or liability and the level of the fair value hierarchy, as explained above. Note 38 provides further information on fair values.

6. Summary of Significant Accounting Policies (continued)

g) Inventories

Inventories are valued at the lower of cost or net realizable value, as follows:

Inventories of minerals concentrates and doré are recognized at production cost, which includes direct costs and an appropriate portion of the fixed and variable general expenses (based on normal operating capacity), including depreciation and amortization incurred for the mineral extraction and concentration of the metals contained in such. Mineral concentrate and doré purchases are recognized at cost, plus direct purchasing expenses.

Inventories of refined metals and production in process include the mine production costs and/or mineral and concentrate acquisition costs, plus the treating and refining costs, which are recognized in proportion to the percentage of completion of their transformation to refined metal. Inventories of metal byproducts and free metals obtained from the treatment and refining process are recognized at their estimated realizable value.

As indicated in Note 38, Grupo Peñoles fair value hedges acquired to hedge the value of certain refined metal inventories or inventories under firm purchase commitments are measured at fair value. Consequently, metal inventories being hedged are measured at their fair value and subsequent changes in fair value are recognized in the consolidated statement of profit or loss, with this effect being offset by the effects of the fair value valuation of the derivative financial instruments.

Costs are determined using the weighted average cost method.

The net realizable value of inventories is their estimated selling price in the ordinary course of business, less estimated costs of completion and selling costs.

Operating materials and spare part inventories are recorded at weighted average cost less the impairment loss from slow-moving and obsolete inventories. A periodic review is performed to determine the impairment loss in inventory.

h) Prepaid expenses

Prepaid expenses are recognized at the time the expense is paid and based on the actually paid amount. Prepaid expenses are either capitalized or recognized in profit or loss as an expense, depending on whether there is certainty that the acquired goods or services will generate future economic benefits.

Grupo Peñoles periodically evaluates its prepaid expenses to determine the likelihood that they will cease to generate future economic benefits and to assess their recoverability. Unrecoverable prepaid expenses are recognized as impairment losses in profit or loss.

i) Property, plant, and equipment

Property, plant, and equipment is initially measured at cost. The cost includes the purchase price and any other costs directly attributable to refurbishing and getting the asset ready for use, including provisions for decommissioning or retirement, as well as interest costs. The cost of internally built assets includes materials, direct labor, and an appropriate allocation of indirect costs of construction.

Depreciation and depletion are calculated on the asset's acquisition cost, less the residual value of the property, plant and equipment throughout their useful lives or the waiting period in which the benefits of their use will be received. The estimate useful life of each asset has been evaluated considering the limitations of its physical life and the estimate of the economically recoverable mineral reserves of the mine where the assets are located.

6. Summary of Significant Accounting Policies (continued)

Depreciation begins when the asset is available for use, on the following bases:

- Metallurgical, chemical, and industrial plants are depreciated on a straight-line basis at annual rates determined on the basis of the useful lives of the related assets.
- Mining concessions and construction, pre-operating expenses, facilities and processing plants are depreciated based on a depletion factor calculated by dividing the tonnage of ore extracted during the year by the total mineral reserves of the mine where the asset is located, except when the useful life of an asset is less than the life of the mine, in which case they are depreciated on a straight-line basis. The useful lives of certain land at mining units are limited to the time over which Grupo Peñoles will obtain economic benefits from the mining units; this land is amortized over the same period.

An analysis of the average weighted remaining useful lives is as follows:

	<u>No. of years</u>
Mining properties	10
Metallurgic and chemical plants	7
Buildings and land	10 and 7
Other assets	5

Decommissioning and rehabilitation

The present value of the initial estimate of the obligation to decommission and rehabilitate mining sites is included in the cost of the mining properties and any adjustments to such obligation resulting from changes in the estimated cash flows needed to cover the obligation at the end of the useful life of the mining unit are accounted for as additions to or reductions from investments in mining units in the property, plant, and equipment caption

Mine properties, mine development and stripping costs

Mine properties and mine development and stripping costs are recognized at cost less accumulated depletion and, when applicable, impairment losses.

Purchases of mineral resources and mineral reserves are recognized as assets at cost or at fair value if they were acquired as part of a business combination.

The initial cost of a mining property includes construction costs, all costs directly related to getting the property ready for operation and the initial estimated cost of the decommissioning provision.

When an exploration prospect has entered the advanced exploration stage and there is sufficient evidence of probable economic mineral reserves, the costs associated with getting the mine ready for operations are capitalized as mine development costs.

Revenue earned on the sale of metal from the minerals extracted in the development stage prior to commercial production is recognized as income of the period

At the beginning of production, capitalized costs and expenses are depreciated using the units-of-production method based on estimates of the related proved and probable mineral reserves.

Costs directly and indirectly attributable to stripping activities for surface mines, which includes the removal of overburden and other waste to gain access to mineral ore deposits, are recognized as an asset for each identifiable ore body at the time improved access to the ore body is achieved and it is probable that the future economic benefits associated with the stripping activity will flow to the entity during the mine's production phase.

6. Summary of Significant Accounting Policies (continued)

When the stripping activity includes the removal of materials to improve access to the ore body and also includes mineral extraction activities so that the costs of the stripping activity asset and the inventory produced are not separately identifiable, production stripping costs are allocated between the inventory produced and the stripping activity asset by using an allocation basis that is based on a relevant production measure. This production measure shall be calculated for the identified component of the ore body and shall be used as a benchmark to identify the extent to which the additional activity of creating a future benefit has taken place.

After the initial recognition of a stripping asset, it is subsequently recognized in the consolidated statement of financial position at cost, less depreciation or amortization and any impairment loss.

Depreciation of stripping costs is calculated based on the mine's depletion rate, which is calculated by dividing the number of tons of extracted ore by the number of tons of mineral reserves of each ore body associated with the stripping costs.

Assets under construction

Assets under construction are capitalized as components of property, plant, and equipment items. Once construction is complete, these assets are reclassified to property, plant and equipment and depreciation begins as of the date they are capitalized, which is when their period of use begins.

Sale and retirement of assets

Property, plant, and equipment items are retired or sold when Grupo Peñoles no longer expects to receive future economic benefits from them. The gain or loss on the sale or retirement of an asset is calculated as the difference between an asset's net selling price and its net carrying amount and is recognized in the consolidated statement of profit or loss.

Maintenance and repairs

Major repairs are capitalized if the related recognition criteria are met, while at the same time the carrying values of the parts being replaced are cancelled. All other expenses, including repairs and maintenance, are recognized in the consolidated statement of profit or loss as they are incurred.

Borrowing costs

Borrowing costs directly related to the acquisition, construction, or production of qualifying assets, which are assets requiring a substantial period, usually twelve months or more, to get them ready for use, are added to the cost of the assets throughout their construction phase and until such time as operation and/or exploitation of the asset begins. The interest obtained on temporary investments of borrowed funds that have yet to be used for the construction of the corresponding qualifying assets are deducted from the costs of capitalized loans

j) Leases

At the beginning of the contract Grupo Peñoles evaluates whether a contract is, or contains, a lease. That is, if the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration.

Grupo Peñoles applies a single recognition and measurement approach to all leases, except short-term leases and leases of low-value assets. Lease contracts as defined by IFRS 16 *Leases* are recognized in the consolidated statement of financial position, which results in the recognition of an asset that represents the right to use the underlying asset during the lease term and a liability related to the payment obligation.

6. Summary of Significant Accounting Policies (continued)

Right-of-use asset measurement

Right-of-use assets are amortized from the commencement date to the end of their useful life or to the end of the lease term. If ownership of the underlying asset transfers to the lessee at the end of the lease term or the cost of the right-of-use asset reflects the exercise of a purchase option, amortization is calculated from the commencement date to the end of the useful life of the underlying asset.

At the commencement date, the right-of-use asset is measured at cost and includes:

- The amount of lease liabilities recognized and lease payments, if any, made at or before the commencement date less any lease incentives received.
- If applicable, any initial direct costs incurred by the lessee in obtaining the contract. Initial direct costs are incremental costs that would not have been incurred if the lease had not been obtained, and
- The present value of the estimated costs incurred in restoring and dismantling the underlying asset according to the contract terms.

After initial recognition, right-of-use assets are amortized on straight-line basis over the shorter of the useful life of the assets and the lease term as follows:

- Buildings from 1 to 10 years
- Machinery and equipment from 7 to 22 years
- Computer equipment and other assets from 2 to 5 years

If ownership of the leased asset is transferred to Grupo Peñoles at the end of the lease term or the cost reflects the exercise of a purchase option, amortization is calculated using the estimated useful life of the asset.

Right-of-use assets are also subject to impairment tests as they are non-financial assets.

Lease liability measurement

At the commencement date of the lease, Grupo Peñoles recognizes lease liabilities measured at the present value of lease payments to be made over the lease term.

Lease liability measurement includes the following lease payments:

- Fixed payments, including variable payments that are fixed in substance as they are unavoidable.
- Variable lease payments that depend on an index or a rate and that are initially measured using the index or rate ruling at the commencement date.
- Amounts expected to be paid by the lessee under residual value guarantees.
- The exercise price of a purchase option reasonably certain to be exercised by the lessee, and
- Payments of penalties for terminating the lease, if the lease term reflects the lessee exercising the option to terminate.

Lease liabilities are subsequently measured using a process similar to the amortized cost method and the application of a discount rate and are increased to reflect the accretion of interest resulting from the lease liability discount at the beginning of the period, less any lease payments made. Variable payments that are not considered in the initial measurement and that are incurred during the period are directly recognized in profit or loss.

6. Summary of Significant Accounting Policies (continued)

Lease liabilities may be remeasured in the following situations: i) change in the lease term; ii) modification related to the assessment of the reasonably certain nature (or not) of the exercise of an option; iii) remeasurement related to the residual value guarantees; and iv) adjustment to the rates and indexes used to calculate the rent at the time the rent adjustments occur.

Short-term leases and leases in which the underlying asset is of low value

Grupo Peñoles applies the short-term lease recognition exemption to its short-term leases of machinery and equipment (i.e., those leases that have a lease term of 12 months or less from the inception date and do not contain a purchase option). Grupo Peñoles also applies the exemption to the recognition of leases of low-value assets to office equipment leases and others that are considered to be of low value.

Lease payments for short-term leases and leases of low-value assets are recognized as an expense as they accrue on a straight-line basis over the lease term.

k) Intangible assets

Intangible assets are recognized if, and only if, it is probable that the future economic benefits associated with the intangible asset will flow to Grupo Peñoles and the cost of the asset can be reliably measured.

Intangible assets with finite useful lives are valued at cost less accumulated amortization and impairment losses. Amortization is recognized based on the estimated useful life of the intangible, on a straight-line basis.

Intangible assets with finite useful lives consist of software licenses. Grupo Peñoles has no intangible assets with indefinite useful lives.

l) Impairment of non-financial long-lived assets

The carrying amount of non-financial long-lived assets is tested for impairment when there are situations or changes in circumstances that indicate that the asset's carrying amount is not recoverable. At each reporting date, non-financial long-lived assets are tested to determine whether there are indicators of impairment.

If there are indicators of impairment, a review is conducted to determine whether the carrying amount exceeds the recoverable amount of the asset and it is impaired. Such review is undertaken on an asset-by-asset basis, except where such assets do not generate cash flows independent of other assets, and then the review is undertaken at the cash generating unit level.

If the carrying amount of an asset or its cash generating unit exceeds the recoverable amount, an impairment loss is recognized by reducing the carrying amount of the asset in the consolidated statement of financial position to the asset's recoverable amount. Impairment losses are recognized in profit or loss.

The recoverable amount of an asset is the higher of either its value in use or fair value less its disposal cost. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. In assessing value in use, estimated future cash flows are discounted to their present value using an after-tax discount rate that reflects current market assessments of the time value of money and the risks specific to each asset. For an asset that does not generate cash flows independently from other assets or groups of assets, the recoverable amount is determined for the cash generating unit to which the asset belongs. Cash generating units are the smallest identifiable groups of assets that generate cash flow that is independent from the cash flow attributable to other assets or groups of assets.

6. Summary of Significant Accounting Policies (continued)

Grupo Peñoles bases its impairment calculation on most recent budgets and forecast calculations, including mine plans, estimated quantities of recoverable minerals, production levels, operating costs, and capital requirements, which are prepared separately for each of Grupo Peñoles CGUs to which the individual assets are allocated. The recoverable amount of property, plant and equipment is based on the value in use of cash generating units calculated by discounting the present value of future cash flows based on projections, forecasts and expectations that are approved by management for periods of more than four years. The estimated future cash flows are discounted to their present value using a post-tax discount rate.

At each reporting date, an evaluation is performed to determine whether there are any changes in the circumstances and estimates that would mean that previously recognized impairment no longer exists or should be reversed. If so, the carrying amount of the asset is increased to the asset's recoverable amount and the effects of this reassessment are recognized in the consolidated statement of profit or loss by such increase. The new carrying amount is limited to the carrying amount that would have been determined for the asset, net of any depreciation, if no impairment had been recognized in prior years.

m) Financial liabilities

Initial recognition and measurement

Financial liabilities are classified, at initial recognition, as financial liabilities at fair value through profit or loss, loans and borrowings, payables, or as derivatives designated as hedging instruments in an effective hedge, as appropriate.

All financial liabilities are recognized initially at fair value, and, in the case of loans and borrowings, net of directly attributable transaction costs.

Financial liabilities include accounts payable to suppliers and other accounts payable, financial debt and loans and derivative financial instruments.

Subsequent measurement of financial liabilities depends on their initial classification, as follows:

Financial liabilities at fair value through profit or loss

Financial liabilities held for trading are recognized at fair value through profit or loss. Financial liabilities are classified as held for trading if they are incurred with the purpose of being repurchased in the near term. Grupo Peñoles also recognizes derivatives do not comply with the requirements designated as hedges at fair value through profit or loss.

Financial liabilities are recognized at fair value, and any change in the fair value is directly recognized in profit or loss.

Financial liabilities at amortized cost

This category applies to all financial liabilities other than those measured at fair value through profit or loss. Grupo Peñoles also recognizes its bonds and debentures, bank loans, accounts payable to suppliers and other accounts payable at amortized cost.

Financial liabilities at amortized cost are measured using the effective interest rate method (EIR) by taking into consideration any transaction costs and recognizing the interest expense on the basis of the effective interest rate. Non-interest-bearing trade and other short-term payables are stated at nominal value since this value does not significantly differ from their fair value.

The amortized cost is calculated by taking into consideration any discount or acquisition premium and the fees or costs that are an integral part of the effective interest rate method. The amortization of the effective interest rate is recognized under financial expenses in the income statement.

6. Summary of Significant Accounting Policies (continued)

Derecognition of financial liabilities

A financial liability is derecognized when the obligation under the liability is cancelled or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as the derecognition of the original liability and the recognition of a new liability, and the difference in the respective carrying amounts is recognized in profit or loss.

n) Provisions

Provision for decommissioning and rehabilitation

Grupo Peñoles records the present value of estimated costs of legal and constructive obligations required to rehabilitate mining units in the period in which the obligation is incurred. Estimated rehabilitation costs include the costs of decommissioning and removing structures, rehabilitating mines and tailings dams and decommissioning the processing plant and operating facilities, as well as the cost incurred for rehabilitation, reclamation, and re-vegetation of affected areas.

The obligation generally arises when the asset is installed, or the ground/environment is disturbed at the production location. When the liability is initially recognized, the present value of the estimated cost is capitalized by increasing the carrying amount of the related mining assets, provided they give rise to a future economic benefit. Over time, the discounted liability is increased for the change in present value based on the discount rates that reflect the time value of money and the risks specific to the liability. The periodic unwinding of the discount is recognized in the consolidated statement of profit or loss as a finance cost.

Changes to estimated future costs are recognized in the consolidated statement of financial position by either increasing or decreasing the decommissioning liability and asset to which it relates. For closed sites, changes to estimated costs are recognized immediately in the consolidated statement of profit or loss.

Decommissioning and rehabilitation assets are depreciated over the estimated production period of the mining unit where they are located. Depreciation is recognized in the consolidated statement of profit or loss as part of the Cost of sales caption.

Other provisions

Provisions are recognized when Grupo Peñoles has a present obligation (legal or constructive) as a result of a past event, it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation. If the effect of the time value of money is material, provision amounts are determined as the present value of the expected outflow of resources to settle the obligation. The provisions are discounted using a pre-tax rate that reflects the current market conditions at the date of the consolidated statement of financial position and, when appropriate, the risks specific to the liability. When discounting is used, the increase in the provision due to the passage of time is recognized as a finance cost.

o) Dividends

Dividends payable to the shareholders of Grupo Peñoles are recognized as a liability at the time they are declared and authorized, or when the shareholders delegate the authorization of the amount of a dividend to another body. Dividends payable to the holders of non-controlling interests are recognized as a liability when they are declared by the shareholders or partners of the subsidiaries with shareholders or partners with non-controlling interests.

6. Summary of Significant Accounting Policies (continued)

p) Employee benefits

Short-term employee benefits

Liabilities for employee benefits are recognized in the consolidated statement of profit or loss on an accrual basis considering the wages and salaries that Grupo Peñoles expects to pay at the date of the consolidated statement of financial position, including the related taxes that will be payable by Grupo Peñoles. Paid absences and vacation premiums are expensed as the benefits accrue.

Defined benefit plan

The cost of providing benefits under the defined benefit plan is determined using the projected unit credit actuarial valuation method based on the earnings of employees and their years of service. The actuarial valuation is prepared by an independent actuarial firm at each year end. The liability is recognized at present value using a discount rate that represents the yield at the reporting date on credit-rated bonds that have maturity dates approximating the terms of Grupo Peñoles obligations and that are denominated in the same currency in which the benefits are expected to be paid.

The remeasurement of liabilities related to defined benefit plans consist of actuarial gains and losses and the return on plan assets. Such actuarial gains and losses are recognized immediately in equity as components of other comprehensive income, and all expenses related to the defined benefit plans are recognized in profit or loss of the period.

The defined benefit asset or liability comprises the present value of the defined benefit obligation less the fair value of plan assets of which the obligations are to be settled directly. The value of any asset is restricted to the present value of any economic benefits available in the form of refunds from the plan or reductions in the future contributions to the plan.

Seniority premiums

In accordance with Mexican labor law, Grupo Peñoles is required to pay a premium equal to 12 days' salary (capped at twice the minimum wage) for each year of service to its outgoing employees who have rendered 15 or more years of service.

The cost of benefits related to seniority premiums payable upon voluntary retirement of unionized employees is calculated using the projected unit credit actuarial valuation method. Defined benefit plan seniority premiums payable to non-unionized employees are funded through the defined benefit plan.

Defined contribution plan

The defined contribution plan is an employee retirement benefit plan to which Grupo Peñoles pays a fixed contribution but has no obligation to pay in any subsequent amounts. Grupo Peñoles obligations in respect of contributions payable under the defined contribution pension plan are recognized in the consolidated statement of profit or loss as employee benefit expenses at the time the contributions become payable. Contribution amounts are determined based on the employee's salary.

Termination benefits

Employee termination benefits for involuntary retirement or dismissal are recognized in the consolidated statement of profit or loss of the year in which such payments are made or whenever Grupo Peñoles obligation to pay such amounts can be reliably demonstrated and when Grupo Peñoles recognizes restructuring costs according to IAS 37 *Provisions*, and the restructuring involves the payment of termination benefits.

6. Summary of Significant Accounting Policies (continued)

Employee profit sharing (EPS)

In accordance with Mexican legislation, Grupo Peñoles must distribute an employee profit sharing which is determined based on the ten percent of the annual profit tax of each subsidiary. For this benefit a limit was established for each of the entitled employees in terms of article 127, section VII of the Federal Labor Law, which consists of a maximum of three-month salary or the average employee profit sharing paid on the last three years. Employee profit sharing is accounted for as employee benefits and is calculated based on the services provided by employees during the year, considering their most recent salaries. The liability is recognized by decreasing the consolidated results. The employee profit sharing paid in each fiscal year is deductible for purposes of income tax.

q) Income tax

Current income tax

Current income tax assets and liabilities are measured at the amount expected to be recovered from or paid to the tax authority.

Deferred income tax

Deferred income tax is computed using the balance method, based on temporary differences between carrying amounts for financial reporting and tax basis values of assets and liabilities at the reporting date.

The tax rates and tax laws used to calculate deferred income tax are those that are enacted or substantively enacted at the reporting date.

Deferred tax liabilities are recognized for all taxable temporary differences, except:

- When the deferred tax liability arises from the initial recognition of goodwill or an asset or liability in a transaction that is not a business combination and, at the time of the transaction, affects neither the accounting profit nor taxable profit; and
- In respect of taxable temporary differences associated with investments in subsidiaries and associates, when the controlling company, the investor or venturer can control the timing of the reversal of the temporary differences and it is probable that the temporary differences will not reverse in the foreseeable future.

Deferred tax assets are recognized for all deductible temporary differences and for the amortization of unused tax credits and tax losses, to the extent that it is probable that taxable profit will be available against which the deductible temporary differences, and the carryforward of unused tax credits and unused tax losses can be utilized, except:

- When the deferred tax asset related to the temporary difference arises from the initial recognition of an asset or liability in a transaction that is not a business combination and at the time of the transaction, the deferred tax asset does not affect either the book income or taxable profit or tax loss.

The carrying amount of deferred income tax assets is reviewed at each reporting date and is reduced to the extent that it is probable that sufficient taxable profit will be available to allow the deferred income tax assets to be realized either partially or in full.

Deferred income tax assets and deferred income tax liabilities are offset, only if Grupo Peñoles has a legally enforceable right to do so and if the assets and liabilities derive from income tax corresponding to the same tax authority.

6. Summary of Significant Accounting Policies (continued)

Current and deferred income tax corresponding to other components of comprehensive income or loss recognized directly in equity is recognized directly in equity rather than in earnings.

Grupo Peñoles has assessed whether there is uncertainty over the appropriate income tax treatment (IFRIC 23), considering (i) any uncertain tax treatment taken, (ii) the assumptions it made about the examination of tax treatments by taxation authorities, (iii) how it determined the taxable profit (tax loss), tax bases, unused tax losses, unused tax credits and tax rates, and (iv) how it considered changes in facts and circumstances.

Special tax over mining companies

Grupo Peñoles recognized deferred assets resulting from the temporary differences between the carrying amount and tax basis of its assets and liabilities related to the calculation of the special tax for mining companies, since this special tax is calculated on the basis of Grupo Peñoles earnings, in accordance with applicable tax laws. See Note 21.

r) Revenue recognition

Revenue is recognized at an amount that reflects the consideration to which Grupo Peñoles expects to be entitled in exchange for transferring goods to a customer and once Grupo Peñoles has satisfied the performance obligations of its sales agreements.

Revenue from the sale of goods is recognized when the control of the related goods has been physically transferred to the buyer, which generally occurs at the time ownership of the product is physically transferred to the customer and collection of the related accounts receivable is reasonably assured. The performance obligations of Grupo Peñoles consist in the sale of products and the rendering of freight services, both are considered a single performance obligation within the context of the contract. Revenue is recognized as the performance obligation is satisfied.

The prices of refined metals are essentially determined by international prices, to which a premium is added, depending on the region where the products are sold, as well as the specific market conditions of the region in question.

Certain provisional pricing arrangements, primarily for the sale of concentrates, include future spot price adjustments to be determined after shipment of the product to the customer, and adjustments based on final assay results of the metal in concentrate originally determined by Grupo Peñoles. The revenue from sales under these agreements is recognized at the point in time when the control of the related goods is transferred to the buyer according to the agreed conditions and is measured using a provisional pricing and the most recent estimate of metal in concentrate (based on initial assay results).

For these provisional pricing arrangements, any future changes that occur over the quotation period are embedded within the provisionally priced trade receivables and are, therefore, within the scope of IFRS 9 *Financial Instruments* and not within the scope of IFRS 15 *Revenue from Contracts with Customers*. These provisionally priced trade receivables are measured at fair value through profit or loss at each reporting date through the end of the quotation period based on the selling price for the quotation period stipulated in the base agreement. The forward sales price of the metals can be reliably determined as long as such metals continue to be sold in international markets. The unrealized gain or loss on agreements with forward prices is recognized in the consolidated statement of profit or loss. The subsequent adjustment to the initial estimate of metal in concentrate is also recognized in profit or loss after such estimate is determined based on final assay results, the conditions of the agreement have been met and the payment terms have been agreed on. The period between provisional invoicing and the end of the quotation period can be between one and four months.

As discussed above, the nature of the pricing terms is such that depending on the future market price and the length of the quotation period at contract inception, all consideration is considered variable, and will be recognized using the variable consideration allocation exception. This variable consideration is subject to constrain.

6. Summary of Significant Accounting Policies (continued)

Grupo Peñoles acts as a principal in its revenue contracts because it typically controls the goods before transferring them to the customer.

Contract assets

A contract asset is the right to consideration in exchange for goods or services transferred to the customer. If Grupo Peñoles performs by transferring goods or services to a customer before the customer pays consideration or before payment is due, a contract asset is recognized for the earned consideration that is conditional.

Contract liabilities

A contract liability is the obligation to transfer goods or services to a customer for which Grupo Peñoles has received consideration (or an amount of consideration is due) from the customer. If a customer pays consideration before Grupo Peñoles transfers goods or services to the customer, a contract liability is recognized when the payment is made or the payment is due (whichever is earlier). Contract liabilities are recognized as revenue when Grupo Peñoles performs under the contract.

Interest income is recognized as it accrues using the effective interest rate method, which is the rate that exactly discounts the estimated future cash payments or receipts through the expected life of the financial instrument or a shorter period, where appropriate, to the net carrying amount of the financial asset.

s) Mine exploration and development costs and expenses

Exploration includes the search for mineral resources, the determination of the mine's technical feasibility, and the assessment of the commercial viability of identified resources. These costs and expenses are recognized in the following captions:

- Exploration expenses. The expenses incurred exploring for new deposits, including, among others, drilling, sample testing and pre-viability studies, are recognized in the consolidated statement of profit or loss at the time it is sufficiently probable that the mineral reserves of the specific project will be economically recoverable and a feasibility study is performed. Also, expenses incurred to increase mineral reserves in areas near existing mines are recognized in the consolidated statement of profit or loss.
- Assets under construction. Exploration costs incurred in the development of a mine through its start-up of operations are capitalized. These costs include the construction of mine infrastructure and work carried out prior to the start-up of operations of the mine.
- Mining properties. The costs incurred in developing new areas of exploitation in mining units in operation are recognized as part of mining properties and are amortized over the period in which the benefits will be obtained.
- Cost of sales. Development expenses for deposits in operation for purposes of maintaining production volumes are recognized in the consolidated statement of profit or loss as part of production costs.

t) Contingencies

Contingent liabilities are disclosed only when the likelihood of loss is remote.

Contingent assets are not recognized in the financial statements but are disclosed in the notes to the financial statements whenever the possibility of receiving economic benefits from the contingent asset is probable.

6. Summary of Significant Accounting Policies (continued)

u) Changes in accounting standards

Grupo Peñoles has not early adopted any standard, interpretation or amendment that has been issued but is not yet effective.

Standards issued but not yet effective

The new and amended standards and interpretations that are issued, but not yet effective, up to the date of issuance of Grupo Peñoles consolidated financial statements are disclosed below. Grupo Peñoles intends to adopt these new and amended standards and interpretations when they become effective. Grupo Peñoles does not expect that the adoption of these new and amended standards and interpretations will have a significant effect on its consolidated financial statements.

Amendments to IAS 1: Classification of Liabilities as Current or Non-Current.

In January 2020, the IASB issued amendments to paragraphs 69 to 76 of IAS 1 to specify the requirements for classifying liabilities as current or non-current. The amendments clarify:

- What is meant by a right to defer settlement
- That a right to defer must exist at the end of the reporting period
- That classification is unaffected by the likelihood that an entity will exercise its deferral right
- That only if an embedded derivative in a convertible liability is itself an equity instrument would the terms of a liability not impact its classification

The amendments are effective for annual reporting periods beginning on or after 1 January 2023 and must be applied retrospectively. Grupo Peñoles is currently assessing the impact the amendments will have on current practice and whether existing loan agreements may require renegotiation.

The amendments are not expected to have a material impact on Grupo Peñoles.

Definition of Accounting Estimates - Amendments to IAS 8

In February 2021, the IASB issued amendments to IAS 8, in which it introduces a definition of “accounting estimates”. The amendments clarify the distinction between changes in accounting estimates and changes in accounting policies and the correction of errors. Also, they clarify how entities use measurement techniques and inputs to develop accounting estimates.

The amendments are effective for annual reporting periods beginning on or after 1 January 2023 and apply to changes in accounting policies and changes in accounting estimates that occur from the start of that period.

Earlier application is permitted as long as this fact is disclosed.

The amendments are not expected to have a material impact on Grupo Peñoles.

6. Summary of Significant Accounting Policies (concludes)

Disclosure of Accounting Policies - Amendments to IAS 1 and IFRS Practice Statement 2

In February 2021, the IASB issued amendments to IAS 1 and IFRS Practice Statement 2 *Making Materiality Judgements*, in which it provides guidance and examples to help entities apply materiality judgements to accounting policy disclosures. The amendments aim to help entities provide accounting policy disclosures that are more useful by replacing the requirement for entities to disclose their ‘significant’ accounting policies with a requirement to disclose their ‘material’ accounting policies and adding guidance on how entities apply the concept of materiality in making decisions about accounting policy disclosures.

The amendments to IAS 1 are applicable for annual periods beginning on or after 1 January 2023 with earlier application permitted. Since the amendments to the Practice Statement 2 provide non-mandatory guidance on the application of the definition of material to accounting policy information, an effective date for these amendments is not necessary.

Grupo Peñoles is currently assessing the impact of the amendments to determine the impact they will have on its accounting policy disclosures.

Deferred Tax related to Assets and Liabilities arising from a Single Transaction - Amendments to IAS 12

In May 2021, the Board issued amendments to IAS 12, which restrict the scope of the initial recognition exception, so that it no longer applies to transactions that give rise to equal cumulative and deductible temporary differences.

The modifications must be applied to transactions that occur on or after the beginning of the first comparative period presented. In addition, at the beginning of the earliest comparative period presented, a deferred tax asset (provided sufficient taxable profit is available) and a deferred tax liability should also be recognized for all deductible and cumulative temporary differences associated with leases and lease dismantling obligations.

Grupo Peñoles is currently evaluating the impact of the modifications.

Measurement of a sale-leaseback lease liability - Amendments to IFRS 16

On September 22, 2022, the Board issued amendments to IFRS 16 related to a lease liability in a leaseback sale. The amendment to IFRS 16 specifies the requirements that a seller-lessee uses to measure the lease liability arising in a leaseback sale, to ensure that the seller-lessee does not recognize any gain or loss that relates to the right of use that it retains.

The amendment is intended to improve the requirements for sale-leaseback transactions under IFRS 16. This amendment does not change the accounting for leases not related to sale-leaseback transactions.

The amendment is applied retrospectively to annual periods beginning on or after January 1, 2024. Earlier application is permitted.

Grupo Peñoles is currently evaluating the impact of the modifications.

7. Segment Information

Operating segments are reported in a manner consistent with the internal reporting provided to the Chief Operating Decision-Maker (CODM) who is also Grupo Peñoles Chief Executive Officer. Grupo Peñoles is organized into business units based on its products.

7. Segment Information (continued)

The CODM monitors the operating results of the business units separately for the purpose of making decisions about resource allocation and performance assessment. Segment performance is evaluated based on operating profit or loss and is measured consistently with operating profit or loss in the consolidated financial statements. In addition, Grupo Peñoles financing and income taxes are managed at the corporate level and are not allocated to the operating segments, except for those entities that are managed separately.

Grupo Peñoles operations in the mining-metallurgical industry consist of the extraction and processing of minerals, and the smelting and refining of non-ferrous metals. The extraction and processing of minerals primarily produces lead, zinc and doré concentrates, which are treated and refined in a metallurgical complex to obtain refined metals. Grupo Peñoles metallurgical business is conducted through its subsidiary Metalúrgica Met-Mex Peñoles (Met-Mex). The metallurgical complex, known as “Met-Mex”, receives mineral concentrates and doré from related and independent mining companies to treat, process, and refine them to obtain finished products, primarily silver, gold, zinc, and lead, for their subsequent sale. Based on the business activities described above, Grupo Peñoles has divided its operations into the following operating segments:

Precious metal mines

This segment includes the mining units where silver and gold minerals are extracted and processed. Other activities related to this segment include prospecting and exploring new deposits and developing mining units for future mining operations. The equity interest in the business units of this segment is held by the subsidiary Fresnillo plc, which is a company located in the United Kingdom whose shares are traded on the London Stock Exchange in England. Practically all of the concentrates and doré produced by this segment are sent to Met-Mex metallurgical complex.

Base metal mines

This segment groups mineral exploration, extraction, and processing to obtain concentrates of zinc, lead, and copper. Zinc and lead concentrates are sent to Met-Mex for treatment and refining primarily to obtain refined zinc and lead. The copper concentrates are sold to metallurgical companies abroad that are not related parties.

Metallurgical

The metallurgical segment involves treating and refining the concentrates and dorés received from the precious metals and base metals business. The activities of this segment are performed in two main metallurgical plants: a) an electrode plant that produces zinc cathode; and b) the smelting-refining plant that primarily produces refined silver and gold (mostly presented in bars), as well as molded lead. The plants also process precious metals and base metals from non-related parties and this segment represents approximately 40% of production. The refined metals, which are mostly silver, gold, lead, and zinc, are sold in Mexico and abroad, primarily in the United States through the subsidiary Bal Holdings, as well as in Europe and South America.

Other

This segment consists primarily of the following operations: a) the production and sale of chemical products, primarily sodium sulfate, and b) entities that provide administrative and operating support activities. These operations do not meet the criterion for segment reporting under IFRS 8 *Operating Segments*.

The accounting policies used by Grupo Peñoles in reporting segments internally are the same as those contained in the notes to the consolidated financial statements.

The financial performance of the different segments is measured by the CODM using a net profit/loss approach.

7. Segment Information (continued)

An analysis of segment information as at and for the year ended December 31, 2022 is as follows:

	Precious metal mines	Base metal mines	Metallurgical	Other	Eliminations and reclassifications	Total
Third-party sales	\$ 61	\$ 412,469	\$ 4,883,984	\$ 230,042	\$(3,198)	\$ 5,523,358
Intra-group sales	<u>2,432,929</u>	<u>704,949</u>	<u>74,992</u>	<u>293,405</u>	<u>(3,506,275)</u>	<u>-</u>
Total sales	<u>2,432,990</u>	<u>1,117,418</u>	<u>4,958,976</u>	<u>523,447</u>	<u>(3,509,473)</u>	<u>5,523,358</u>
Cost of sales	<u>1,896,969</u>	<u>791,362</u>	<u>4,989,617</u>	<u>204,173</u>	<u>(3,391,217)</u>	<u>4,490,904</u>
Gross profit	<u>536,021</u>	<u>326,056</u>	<u>(30,641)</u>	<u>319,274</u>	<u>(118,256)</u>	<u>1,032,454</u>
Administrative expenses	94,123	94,870	112,048	205,656	(213,993)	292,704
Exploration expense	165,790	54,022	193	1,667	(4,540)	217,132
Selling expenses	25,619	50,459	32,809	35,062	(1,620)	142,329
Impairment review of long-term assets	-	(21,362)	-	-	-	(21,362)
Other expenses (income), net	<u>(33,105)</u>	<u>29,440</u>	<u>16,240</u>	<u>(26,958)</u>	<u>36,546</u>	<u>22,163</u>
	<u>252,427</u>	<u>207,429</u>	<u>161,290</u>	<u>215,427</u>	<u>(183,607)</u>	<u>652,966</u>
Operating profit/(loss)	<u>\$ 283,594</u>	<u>\$ 118,627</u>	<u>\$(191,931)</u>	<u>\$ 103,847</u>	<u>\$ 65,351</u>	<u>379,488</u>
Finance Income						(45,891)
Finance Costs						201,146
Foreign exchange gain, net						3,118
Share of loss of associates						<u>(1,418)</u>
Profit before income tax						222,533
Income tax						<u>(103,042)</u>
Consolidated net profit						<u>\$ 325,575</u>

Statement of financial position:

	Precious metal mines	Base metal mines	Metallurgical	Other	Eliminations and reclassifications	Total
Segment assets	<u>\$ 5,926,671</u>	<u>\$ 2,034,897</u>	<u>\$ 2,526,353</u>	<u>\$ 8,096,052</u>	<u>\$(8,541,446)</u>	<u>\$10,042,527</u>
Segment liabilities	<u>\$ 2,009,732</u>	<u>\$ 879,460</u>	<u>\$ 2,217,551</u>	<u>\$ 3,023,221</u>	<u>\$(3,375,713)</u>	<u>\$ 4,754,251</u>
Depreciation	<u>\$ 496,063</u>	<u>\$ 75,251</u>	<u>\$ 62,684</u>	<u>\$ 22,905</u>	<u>\$ 14,834</u>	<u>\$ 671,737</u>
Fixed asset investments	<u>\$ 590,562</u>	<u>\$ 97,030</u>	<u>\$ 44,341</u>	<u>\$ 15,570</u>	<u>\$ -</u>	<u>\$ 747,503</u>
Investments in associates	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 74,832</u>	<u>\$(2,651)</u>	<u>\$ 72,181</u>

7. Segment Information (concludes)

An analysis of segment information as at and for the year ended December 31, 2021 is as follows:

	Precious metal mines	Base metal mines	Metallurgical	Other	Eliminations and reclassifications	Total
Third-party sales	\$ -	\$ 527,333	\$ 5,322,964	\$ 192,476	\$ (70,959)	\$ 5,971,814
Intra-group sales	2,703,096	832,248	37,135	350,041	(3,922,520)	-
Total sales	2,703,096	1,359,581	5,360,099	542,517	(3,993,479)	5,971,814
Cost of sales	1,766,170	889,965	5,264,897	190,519	(3,695,544)	4,416,007
Gross profit	936,926	469,616	95,202	351,998	(297,935)	1,555,807
Administrative expenses	103,533	103,435	131,843	254,596	(309,864)	283,543
Exploration expenses	130,292	43,719	282	4,645	(8,069)	170,869
Selling expenses	25,035	43,706	31,484	31,398	(1,207)	130,416
Other expenses/(income), net	11,332	(17,659)	(14,835)	(17,590)	27,803	(10,949)
	270,192	173,201	148,774	273,049	(291,337)	573,879
Operating profit/(loss)	\$ 666,734	\$ 296,415	\$ (53,572)	\$ 78,949	\$ (6,598)	981,928
Finance income	-	-	-	-	-	(20,262)
Finance costs	-	-	-	-	-	171,472
Foreign exchange gain, net	-	-	-	-	-	1,622
Share of profit of associates	-	-	-	-	-	5,607
Profit before income tax	-	-	-	-	-	823,489
Income tax	-	-	-	-	-	260,914
Consolidated net profit	-	-	-	-	-	\$ 562,575

Statement of financial position:

	Precious metal mines	Base metal mines	Metallurgical	Other	Eliminations and reclassifications	Total
Segment assets	\$ 5,827,795	\$ 1,868,597	\$ 2,761,374	\$ 7,899,655	\$ (8,564,162)	\$ 9,793,259
Segment liabilities	\$ 2,025,119	\$ 698,709	\$ 2,056,135	\$ 3,139,908	\$ (3,150,492)	\$ 4,769,379
Depreciation	\$ 524,159	\$ 104,032	\$ 61,803	\$ 23,226	\$ (7,960)	\$ 705,260
Fixed asset investments	\$ 611,659	\$ 80,821	\$ 50,504	\$ 19,075	\$ -	\$ 762,059
Investments in associates	\$ -	\$ -	\$ -	\$ 57,771	\$ (2,651)	\$ 55,120

In 2022, three customers (two customers in 2021) from the Metallurgical segment each individually exceeded 10% of the value of Grupo Peñoles net sales and they jointly represented 39.4% of net sales for the year (35.2% in 2021).

Information on revenue obtained by geographical zone is presented in Note 26.

As at December 31, 2021 and 2021 Grupo Peñoles non-current assets outside Mexico totaled \$50,685 and \$49,279, respectively.

8. Cash and Cash Equivalents

An analysis of cash and cash equivalents is as follows:

	<u>2022</u>	<u>2021</u>
Cash in hand and in banks	\$ 72,214	\$ 65,849
Liquid investments (1)	<u>1,396,704</u>	<u>1,751,245</u>
	<u>\$ 1,468,918</u>	<u>\$ 1,817,094</u>

(1) Liquid investments bear interest at market rates and have maturities of less than 30 days.

9. Trade and Other Accounts Receivable

An analysis of this caption is as follows:

	<u>2022</u>	<u>2021</u>
Trade receivables (1)	\$ 266,844	\$ 203,154
Other accounts receivable	17,578	29,919
Less:		
Expected credit losses for trade receivables (Note 39)	(1,880)	(2,034)
Expected credit losses for other accounts receivable (Note 39)	<u>(1,053)</u>	<u>(1,918)</u>
Total trade and other accounts receivable	281,489	229,121
Related parties (Note 25)	14,939	29,739
Recoverable value added tax	295,168	291,418
Advances to suppliers	20,140	15,180
Account receivable related to layback agreement (Note 4 ii)	23,819	40,598
Other accounts receivable to contractors	<u>2,595</u>	<u>480</u>
	<u>638,150</u>	<u>606,536</u>
Less: Non-current maturity		
Other accounts receivable to contractors	2,595	480
Long-term account receivable related to layback agreement (Note 4 ii)	-	23,914
Recoverable Value Added Tax	<u>36,820</u>	<u>34,634</u>
Long-term accounts receivable and other receivables	<u>39,415</u>	<u>59,028</u>
Total trade and other current accounts receivable, net	<u>\$ 598,735</u>	<u>\$ 547,508</u>

(1) As at December 31, 2022 and 2021, approximately 76% and 41%, respectively, of Grupo Peñoles' accounts receivable are related to provisional pricing arrangements.

Accounts receivable are non-interest bearing. Gold and silver sales are almost exclusively made in cash, while lead, zinc and copper sales are made both in cash and through a credit line (provided that each sale is previously authorized by Grupo Peñoles' credit committee), with an average credit term of 30 days.

9. Trade and Other Accounts Receivable (concludes)

An analysis of the changes in the allowance for expected credit losses for the years ended December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Beginning balance	\$ 3,952	\$ 4,497
Increase for the year	(69)	43
Charges	<u>(950)</u>	<u>(588)</u>
Ending balance	<u>\$ 2,933</u>	<u>\$ 3,952</u>

10. Other Financial Assets

An analysis of this caption is as follows:

	<u>2022</u>	<u>2021</u>
Fair value of hedging derivatives (Note 38)	\$ 20,069	\$ 22,580
Fair value of derivative financial instruments (Note 38)	8,731	12,207
Derivative financial instruments at fair value through profit or loss	-	1,988
Accounts receivable from settled derivatives contracts	<u>18,544</u>	<u>48,699</u>
Total other financial assets	47,344	85,474
Less: Non-current maturity	<u>(1,285)</u>	<u>(11,853)</u>
Other current financial assets	<u>\$ 46,059</u>	<u>\$ 73,621</u>
Other non-current financial assets	\$ 1,285	\$ 11,853
Security deposits and other financial assets	<u>4,233</u>	<u>3,953</u>
Total other non-current financial assets	<u>\$ 5,518</u>	<u>\$ 15,806</u>

11. Inventories

An analysis of this caption is as follows:

	<u>2022</u>	<u>2021</u>
Inventories stated at cost:		
Refined metals and ore concentrates (1)	\$ 1,620,760	\$ 1,489,193
Raw materials and chemical products in process	27,677	33,560
Operating materials (1)	<u>252,406</u>	<u>208,079</u>
	1,900,843	1,730,832
Inventories measured at fair value:		
Refined metals	<u>71,418</u>	<u>78,853</u>
Inventories,	1,972,261	1,809,685
Less: Non-current portion	<u>91,620</u>	<u>91,620</u>
Inventories, current portion	<u>\$ 1,880,641</u>	<u>\$ 1,718,065</u>

(1) As at December 31, 2022 and 2021, Grupo Peñoles recognized impairment in the net realizable value of its inventories of \$26,770 and \$7,268, respectively.

12. Financial assets in equity instruments

An analysis of this caption is as follows:

	<u>2022</u>	<u>2021</u>
Equity investments in entities listed on the Canadian Stock Exchange (1):		
Cost	\$ 62,732	\$ 62,732
Increase in fair value	<u>103,243</u>	<u>112,285</u>
Subtotal	<u>165,975</u>	<u>175,017</u>
Equity investments in entities listed on the U.S. Stock Exchange:		
Cost	180	180
Increase in fair value	<u>968</u>	<u>1,363</u>
Subtotal	<u>1,148</u>	<u>1,543</u>
Total	<u>\$ 167,123</u>	<u>\$ 176,560</u>

An analysis of changes in these equity investments for the years ended December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Opening balance	\$ 176,560	\$ 232,549
Loss reclassified to components of other comprehensive loss	<u>(9,437)</u>	<u>(55,989)</u>
Ending balance	<u>\$ 167,123</u>	<u>\$ 176,560</u>

- (1) As at December 31, 2022 and 2021, approximately 91% of Grupo Peñoles equity investments corresponds to its 9,746,193 shares of Mag Silver, Corp., equal to \$152,271 and its 5% holding in Endeavor, Inc., represented by 2,800,000 shares, equal to \$9,059. These investments are in publicly traded mining companies listed on the Canadian Stock Exchange. As at December 31, 2022 and 2021, the price of Grupo Peñoles shares is \$21.15 and \$4.38 per share and \$19.83 and \$5.35, respectively, per share.

13. Property, Plant and Equipment

Changes in property, plant and equipment for the year ended December 31, 2022 are as follows:

	<u>Mining properties</u>	<u>Metallurgical plants and equipment</u>	<u>Buildings and land</u>	<u>Other assets</u>	<u>Assets under construction</u>	<u>Total</u>
Investment:						
2022 opening balance	\$ 6,801,941	\$ 1,661,564	\$ 1,315,750	\$ 18,724	\$ 960,714	\$ 10,758,693
Additions	198,994	8,242	53,244	3,042	460,325	723,847
Decrease in provision for asset decommissioning	(37,020)					(37,020)
Capitalized interest					12,830	12,830
Retirements and disposals Non-current assets	(160,538)	(456)	(840)	(492)	-	(162,326)
held for sale	(92,937)	-	(30,010)	-	-	(122,947)
Transfers and other	783,368	43,143	-	-	(826,511)	-
Translation adjustment	<u>4,299</u>	<u>71</u>	<u>46</u>	<u>1,221</u>	<u>-</u>	<u>5,637</u>
2022 ending balance	<u>7,498,107</u>	<u>1,712,564</u>	<u>1,338,190</u>	<u>22,495</u>	<u>607,358</u>	<u>11,178,714</u>

13. Property, Plant and Equipment (continued)

	Mining properties	Metallurgical plants and equipment	Buildings and land	Other assets	Assets under construction	Total
Depreciation, amortization, depletion and impairment:						
2022 opening balance	(4,485,791)	(851,514)	(701,348)	(9,770)	(2,926)	(6,051,349)
Depreciation for the period	(545,111)	(97,081)	(33,671)	(1,342)	-	(677,205)
Retirements and disposals	139,112	387	483	64	-	140,046
Impairment reversal	16,770	-	4,592	-	-	21,362
Accumulated depreciation of non-current assets held for sale	76,168	-	25,417	-	-	101,585
Translation adjustment	(2,035)	(31)	(46)	(384)	-	(2,496)
2022 ending balance	<u>(4,800,887)</u>	<u>(948,239)</u>	<u>(704,573)</u>	<u>(11,432)</u>	<u>(2,926)</u>	<u>(6,468,057)</u>
Net investment	<u>\$ 2,697,220</u>	<u>\$ 764,325</u>	<u>\$ 633,617</u>	<u>\$ 11,063</u>	<u>\$ 604,432</u>	<u>\$ 4,710,657</u>

Changes in property, plant and equipment for the year ended December 31, 2021 are as follows:

	Mining properties	Metallurgical plants and equipment	Buildings and land	Other assets	Assets under construction	Total
Investment:						
2021 opening balance	\$ 6,545,014	\$ 1,590,989	\$ 1,260,020	\$ 26,073	\$ 819,431	\$ 10,241,527
Additions	236,213	35,068	60,550	1,237	416,212	749,280
Decrease in provision for Asset decommissioning	(8,608)	-	-	-	-	(8,608)
Capitalized interest	-	-	-	-	14,220	14,220
Retirements and disposals	(216,392)	(5,676)	(4,797)	(11,858)	-	(238,723)
Transfers and other	247,869	41,280	-	-	(289,149)	-
Translation adjustment	(2,155)	(97)	(23)	3,272	-	997
2021 ending balance	<u>6,801,941</u>	<u>1,661,564</u>	<u>1,315,750</u>	<u>18,724</u>	<u>960,714</u>	<u>10,758,693</u>
Depreciation, amortization, depletion and impairment :						
2021 opening balance	(4,169,590)	(768,930)	(612,326)	(15,929)	(3,199)	(5,569,974)
Depreciation for the period	(535,685)	(87,133)	(89,918)	(1,045)	273	(713,508)
Retirements and disposals	214,558	4,500	873	8,246	-	228,177
Translation adjustment	4,926	49	23	(1,042)	-	3,956
2021 ending balance	<u>(4,485,791)</u>	<u>(851,514)</u>	<u>(701,348)</u>	<u>(9,770)</u>	<u>(2,926)</u>	<u>(6,051,349)</u>
Net investment	<u>\$ 2,316,150</u>	<u>\$ 810,050</u>	<u>\$ 614,402</u>	<u>\$ 8,954</u>	<u>\$ 957,788</u>	<u>\$ 4,707,344</u>

Depreciation expense for the years ended December 31, 2022 and 2021 was \$677,205 and \$709,646, respectively, of which \$671,737 and \$705,260, respectively, were recognized in profit or loss, while the remaining balance corresponds to depreciation of equipment used in units under construction that was recognized as part of Construction in process.

13. Property, Plant and Equipment (concludes)

Grupo Peñoles analyzed certain external indicators, namely the behavior of metal prices, as well as internal indicators that included an assessment of mineral reserves and economically recoverable resources in order to determine whether there are indicators of impairment in the value of its property, plant, and equipment. The recoverable amount of property, plant and equipment is based on the value in use of cash generating units calculated by discounting the present value of future cash flows based on projections, forecasts and expectations that are approved by management.

An analysis of the key assumptions used by Grupo Peñoles to calculate the value in use of its main cash generating units for which there were indications of impairment is as follows:

	<u>2022</u>	<u>2021</u>
Discount rate	8.5%- 11.6%	7.1% -10.0%
Commodity prices (average):		
Gold (US\$/oz)	1,641	1,580
Silver (US\$/oz)	22	20
Zinc (cUS\$/lb)	135	116
Copper (cUS\$/lb)	431	301
Lead (cUS\$/lb)	98	95

During 2022 y 2021, Grupo Peñoles has not recognized any impairment losses since the expected cash flows (value in use) of the cash generating units showing indicators of impairment exceeded their carrying amount of long term assets.

As mentioned in Note 40, in December, 2022, Grupo Peñoles, received a binding offer for the sale property, plant and equipment from the Madero unit with a third party. Due to the foregoing, a reversal of the impairment of the assets of this unit that were impaired was made for \$21,362; this value represents the lower of its carrying amount or its fair value. The amount is shown as an asset held for sale.

Assets under construction

Construction in process includes investments in fixed assets and capitalized pre-operating expenses of \$68,930 in 2022 mainly in the acquisition of equipment in Juancipio and during 2021 of \$433,495 for the construction and operation of the mining projects in Juancipio (State of Zacatecas). In addition, in Minera Capela (State of Guerrero) several projects of \$16,262, where mineral concentrates containing mostly silver, lead, and zinc are mined, as well as the investment of \$21,365 in 2022 (\$21,381 in 2021) mainly in the expansion of the Zinc plant structure and equipment additions in the purification area (State of Coahuila). The estimated remaining investment needed to conclude the mining and other projects is approximately \$145,274 in 2023. The rate used in 2022 and 2021 to determine the amount of the borrowing costs eligible for capitalization was 4.84% and 4.84%, respectively.

Commitments

As at December 31, 2022 and 2021, Grupo Peñoles has entered into several agreements for the purchase of machinery and equipment, as well as for completion of the mining and metallurgical construction projects. The value of the agreements in 2022 and 2021 is \$218,519 and \$291,921, respectively.

14. Equity Investments in Associates

An analysis of equity investments in associates as at December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>	<u>2022</u>	<u>2021</u>
Aerovics, S.A. de C.V. (1)	63.36%	61.29%	\$ 69,994	\$ 54,475
Línea Coahuila Durango, S.A. de C.V.	50.00%	50.00%	1,664	-
Other			<u>523</u>	<u>645</u>
			<u>\$ 72,181</u>	<u>\$ 55,120</u>

- (1) For the years ended December 31, 2022 and 2021, 30.98% and 36.19%, respectively, of the shares are non-voting. Accordingly, Grupo Peñoles does not exercise control over these investees.

An analysis of changes in the equity investments in associates for the years ended December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Beginning balance in associates	\$ 55,120	\$ 32,160
Share of loss of associates	1,418	(5,607)
Changes in equity interest in associate (1)	(859)	(2,387)
Investment return	(8)	-
Share capital increase (1)	12,024	32,107
Translation adjustment	<u>4,486</u>	<u>(1,153)</u>
Ending balance in associates	<u>\$ 72,181</u>	<u>\$ 55,120</u>

The associates in which Grupo Peñoles has invested are as follows:

- Aerovics, S.A. de C.V., which provides private air transportation services.
- Línea Coahuila-Durango, S.A. de C.V., which provides rail transportation services through a concession granted to it by the Mexican Federal Government.
- Other includes a 40% equity interest in MGI Fusión (formerly Administradora Moliere 222, S.A. de C.V.) and a 35% equity interest in Administración de Riesgos Bal, S.A. de C.V.

In June 30, 2022 MGI Fusión, (formerly Administradora Moliere 222, S.A de C.V.) shareholders decided to fully redeem the shares owned by Grupo Peñoles for \$8. In October 2021, the shareholders of Administradora Moliere 222 and MGI Fusión agreed to merge both companies where MGI Fusión as merging company absorbed Administradora Moliere 222. As a result of this merger, as of November 2021, Grupo Peñoles ceased to account for its equity interest in this associate using the equity method derived from Grupo Peñoles losing significant influence over the investee and a decrease in its percentage of equity interest from 40% to 0.01%.

- (1) During January 2022 a capital increase was made to Aerovics, S.A. de C.V. for \$12,024. In January, July and October 2021, the share capital of Aerovics, S.A. de C.V. increased by \$8,059, \$12,024 and \$12,024, respectively, adding a total of \$32,107 during the whole year. This share capital increase of each year represented a change in Grupo Peñoles' equity interest in the associate. As a result, Grupo Peñoles recognized a deficit of \$636 and \$2,387 as part of retained earnings, respectively.

14. Equity Investment in Associates (continued)

The condensed financial information of the associates is as follows:

As at and for the years ended December 31, 2022 and 2021

Statement of financial position:

	<u>2022</u>	
	<u>Aerovics</u>	<u>Línea Coahuila Durango</u>
Assets:		
Current assets	\$ 11,351	\$ 13,040
Non-current assets	<u>101,049</u>	<u>5</u>
Total assets	<u>\$ 112,400</u>	<u>\$ 13,045</u>
Current liabilities	\$ 1,385	\$ 4,499
Non-current liabilities	<u>549</u>	<u>5,218</u>
Total liabilities	1,934	9,717
Total equity	<u>110,466</u>	<u>3,328</u>
Total liabilities and equity	<u>\$ 112,400</u>	<u>\$ 13,045</u>

Statement of financial position:

	<u>2021</u>	
	<u>Aerovics</u>	<u>Línea Coahuila Durango</u>
Assets:		
Current assets	\$ 7,198	\$ 8,892
Non-current assets	<u>83,180</u>	<u>171</u>
Total assets	<u>\$ 90,378</u>	<u>\$ 9,063</u>
Current liabilities	\$ 633	\$ 3,420
Non-current liabilities	<u>869</u>	<u>6,310</u>
Total liabilities	1,502	9,730
Total equity	<u>88,876</u>	<u>(667)</u>
Total liabilities and equity	<u>\$ 90,378</u>	<u>\$ 9,063</u>

14. Equity Investment in Associates (concludes)

Statement of comprehensive income for 2022:

	<u>Aerovics</u>	<u>Línea Coahuila Durango</u>
Sales	<u>\$ 16,176</u>	<u>\$ 31,536</u>
Operating (loss) income	<u>\$ (31)</u>	<u>\$ 3,212</u>
Net income	<u>\$ 106</u>	<u>\$ 2,675</u>
Components of other comprehensive income	<u>\$ 6,411</u>	<u>\$ 1,522</u>
Comprehensive income	<u>\$ 6,517</u>	<u>\$ 4,197</u>

Statement of comprehensive income for 2021:

	<u>Aerovics</u>	<u>Línea Coahuila Durango</u>
Sales	<u>\$ 10,381</u>	<u>\$ 27,071</u>
Operating loss	<u>\$ (2,797)</u>	<u>\$ (1,341)</u>
Net loss	<u>\$ (2,646)</u>	<u>\$ (7,990)</u>
Components of other comprehensive (loss) income	<u>\$ (7,116)</u>	<u>\$ 454</u>
Comprehensive loss	<u>\$ (9,762)</u>	<u>\$ (7,536)</u>

15. Leases

An analysis of changes in right-of-use assets for the year ended December 31, 2022 is as follows:

	<u>Buildings</u>	<u>Machinery and equipment</u>	<u>Computer equipment and other assets</u>	<u>Total cost</u>
Investment:				
Beginning balance as at January 1, 2022	\$ 23,651	\$ 72,216	\$ 45,302	\$ 141,169
Additions	87	3,933	6,896	10,916
Lease modification	1,393	2,457	1,260	5,110
Retirements	(588)	-	(15,496)	(16,084)
Foreign exchange gain	1,711	-	357	2,068
Ending balance as at December 31, 2022	<u>26,254</u>	<u>78,606</u>	<u>38,319</u>	<u>143,179</u>
Amortization:				
Beginning balance as at January 1, 2022	(7,860)	(9,371)	(24,694)	(41,925)
Amortization for the year	(3,049)	(3,553)	(12,240)	(18,842)
Retirements	515	-	15,495	16,010
Ending balance as at December 31, 2022	<u>(10,394)</u>	<u>(12,924)</u>	<u>(21,439)</u>	<u>(44,757)</u>
Net investment	<u>\$ 15,860</u>	<u>\$ 65,682</u>	<u>\$ 16,880</u>	<u>\$ 98,422</u>

15. Leases (continued)

An analysis of changes in right-of-use assets as at December 31, 2021 is as follows:

	<u>Buildings</u>	<u>Machinery and equipment</u>	<u>Computer equipment and other assets</u>	<u>Total cost</u>
Investment:				
Beginning balance as at January 1, 2021	\$ 21,086	\$ 69,342	\$ 48,004	\$ 138,432
Additions	1,002	-	9,743	10,745
Lease modification	1,729	2,874	602	5,205
Retirements	(166)	-	(13,047)	(13,213)
Ending balance as at December 31, 2021	<u>23,651</u>	<u>72,216</u>	<u>45,302</u>	<u>141,169</u>
Amortization:				
Beginning balance as at January 1, 2021	(5,031)	(6,201)	(24,371)	(35,603)
Amortization for the year	(2,985)	(3,170)	(13,370)	(19,525)
Retirements	156	-	13,047	13,203
Ending balance as at December 31, 2021	<u>(7,860)</u>	<u>(9,371)</u>	<u>(24,694)</u>	<u>(41,925)</u>
Net investment	<u>\$ 15,791</u>	<u>\$ 62,845</u>	<u>\$ 20,608</u>	<u>\$ 99,244</u>

An analysis of changes in lease liabilities as at December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Beginning balance as at January 1	\$ 108,006	\$ 108,351
Additions	10,916	10,745
Lease modifications	5,110	5,205
Accretion of interest	8,482	8,311
Payments	(24,399)	(24,595)
Retirements	(64)	(10)
Foreign exchange loss	(43)	(1)
Ending balance as at December 31	<u>\$ 108,008</u>	<u>\$ 108,006</u>

An analysis of the maturity of lease liability as at December 31, 2022 is as follows:

	<u>2022</u>		
	<u>Lease liability</u>	<u>Unaccrued interest</u>	<u>Total</u>
2023	\$ 20,949	\$(7,156)	\$ 13,793
2024	16,579	(6,534)	10,045
2025	13,960	(5,962)	7,998
2026	12,246	(5,383)	6,863
2027 and thereafter	<u>104,647</u>	<u>(35,338)</u>	<u>69,309</u>
	<u>168,381</u>	<u>(60,373)</u>	<u>108,008</u>
Current portion due	<u>20,949</u>	<u>(7,156)</u>	<u>13,793</u>
Non-current maturity	<u>\$ 147,432</u>	<u>\$(53,217)</u>	<u>\$ 94,215</u>

15. Leases (concludes)

An analysis of the maturity of lease liability as at December 31, 2021 is as follows:

	2021		
	Lease liability	Unaccrued interest	Total
2022	\$ 22,282	\$(6,854)	\$ 15,428
2023	16,752	(6,118)	10,634
2024	13,113	(5,666)	7,447
2025	10,591	(5,263)	5,328
2026 and thereafter	107,425	(38,256)	69,169
	170,163	(62,157)	108,006
Current portion due	22,282	(6,854)	15,428
Non-current maturity	\$ 147,881	\$(55,303)	\$ 92,578

Amortization expense on right-of-use assets as at December 31, 2022 and 2021 was \$18,842 and \$19,525, respectively.

Expenses relating to short-term leases and leases of low-value assets as at December 31, 2022 and 2021 were \$80,598 and \$25,511, respectively, which were registered in profit or loss.

During 2022 and 2021, Grupo Peñoles was not granted any COVID-19-related rent concessions by lessors.

16. Suppliers and Other Accounts Payable

An analysis of this caption is as follows:

	2022	2021
Commercial suppliers	\$ 265,871	\$ 222,219
Concentrate and mineral shippers	132,668	149,115
Related parties (Note 25)	29,827	119,906
Other accrued liabilities	97,167	99,016
Interest payable (Note 18)	41,371	39,295
Deferred revenue from layback assignment (Note 4ii)	-	67,182
Energy	92,433	61,818
Market expenses	10,620	15,586
Dividends payable	2,037	1,960
	\$ 671,994	\$ 776,097

17. Other Financial Liabilities

An analysis of this caption is as follows:

	<u>2022</u>	<u>2021</u>
Hedging derivatives (Note 38)	\$ 13,931	\$ 35,050
Fair value of derivative financial instruments (Note 38)	954	14,021
Derivative financial instruments at fair value through profit or loss (Note 38)	8,959	16,039
Accounts payable on settled derivative contracts	32,329	57,605
Accounts payable to related parties (Note 25)	<u>95,853</u>	<u>-</u>
Total other financial liabilities	152,026	122,715
Less: Non-current maturity	<u>(97,627)</u>	<u>(15,685)</u>
Total other current financial liabilities	<u>\$ 54,399</u>	<u>\$ 107,030</u>

18. Financial Debt

An analysis of Grupo Peñoles' short-term debt denominated in U.S. dollars as at December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Unsecured bonds issued by Frensillo plc (1)	\$ 317,486	\$ -
Bank loan (2)	50,000	71,752
Short-term maturities of long-term liabilities	<u>9,354</u>	<u>9,282</u>
Total current debt denominated in U.S. dollars	<u>\$ 376,840</u>	<u>\$ 81,034</u>

- (1) Unsecured Debt Bonds issued by Frensillo plc; Debt placed in the international market under format 144A/Reg S on November 7, 2013, with a 10 year term, payment of principal at maturity date, semi-annual interest at a fixed rate of 5.50% plus withholding tax and without guarantees. The destination of the funds included investment and development plans, future growth opportunities and corporate purposes in general. Standard Poor's and Moody's Investors Service have assigned the notes BBB and Baa2 ratings, respectively. Movements carried out within the third quarter of 2020 effective in October. From the 22 to 29 of September, 2020, with settlement on October 2, Frensillo plc made an offer to repurchase this issue with a result of 60% of the current nominal value.
- (2) As of December 31, 2022, direct loan maturing on January 31, 2023 for \$50,000, accruing interest at an average rate of 4.83%. The loans correspond to a provision of uncommitted credit lines that are held as of December 31, 2022, likewise, there are amounts available in the short term for Industrias Peñoles, S.A.B. de C.V. with Mexican and foreign banks for \$654,500.

18. Financial Debt (continued)

At December 31 the connection between interest payable on short-term and long-term debt is shown below:

	<u>2022</u>	<u>2021</u>
Beginning balance as at January 1	\$ 39,295	\$ 39,137
Interest accrued in the year	145,877	132,485
Capitalized interest in property, plant and equipment	11,299	12,392
Short and long-term interest payment	<u>(155,100)</u>	<u>(144,719)</u>
Ending balance as at December 31	<u>\$ 41,371</u>	<u>\$ 39,295</u>

An analysis of Grupo Peñoles' long-term debt denominated in U.S. dollars as at December 31 is as follows :

	<u>2022</u>	<u>2021</u>
Unsecured bonds issued by IPSAB (1)	\$ 1,172,193	\$ 1,170,496
Unsecured bonds issued by IPSAB (2)	501,105	501,524
Unsecured bonds issued by Fresnillo plc	-	316,942
Unsecured bonds issued by Fresnillo plc (3)	829,124	828,759
Bilateral export credit agency guarantee (4)	<u>38,110</u>	<u>47,349</u>
Total	<u>2,540,532</u>	<u>2,865,070</u>
Less:		
Current portion due	<u>9,354</u>	<u>9,282</u>
Total non-current debt	<u>\$ 2,531,178</u>	<u>\$ 2,855,788</u>

An analysis of Grupo Peñoles' short- and long-term debt without including interests as at December 31 as follows:

	<u>2022</u>	<u>2021</u>
Beginning balance as at 1 January	\$ 2,936,822	\$ 2,901,611
Debt acquired	1,529,655	1,005,217
Debt paid	<u>(1,576,939)</u>	<u>(976,358)</u>
Transaction costs paid	<u>(24)</u>	<u>(40)</u>
Amortization of transaction costs	2,688	2,816
Foreign exchange gain	<u>15,816</u>	<u>3,576</u>
Ending balance as at December 31	<u>\$ 2,908,018</u>	<u>\$ 2,936,822</u>

Long-term financial debt maturities starting in 2024 are as follows:

	<u>Amount</u>
2024	\$ 9,501
2025	9,584
2026	9,670
2027-2050	<u>2,502,423</u>
	<u>\$ 2,531,178</u>

18. Financial Debt (continued)

- (1) Unsecured bonds of \$1,100,000 issued on 5 September 2019 by Grupo Peñoles in the international bond market as a 144A/Reg-S offering. The bonds were issued in two equal tranches of \$550,000 each for terms of 10 and 30 years and bear net interest payable semiannually of 4.15% and 5.65%, respectively, plus taxes, with principal payable upon maturity. The proceeds from this placement were used to early settle structured notes of \$600,000 that matured in 2020 (\$400,000) and 2022 (\$200,000). All other proceeds from this placement were used for corporate purposes. Standard & Poor's Global Ratings (S&P) and Fitch Ratings, Inc. assigned "BBB" rating to these gave the bonds. Additionally, on 30 July 2020, the issuance ratings of the original bonds were reopened for an amount of \$100,000. These instruments mature in 2029, bearing interest at a fixed rate of 4.15% and yield to maturity of 3.375%. The proceeds from this placement were used to early repay the syndicated loan with Bank of America, N.A. (administrative agent) and Scotiabank Inverlat S.A., to repay short-term debt and for corporate purposes in general.
- (2) Unsecured bonds issued by Industrias Peñoles S.A.B. de C.V. for an amount of \$500,000 on 30 July 2020 by Grupo Peñoles in the international bond market as a 144A/Reg. S offering. The bonds are for a thirty-year term and bear net interest payable semiannually of 4.75%, plus withholding tax, with principal payable upon maturity and no guarantees. The proceeds from this placement were used to early repay the syndicated loan with Bank of America, N.A. (administrative agent) and Scotiabank Inverlat S.A., to repay short-term debt and for corporate purposes in general. Transaction costs totaled \$3,627.
- (3) Unsecured bonds of \$850,000 issued on 29 September 2020 by Fresnillo plc, and settled on 2 October, in the international bond market as a 144A/Reg-S offering. The bonds are for a thirty-year term and bear net interest payable semiannually of 4.25% rate plus withholding tax, with principal payable upon maturity and no guarantees. The proceeds from this placement were used to pay the partial repurchase of the current debt mentioned in paragraph (4) and for corporate purposes in general. Standard & Poor's and Moody's Investor's Services assigned the bonds ratings of "BBB" and "Baa2", respectively. Transactions costs totaled \$3,844.
- (4) On 22 June 2017, Industrias Peñoles S.A.B. de C.V. entered into a loan agreement with Crédit Agricole Corporate and Investment Bank pursuant to the equipment purchases that its subsidiary Metalurgica Met-Mex Peñoles, S.A. de C.V. made from the supplier Outotec Oy (a Finnish company) for the expansion of its zinc plant and the refurbishment of plant II. Finnvera Plc, which is the export credit agency of the supplier's home country, guaranteed 95% of this loan, with this 95%-portion covering the goods and services that are eligible for the guarantee under the corresponding agreement, as well as local costs. The amount of this loan is up to \$94,520, which includes \$90,130 that corresponds to eligible goods and services (85%) and directly related local costs (100%), plus the \$4,400 million premium that was paid to Finnvera in return for its guarantee.

The drawdown period matured in November 2018 with a total notional amount of \$82,590. The loan will be repaid in 17 semi-annual payments spanning from 28 September 2018 until 30 September 2026. The loan bears interest at the six-month LIBOR plus 0.94% on outstanding balances (excluding the guarantee fee paid to Finnvera Plc (the Finnish export credit agency). The floating portion of the interest rate has been hedged through an interest rate swap.

In relation to the benchmark interest rate, on 23 October 2020, the International Swaps and Derivatives Association (ISDA) published in its 2006 ISDA Definitions the revised definition of LIBOR, as well as a modification to the definition of other IBOR rates, and a new protocol was issued. Currently, Grupo Peñoles is abiding by the applicable protocol ISDA IBOR "Fallback".

18. Financial Debt (concludes)

Others: Credit ratings by rating agencies.

As at December 31, 2022 and 2021, the S&P global rating of Grupo Peñoles' unsecured senior debt is BBB with a stable outlook and Fitch Ratings global rating is BBB with a stable outlook.

In addition, the S&P global rating of Fresnillo plc's unsecured senior debt is BBB with a stable outlook and Moody's Investors Services global rating is Baa2 with a stable outlook.

As at December 31, 2021, the S&P global rating of Grupo Peñoles' unsecured senior debt is BBB with a stable outlook and Fitch Ratings global rating is BBB with a stable outlook.

In addition, the S&P global rating of Fresnillo plc's unsecured senior debt is BBB with a stable outlook and Moody's Investors Services global rating is Baa2 with a stable outlook.

19. Employee Benefits*Employee benefits*

An analysis of current employee benefit obligations is as follows:

	<u>2022</u>	<u>2021</u>
Salaries and other employee benefits payable	\$ 25,436	\$ 28,883
Paid annual leave and vacation premium payable	13,838	10,553
Social security dues and other provisions	<u>15,370</u>	<u>12,497</u>
	<u>\$ 54,644</u>	<u>\$ 51,933</u>

Retirement benefits

Grupo Peñoles has a defined pension and benefit contribution plan for its non-unionized workers, which includes pension plans based on each worker's earnings and years of service provided by personnel hired through 30 June 2007, and a defined contribution component as of such date, based on periodic contributions made by both Grupo Peñoles and the employees.

The plan is managed exclusively by a Technical Committee, which is comprised of three people that are appointed by Grupo Peñoles.

Defined benefit component

The defined benefit component of the plan referred to the worker salaries and the number of years of service provided through 30 June 2007, in accordance with the benefits generated through this date in respect of the pension granted. This defined retirement benefit plan was for its non-unionized employees and included pension plans based on each worker's salaries and the number of years of service, seniority premiums payable upon death and due to permanent disability or voluntary separation. Benefits accrued through this date are restated for inflation based on the National Consumer Price Index through the date of the employee's retirement.

19. Employee Benefits (continued)*Defined contribution component*

The defined contribution component of the plan consists of periodic contributions made by employees, as well as matched contributions made by Grupo Peñoles beginning on 1 July 2007, capped at 8% of the employee's daily integrated salary.

There is also a seniority premium plan for voluntary separation for Grupo Peñoles' unionized workers.

Death and disability benefits are covered through insurance policies.

Recognition of employee benefits

An analysis of the actuarial value of these obligations recognized in the consolidated statement of financial position as at December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Defined benefit obligation of active workers	\$ 53,503	\$ 60,953
Defined benefit obligation of retired workers (1)	<u>69,271</u>	<u>70,893</u>
Defined benefit obligation	122,774	131,846
Unfunded defined benefit obligation (2)	<u>33,850</u>	<u>32,383</u>
	156,624	164,229
Fair value of plan assets	<u>(106,877)</u>	<u>(111,630)</u>
Employee benefits	<u>\$ 49,747</u>	<u>\$ 52,599</u>

(1) This obligation is currently fully funded.

(2) Corresponds primarily to seniority premiums for unionized personnel

An analysis of pensions, defined contribution and seniority premiums recognized in the consolidated statement of profit or loss for the years ended December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Current-year service cost	\$ 4,352	\$ 4,246
Interest cost (Note 34)	11,204	11,807
Return on plan assets (Note 34)	(7,044)	(7,458)
Defined contribution	<u>12,893</u>	<u>11,829</u>
Total	<u>\$ 21,405</u>	<u>\$ 20,424</u>

An analysis of changes in the remeasurement of the defined benefit obligation recognized directly in equity is as follows:

	<u>2022</u>	<u>2021</u>
Actuarial gains	<u>\$ 9,450</u>	<u>\$ 13,562</u>

19. Employee Benefits (continued)

A reconciliation of the actuarial value of the defined benefit obligation as at December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Beginning balance of the defined benefit obligation	\$ 164,229	\$ 189,317
Current-year service cost	4,352	4,246
Interest cost	11,204	11,807
Actuarial gain (loss) from experience adjustments	14,531	(6,517)
Actuarial gain from adjustments in financial assumptions	(32,499)	(13,825)
Benefits paid	(15,488)	(14,006)
Foreign exchange gain	<u>10,295</u>	<u>(6,793)</u>
Ending balance of the defined benefit obligation	<u>\$ 156,624</u>	<u>\$ 164,229</u>

A reconciliation of the actuarial value of plan assets as at December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Beginning balance of plan assets	\$ 111,630	\$ 122,979
Current return on plan assets	7,044	7,458
Loss from experience adjustments	(8,518)	(6,781)
Plan contributions	1,603	2,485
Benefits paid	(12,578)	(10,412)
Foreign exchange loss	<u>7,696</u>	<u>(4,099)</u>
Ending balance of plan assets	<u>\$ 106,877</u>	<u>\$ 111,630</u>

An analysis of plan assets is as follows:

	<u>2022</u>	<u>2021</u>
Debt instruments issued by Federal and state-owned entities	\$ 56,121	\$ 69,211
Investment funds	21,070	6,128
Equity instruments	<u>29,686</u>	<u>36,291</u>
Total plan assets	<u>\$ 106,877</u>	<u>\$ 111,630</u>

The financial instruments that comprise the plan assets consist of shares that are publicly traded in Mexico with local credit ratings of “AAA” and “AA”.

As at December 31, 2022, Grupo Peñoles does not expect to make contributions to the defined benefit plan in 2022.

The most significant assumptions used in calculating the defined benefit obligation, plan assets and the net periodic benefit expense were as follows:

Actuarial assumptions	<u>2022</u>	<u>2021</u>
Average discount rate to reflect present value	10.22%	7.96%
Average salary increase rate	5.25%	5.00%
Expected inflation rate	3.75%	3.50%

19. Employee Benefits (continued)

The most significant demographical assumptions for 2022 and 2021 were the “EMMSSA09 dinámica” and the mortality rates published by the Mexican Social Security Institute (IMSS).

The weighted average lifetime of the defined benefit obligation as at December 31, 2022 is 9.18 years.

The discount rate used to reflect the defined benefit obligations at present value, the projected salary increase, and the projected working lives of employee were identified as significant actuarial assumptions. The calculation of the defined benefit obligation may be sensitive to changes in any of these assumptions.

The following changes in assumptions that affect the calculation of the defined benefit obligation are considered to be reasonably possible:

- A 0.5% increase/decrease in the discount rate
- A change of 1 year in the projected working lives

A sensitivity analysis showing the potential impact on the defined benefit obligation resulting from an increase/decrease in the assumptions as at December 31, 2022, with all other variables held constant, is as follows:

	<u>Increase in assumption</u>		<u>Decrease in assumption</u>	
	<u>Effect</u>	<u>%</u>	<u>Effect</u>	<u>%</u>
Discount Rate 0.5%	<u><u>\$ (6,155)</u></u>	<u><u>(3.9%)</u></u>	<u><u>\$ 6,985</u></u>	<u><u>4.5%</u></u>

The change in the liability resulting from a 1-year increase in the projected working lives of the employees totals \$2,635, which represents a change of approximately 1.7%.

A sensitivity analysis showing the potential impact on the defined benefit obligation resulting from an increase/decrease in the assumptions as at December 31, 2021, with all other variables held constant, is as follows:

	<u>Increase in assumption</u>		<u>Decrease in assumption</u>	
	<u>Effect</u>	<u>%</u>	<u>Effect</u>	<u>%</u>
Discount Rate 0.5%	<u><u>\$ (7,419)</u></u>	<u><u>(4.5%)</u></u>	<u><u>\$ 8,226</u></u>	<u><u>5.0%</u></u>

The change in the liability resulting from a 1-year increase in the projected working lives of the employees totals \$3,151, which represents a change of approximately 1.9%.

20. Provisions

An analysis of provisions is as follows:

	<u>2022</u>	<u>2021</u>
Ecological rehabilitation	<u><u>\$ 432,417</u></u>	<u><u>\$ 463,005</u></u>

20. Provisions (concludes)

Changes in provisions for ecological rehabilitation for the years ended December 31, 2022 and 2021 are as follows:

	<u>2022</u>	<u>2021</u>
Balance as at 1 January	\$ 463,005	\$ 449,737
(Utilized)/arising during the year (Note 13)	(37,020)	(8,608)
Payments for the year	(4,263)	(3,835)
Increase/(decrease) in provision for rehabilitation of closed mines	17,031	7,518
Increase other accounts payable	2,586	-
Financial discount (Note 34)	27,438	21,291
Provision related to non-current assets classified as held for sale (Note 40)	(35,609)	-
Foreign exchange loss	(751)	(3,098)
Ending balance as at December 31	<u>\$ 432,417</u>	<u>\$ 463,005</u>

This provision represents the present value of the future costs of decommissioning and rehabilitating mining units as of their dates of depletion. These provisions have been created in accordance with the obligation established in the Mining Act and other applicable legal ordinances, as well as in accordance with the environmental and social responsibility policies of Grupo Peñoles.

The assumptions used in determining the provisions for the costs of decommissioning and removing structures, rehabilitating mines and tailings dams and decommissioning the processing plant and operating facilities, as well as the cost incurred for rehabilitation, reclamation, and re-vegetation of affected areas. These assumptions are included as part of Grupo Peñoles sustainable development policies and were assessed and certified by independent experts with international experience in mining unit rehabilitation matters. Other adjusted assumptions included the discount rate for reflecting Grupo Peñoles ecological rehabilitation obligations at their present value.

The calculation of the provision includes a number of certain uncertainties related to cost estimates, including possible changes in the applicable legal environment and Grupo Peñoles' technical options for decommissioning and removing structures and reclaiming the affected areas of each mining unit, the estimated mineral levels and related also to actual inflation and discount rates at the time the costs are incurred.

The changes in the aforementioned assumptions were recognized as an adjustment to the previously recognized decommissioning asset that will be amortized over the average remaining lives of Grupo Peñoles' mining units, which as of December 31, 2022, range from 3 to 35 years.

The present value of the provision was calculated using discount rates from 10.00% to 10.62% in 2022 and 6.39% to 8.36% in 2021.

21. Income Tax and Special Tax for Mining Companies

Tax environment

As previously explained in the consolidated financial statements, Grupo Peñoles is a Mexican corporation with subsidiaries abroad which, as at December 31, 2022 and 2021, were subject to a minor tax effect of \$6,002 and \$4,563, respectively, which represented -0.006% and 0.002%, respectively, of the income tax for those years. An analysis of income tax matters related to Grupo Peñoles operations in Mexico are as follows:

21. Income Tax and Special Tax for Mining Companies (continued)

2023 Income Tax amendments

For 2023 there are no significant changes that affect the income tax, only for formal issues in force related to the new version of the issuable digital invoice “CFDI” (“Comprobante Fiscal Digital por internet” by its acronym in Spanish) and the bill of lading.

2022 Income Tax amendments

As of 1 January 2022, the most relevant changes in income tax are as follows: (1) interest payable to related parties shall be considered dividends for tax purposes if loans lack business purpose; (2) mining concessions shall not be recognized as an expense in the pre-operating period, but instead shall be amortized over the concession term; (3) constructions in mining plots shall be depreciated at a rate of 5%; (4) in case of a divestment, any tax loss to be deducted from taxable profit shall be divided among the original company and the newly created companies that operate in the same industry; (5) the withholding rate for interest payable by institutions of the financial system shall be reduced from 0.97% in 2021 to 0.08% in 2022.

Income tax

The Mexican Income Tax Law (MITL) stipulates a 30% corporate income tax rate.

Tax consolidation

Industrias Peñoles, S.A.B. de C.V. and its subsidiaries determined their income tax through 2013 on a consolidated basis in accordance with the tax laws in effect in Mexico through that year. However, as a result of the 2014 Mexican Tax Reform, beginning 1 January 2014 both Industrias Peñoles, S.A.B. de C.V. and all its subsidiaries shall calculate their taxes on an individual basis.

In accordance with the new MITL that is effective for annual periods beginning on or after 1 January 2014, groups that were previously tax-consolidated as at December 31, 2013 must deconsolidate and remit all the deferred income tax and asset tax that had been deferred by each entity on an individual basis. As a result, Industrias Peñoles, S.A.B. de C.V., as the controlling company, must remit any income tax that had been deferred on a consolidated basis following a procedure for remitting deferred income tax similar to the one included in the changes in tax consolidation rules introduced in 2010.

The 2014 Mexican Tax Reform establishes the following two periods in which taxpayers must remit previously deferred taxes as a result of deconsolidation: i) a period of five years, over which the first 25% must be remitted by no later than 31 May 2014 and the remaining 75% to be remitted in four annual installments (25%, 20%, 15% and 15%) over the subsequent four years, and ii) a period of ten years in accordance with the tax law in effect through 2013.

The items that gave rise to deferred income tax from tax consolidation are as follows:

- a) Tax losses of the controlled companies carried forward in the calculation of the consolidated tax result and that have not been carried forward individually by the controlled companies.
- b) Dividends distributed by controlled companies and that were not paid from the balances of their Net taxed profits account (CUFIN by its acronym in Spanish) or Net reinvested taxed profits account (CUFINRE by its acronym in Spanish).
- c) Special consolidation benefits related to transactions carried out between consolidating entities.

21. Income Tax and Special Tax for Mining Companies (continued)

Industrias Peñoles, S.A.B. de C.V. has determined a tax deconsolidation effect as at December 31, 2022 of income tax payable of \$5,220, which is primarily the result of the recapture of the tax losses of its consolidated subsidiaries from between 2011 and 2013 that expire in 2023.

Special tax for mining companies

The Special Tax for Mining Companies (DEM by its acronym in Spanish) is an income tax for entities that hold mining concessions and mining rights. The DEM is equal to 7.5% of a mining company's taxable profit, minus the deductions authorized under the MITL, excluding deductions for investments, interest, and the annual inflation adjustment. The DEM may be credited against a mining Company's income tax of the same year and it must be remitted within the first three months of the following year.

Derived from the conversations held with the Tax Administration Service (SAT) in relation to the audits of the income tax for the years 2014, 2015 and 2016 in the subsidiary Desarrollos Mineros Fresne, S. de R.L. de C.V. Grupo Peñoles decided to voluntarily modify the treatment of stripping costs and the deduction of exploration expenses in income tax and mining rights. These modifications were applied from 2014 to 2021 (for the year 2021 they were made in the subsidiary Minera Penmont, S. de R.L. de C.V., as a merging entity of Desarrollos Mineros Fresne) and resulted in an income tax expense of \$3,200 and \$2,700 of special rights on mining, as well as a balance in favor of income tax for an amount of \$3,200. The effect on profit or loss was offset by a decrease in deferred income tax of \$3,600. The modification also generated accessories (upgrades and surcharges) in the amount of \$11,500.

Recognition in the financial statements

Deferred income tax from tax consolidation

An analysis of payments to be made in future years corresponding to the remittance of income tax deferred from tax consolidation is as follows:

	<u>2022</u>	<u>2021</u>
2022	\$ -	\$ 5,468
2023	<u>5,220</u>	<u>4,550</u>
Total income tax from tax consolidation	5,220	10,018
Deferred tax on the reinvestment of CUFINRE earnings	<u>184</u>	<u>173</u>
Total income tax	5,404	10,191
Less: Current portion due (1)	<u>(5,404)</u>	<u>(5,468)</u>
Total non-current portion of income tax recapture	<u>\$ -</u>	<u>\$ 4,723</u>

(1) Shown under Current income tax.

21. Income Tax and Special Tax for Mining Companies (continued)*Changes in the deferred tax liability*

An analysis of the temporary differences giving rise to deferred income tax liabilities is as follows:

	<u>2022</u>	<u>2021</u>
Deferred income tax liabilities:		
Trade and other accounts receivable	\$ 104,681	\$ 82,362
Inventories	(128,656)	1,758
Property, plant, and equipment	(84,095)	155,292
Other financial assets	50,726	47,010
Deferred income tax assets:		
Other financial liabilities	(7,616)	(18,580)
Suppliers and other accounts payable	(138,304)	(166,973)
Net leases payments	(7,361)	(8,808)
Provisions	(107,925)	(120,573)
Employee benefits	(7,774)	(8,163)
Available tax loss carryforwards	<u>(226,674)</u>	<u>(179,991)</u>
Deferred income tax	(552,998)	(216,666)
Special tax for mining companies	<u>(17,241)</u>	<u>20,703</u>
Deferred income tax liability, net	<u><u>\$ (570,239)</u></u>	<u><u>\$ (195,963)</u></u>

Shown in the consolidated statement of financial position:

Deferred income tax asset	\$ 702,938	\$ 280,961
Deferred income tax liability	<u>132,699</u>	<u>84,998</u>
	<u><u>\$ (570,239)</u></u>	<u><u>\$ (195,963)</u></u>

An analysis of tax loss carryforwards as at December 31, 2022 recognized as part of deferred income tax, as well as tax loss carryforwards for which no deferred tax asset was recognized, and their expiration dates is as follows:

<u>Year</u>	<u>Total</u>	<u>Recognized amount</u>	<u>Unrecognized amount</u>
2023	\$ 234	\$ 1	\$ 233
2024	7,202	6	7,196
2025	11,101	1	11,100
2026	15,907	9,016	6,891
2027	5,495	775	4,720
2028	6,381	859	5,522
2029	45,680	4,018	41,662
2030	82,639	52,192	30,447
2031	121,767	109,406	12,361
2032	<u>60,020</u>	<u>50,400</u>	<u>9,620</u>
	<u><u>\$ 356,426</u></u>	<u><u>\$ 226,674</u></u>	<u><u>\$ 129,752</u></u>

21. Income Tax and Special Tax for Mining Companies (continued)

In Mexico, the tax loss carryforwards expire in ten years on a stand-alone basis.

Deferred income tax assets are recognized for the carry-forward of unused tax losses and unused tax credits to the extent that it is probable that taxable profits will be available in the future against which the unused tax losses/credits can be utilized.

Deferred income tax assets have not been recognized in respect of these losses as they may not be used to offset taxable profits elsewhere in Grupo Peñoles, they have arisen in subsidiaries that have been loss-making for some time, and there is no other evidence of recoverability in the near future to support (either partially or in full) the recognition of the losses as deferred income tax assets.

Income tax recognized in profit or loss

An analysis of income tax recognized in the consolidated statement of profit or loss for the years ended December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Current income tax	\$ 214,524	\$ 360,554
Deferred income tax related to the creation and reversal of temporary differences	(338,850)	(128,858)
Special tax on production and services credit	<u>(506)</u>	<u>(2,437)</u>
Current Income tax	<u>(124,832)</u>	<u>229,259</u>
Current special tax on mining companies	58,820	70,032
Deferred special tax on mining companies	<u>(37,030)</u>	<u>(38,377)</u>
Special tax on mining companies	<u>21,790</u>	<u>31,655</u>
Total income tax expense recognized in profit or loss	<u><u>\$ (103,042)</u></u>	<u><u>\$ 260,914</u></u>

A reconciliation of the statutory income tax rate to the effective income tax rate recognized by Grupo Peñoles for financial reporting purposes is as follows:

	<u>2022</u>	<u>2021</u>
Income tax at statutory rate determined in Mexico (30%)	\$ 66,758	\$ 247,050
Effects of inflation for tax purposes	(126,691)	(88,135)
Non-deductible expenses	17,612	12,307
Effect of foreign currency translation on the tax value of assets and liabilities	(108,343)	39,280
Special tax on production and services credit	(506)	(2,437)
Unrecognized deferred tax assets	46,595	17,626
Deferred special tax on mining companies	(6,692)	(10,600)
Other items	5,821	8,245
Reversal of tax incentive due to merger and tax expense/(benefit) in border region	<u>(19,386)</u>	<u>5,923</u>
Income tax	<u><u>\$ (124,832)</u></u>	<u><u>\$ 229,259</u></u>
Effective income tax rate	<u><u>(56.1%)</u></u>	<u><u>27.8%</u></u>

21. Income Tax and Special Tax for Mining Companies (concludes)*Income tax recognized in other comprehensive income*

An analysis of deferred income tax recognized directly in equity for the years ended December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Unrealized gain/(loss) on valuation of financial assets in equity instruments	\$ 2,831	\$ 16,794
Unrealized loss on valuation of employee benefits	(1,503)	(2,156)
Unrealized (loss)/gain on valuation of hedges	(5,704)	(34,115)
	<u>\$ (4,376)</u>	<u>\$ (19,477)</u>

Unrecognized deferred tax on equity investments in subsidiaries

Grupo Peñoles has not recognized all of the deferred tax liability in respect of distributable reserves of its subsidiaries because it exercises control over those subsidiaries and only a portion of the temporary differences are expected to reverse in the foreseeable future. As at December 31, 2022 and 2021, the temporary differences for which a deferred tax liability has not been recognized amounted to \$678,762 and \$879,339, respectively.

22. Equity and Components of Other Comprehensive Income*Share capital*

The share capital of Industrias Peñoles, S.A.B. de C.V. as at December 31, 2022 and 2021 is represented by common registered shares with no par value. Fixed minimum share capital is represented by Class I shares and variable share by Class II shares. An analysis is as follows:

	<u>Shares</u>		<u>Amount</u>	
	<u>2022</u>	2021	<u>2022</u>	<u>2021</u>
Share capital authorized and subscribed	413,264,747	413,264,747	\$ 403,736	\$ 403,736
Share buybacks	<u>15,789,000</u>	<u>15,789,000</u>	<u>2,337</u>	<u>2,337</u>
Outstanding nominal share capital	<u>397,475,747</u>	<u>397,475,747</u>	<u>\$ 401,399</u>	<u>\$ 401,399</u>

As at December 31, 2022 and 2021, the company's nominal share capital consists of minimum fixed share capital of \$401,399 (equal to Ps. 2,191,210) and variable share capital, which may not exceed ten times the amount of fixed share capital.

Undistributed earnings

Dividends paid to individuals and foreign corporations from earnings generated as of January 1, 2014 shall be subject to an additional 10% withholding income tax.

At an ordinary and shareholders' meeting held on May 31, 2022, the shareholders resolved that an amount of up to \$191,515 (equal to Ps. 3,500,000) could be used to acquire treasury shares in accordance with the Mexican Securities Market Act. Grupo Peñoles has created a reserve for this amount under undistributed earnings.

22. Equity and Components of Other Comprehensive Income (continued)*Legal reserve*

Grupo Peñoles is required to appropriate at least 5% of the net profit of each year to increase the legal reserve. This practice must be continued each year until the legal reserve reaches 20% of the value of Grupo Peñoles' share capital. At date, Grupo Peñoles has fully covered this percentage. This reserve may not be distributed, except in the form of share dividends.

Components of other comprehensive loss*Effect of unrealized gain or loss on valuation of hedges*

This includes the effective portion of the gain or loss on valuation of financial instruments classified as cash flow hedges, net of deferred income tax. The unrealized gain or loss is recycled to profit or loss at the time the hedged transaction occurs.

Effect of unrealized gain or loss on valuation of financial assets in equity instruments

This corresponds to the fair value changes in financial assets in equity instruments, net of deferred income tax. Gains and losses arising from these financial assets will never be reclassified to profit or loss. Dividends are recognized as Other income in the consolidated statement of profit or loss when the right of payment has been established, except when Grupo Peñoles benefits from such proceeds as a recovery of part of the cost of the financial asset. Equity instruments designated at fair value through OCI are not subject to impairment assessment.

Cumulative translation adjustment

This item represents the effects of translation to the presentation currency (U.S. dollar) of certain subsidiaries and associates, whose functional currency is the Mexican peso.

Effect of unrealized gain or loss on revaluation of labor obligations

This item represents the actuarial gain or loss arising on changes in liabilities for retirement benefits due to changes made to the actuarial assumptions used to calculate the liability.

An analysis of Grupo Peñoles' components of other comprehensive (loss)/income as at December 31, 2022 and 2021 is as follows:

	Remeasurement effect of employee benefits	Unrealized gain or loss on valuation of hedges	Unrealized gain or loss on valuation of equity instruments at FVTOCI	Translation adjustment	Total
Beginning balance as at January 1, 2022	\$(21,732)	\$(7,495)	\$ 68,737	\$(81,429)	\$(41,919)
Other components of comprehensive income (loss)	<u>8,167</u>	<u>12,805</u>	<u>(5,606)</u>	<u>11,772</u>	<u>27,138</u>
Balance as at December 31, 2022	<u><u>\$(13,565)</u></u>	<u><u>\$ 5,310</u></u>	<u><u>\$ 63,131</u></u>	<u><u>\$(69,657)</u></u>	<u><u>\$(14,781)</u></u>

22. Equity and Components of Other Comprehensive Income (concludes)

	Remeasurement effect of employee benefits	Unrealized gain or loss on valuation of hedges	Unrealized gain or loss on valuation of equity instruments at FVTOCI	Translation adjustment	Total
Beginning balance as at January 1, 2021	\$(32,418)	\$(84,657)	\$ 99,592	\$(80,428)	\$(97,911)
Other components of Comprehensive income (loss)	<u>10,686</u>	<u>77,162</u>	<u>(30,855)</u>	<u>(1,001)</u>	<u>55,992</u>
Balance as at December 31, 2021	<u>\$(21,732)</u>	<u>\$(7,495)</u>	<u>\$ 68,737</u>	<u>\$(81,429)</u>	<u>\$(41,919)</u>

23. Earnings Per Share

Earnings per share amounts are calculated by dividing the net profit for the year attributable to ordinary shareholders of Grupo Peñoles by the weighted average number of ordinary shares outstanding during the year.

Basic and diluted earnings per share are the same as there are no instruments that have a dilutive effect on earnings.

An analysis of Grupo Peñoles' earnings per share as at December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
<i>Net profit (in thousands of U.S. dollars):</i>		
Attributable to the shareholders of Grupo Peñoles	\$ 183,363	\$ 391,348
<i>Shares (number of shares in thousands):</i>		
Weighted average number of ordinary outstanding shares	<u>397,476</u>	<u>397,476</u>
<i>Earnings Per Share</i>		
Basic and diluted earnings per share (in U.S. dollars)	<u>\$ 0.46</u>	<u>\$ 0.98</u>

24. Dividends

An analysis of dividends declared in 2021 is as follows:

	<u>2021</u>		
	<u>U.S. dollar cents per share</u>	<u>Number of shares</u>	<u>Amount</u>
Dividend declared at a regular and extraordinary shareholders' meeting held on April 29, 2021	<u>\$ 0.1258</u>	<u>397,475,747</u>	<u>\$ 50,002</u>

25. Related Parties

An analysis of balances due from and to unconsolidated related parties is as follows:

	<u>2022</u>	<u>2021</u>
<i>Receivables:</i>		
Sales:		
Dowa Mining Co. Ltd. (3)	\$ 2,674	\$ 3,843
Sumitomo Corporation (3)	-	15,616
Grupo Palacio de Hierro, S.A.B. de C.V. (1)	987	934
Eólica de Coahuila, S. de R.L. de C.V. (4)	243	341
Other	<u>96</u>	<u>80</u>
	<u>4,000</u>	<u>20,814</u>
Short-term loans:		
Inmobiliaria Industrial La Barra, S.A. (4)	<u>10,939</u>	<u>8,925</u>
Total	<u>\$ 14,939</u>	<u>\$ 29,739</u>
<i>Payables:</i>		
Short-term accounts payable:		
Termoeléctrica Peñoles, S. de R.L. de C.V. (4)	\$ 18,790	\$ 11,202
Línea Coahuila-Durango, S.A. de C.V. (2)	1,138	584
Other	<u>789</u>	<u>202</u>
	<u>20,717</u>	<u>11,988</u>
Loans:		
Minera los Lagartos, S.A. de C.V. (3)	<u>9,110</u>	<u>107,918</u>
Total	<u>\$ 29,827</u>	<u>\$ 119,906</u>
Long-term loans		
Minera los Lagartos, S.A. de C.V. (3)	<u>\$ 95,853</u>	<u>\$ -</u>

As of December 31, the connection of the loans and interests with Minera los Lagartos, S.A. de C.V. is as follows:

	<u>2022</u>	<u>2021</u>
Beginning balance as at January 1	\$ 107,918	\$ 64,425
Loans	8,626	41,756
Amortization loan	(10,008)	(91)
Accrued interest	1,058	-
Capitalized interest in property, plant and equipment	1,531	1,828
Interest payment	<u>(4,162)</u>	<u>-</u>
Ending balance as at December 31	<u>\$ 104,962</u>	<u>\$ 107,918</u>

25. Related Parties (continued)

Transactions with related entities during the periods ended December 31, 2022 and 2021 were as follows:

- (a) Grupo Peñoles, through its subsidiary Minera Tizapa, sold lead, zinc, gravimetric and copper concentrates. The selling price of these concentrates was determined by reference to the international markets and based on the metal content payable.
- (b) Grupo Peñoles, through a subsidiary, has entered into several power supply agreements with its related parties under a self-supply scheme. For further information, see Note 37.
- (c) Grupo Peñoles has entered into several power supply agreements with its related parties under a self-supply scheme and wholesale electricity market. For further information, see Note 37.
- (d) Transaction corresponding to insurance paid to Grupo Nacional Provincial, S.A.B. de C.V.
- (e) Business consulting and corporate management services.

<i>Revenue (a):</i>	<u>2022</u>	<u>2021</u>
Sales of concentrates and refined metal:		
Dowa Mining Co. Ltd. (3)	\$ 65,858	\$ 71,662
Sumitomo Corporation (3)	<u>217,469</u>	<u>262,344</u>
	<u>283,327</u>	<u>334,006</u>
Interest:		
Inmobiliaria Industrial La Barra, S.A. (4)	<u>844</u>	<u>1,191</u>
Electricity (b):		
Grupo Palacio de Hierro, S.A.B. de C.V. (1)	10,295	9,312
Grupo Nacional Provincial, S.A.B. de C.V. (1)	678	456
Instituto Tecnológico Autónomo de México (1)	<u>208</u>	<u>129</u>
	<u>11,181</u>	<u>9,897</u>
Other:		
Línea Coahuila Durango, S.A. de C.V. (2)	268	356
Petrobal, S.A.P.I. de C.V. (1)	464	406
Petrobal Upstream Delta 1, S.A. de C.V. (1)	400	342
Corporación Innovadora de Personal, S.A. de C.V. (1)	-	31
Técnica Administrativa Ener, S.A. de C.V. (1)	<u>-</u>	<u>67</u>
	<u>1,132</u>	<u>1,202</u>
	<u>\$ 296,484</u>	<u>\$ 346,296</u>
<i>Expenses:</i>		
Electricity (c):		
Termoeléctrica Peñoles, S. de R.L. de C.V. (4)	\$ 125,390	\$ 122,262
Eólica de Coahuila, S.A de C.V. (4)	71,513	63,561
Eólica Mesa la Paz, S. de R.L. de C.V. (4)	<u>36,180</u>	<u>33,882</u>
	<u>233,083</u>	<u>219,705</u>
Administrative fees:(e):		
Servicios Corporativos Bal, S.A. de C.V. (1)	<u>40,635</u>	<u>33,094</u>

25. Related Parties (concludes)

	<u>2022</u>	<u>2021</u>
Insurance and bonds (d):		
Grupo Nacional Provincial, S.A.B. de C.V. (1)	40,035	42,375
Other	<u>350</u>	<u>348</u>
	<u>40,385</u>	<u>42,723</u>
Air transportation:		
Aerovics, S.A. de C.V. (2)	<u>17,871</u>	<u>37,551</u>
Royalties:		
Dowa Mining Co. Ltd. (3)	8,586	11,454
Dowa Holdings Co. Ltd (3)	2,485	-
Sumitomo Corporation (3)	<u>3,308</u>	<u>2,952</u>
	<u>14,379</u>	<u>14,406</u>
Rent:		
MGI Fusión, S.A. de C.V. (2)	<u>3,632</u>	<u>3,058</u>
Other	<u>9,333</u>	<u>9,395</u>
	<u>\$ 359,318</u>	<u>\$ 359,932</u>

(1) Affiliates under the common control of Grupo Bal and composed of independent Mexican companies, including Grupo Palacio de Hierro, S.A.B. de C.V.; Grupo Nacional Provincial, S.A.B. de C.V.; Valores Mexicanos Casa de Bolsa, S.A. de C.V.; and Petrobal, S.A.P.I. de C.V.

(2) Associates

(3) Non-controlling interest holders

(4) Other related parties

Grupo Peñoles grants the following benefits to key management personnel, which include its Steering Committee members and the paid members of its Board of Directors:

	<u>2022</u>	<u>2021</u>
<i>Short-term benefits:</i>		
Compensation and other short-term benefits	<u>\$ 11,785</u>	<u>\$ 11,970</u>
<i>Long-term benefits:</i>		
Retirement benefits	<u>\$ 8,523</u>	<u>\$ 9,376</u>

26. Sales

An analysis of sales by product type is as follows:

	<u>2022</u>	<u>2021</u>
Silver	\$ 1,587,367	\$ 1,787,603
Gold	1,838,024	2,040,104
Zinc	879,372	849,239
Lead	310,480	304,088
Ore concentrates	387,627	545,751
Copper matte	131,163	132,357
Sodium sulfate	130,130	109,232
Other products	<u>259,195</u>	<u>203,440</u>
	<u>\$ 5,523,358</u>	<u>\$ 5,971,814</u>

An analysis of sales by geographical area is as follows:

	<u>2022</u>	<u>2021</u>
Domestic sales	\$ 1,137,146	\$ 952,589
Asia	680,939	713,360
United States of America	2,238,716	2,552,157
Europe	805,716	674,250
Canada	613,690	1,001,783
South America	31,711	58,053
Other	<u>15,440</u>	<u>19,622</u>
	<u>\$ 5,523,358</u>	<u>\$ 5,971,814</u>

27. Cost of Sales

An analysis of cost of sales for the years ended December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Personnel expenses (Note 31)	\$ 377,181	\$ 307,417
Energy	481,605	437,114
Operating materials	454,303	384,709
Maintenance and repairs	431,675	343,504
Depreciation and amortization (Note 13)	671,737	705,260
Amortization of right-of-use assets (Note 15)	4,551	3,788
Transfer of by-products	(153,158)	(119,481)
Contractors	468,602	454,273
Leases of low-value assets (Note 15)	60,451	7,453
Other	263,878	221,313
Inventory adjustments	<u>(98,919)</u>	<u>105,783</u>
Cost of sale of extraction and treatment	2,961,906	2,851,133
Cost of metals sold	<u>1,528,998</u>	<u>1,564,874</u>
Total cost of sales	<u>\$ 4,490,904</u>	<u>\$ 4,416,007</u>

28. Administrative Expenses

An analysis of administrative expenses is as follows:

	<u>2022</u>	<u>2021</u>
Personnel expenses (Note 31)	\$ 122,300	\$ 110,631
Fees	91,246	90,796
Travel expenses	10,146	7,273
Information technology expenses	15,755	14,017
Amortization of right-of-use assets (Note 15)	11,284	13,034
Leases of low-value assets (Note 15)	15,806	14,967
Fees, associations and other	<u>26,167</u>	<u>32,825</u>
Total administrative expenses	<u>\$ 292,704</u>	<u>\$ 283,543</u>

29. Exploration Expenses

An analysis of exploration expenses is as follows:

	<u>2022</u>	<u>2021</u>
Personnel expenses (Note 31)	\$ 20,238	\$ 12,407
Contractors	126,804	102,500
Taxes and duties	33,423	30,748
Operating materials	1,465	760
Amortization of right-of-use assets (Note 15)	1,072	1,205
Leases of low-value assets (Note 15)	3,314	1,853
Fees, assays and other	<u>30,816</u>	<u>21,396</u>
Total exploration expenses	<u>\$ 217,132</u>	<u>\$ 170,869</u>

An analysis of liabilities associated with the exploration and evaluation of mineral resources as at December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Total exploration liabilities	<u>\$ 2,366</u>	<u>\$ 30,351</u>

An analysis of cash flows used in operating activities related to the exploration and evaluation of mineral resources is as follows:

	<u>2022</u>	<u>2021</u>
Cash flows used in operating activities	<u>\$(98,054)</u>	<u>\$(42,120)</u>

30. Selling Expenses

An analysis of selling expenses is as follows:

	<u>2022</u>	<u>2021</u>
Freight and transfers	\$ 90,415	\$ 79,100
Royalties	10,192	11,110
Handling	2,600	3,953
Extraordinary mining tax	11,271	11,406
Amortization of right-of-use assets (Note 15)	1,935	1,498
Other expenses	<u>25,916</u>	<u>23,349</u>
Total selling expenses	<u>\$ 142,329</u>	<u>\$ 130,416</u>

31. Personnel Expenses

An analysis of personnel expenses is as follows:

	<u>2022</u>	<u>2021</u>
Salaries and other employee benefits	\$ 313,947	\$ 264,496
Employee benefits at retirement	14,769	10,614
Social security dues	90,663	72,663
Social welfare and other benefits	<u>100,340</u>	<u>82,682</u>
Total personnel expenses	<u>\$ 519,719</u>	<u>\$ 430,455</u>

An analysis of personnel expenses based on their function is as follows:

	<u>2022</u>	<u>2021</u>
Cost of sales	\$ 377,181	\$ 307,417
Administrative expenses	122,300	110,631
Exploration expenses	<u>20,238</u>	<u>12,407</u>
Total personnel expenses	<u>\$ 519,719</u>	<u>\$ 430,455</u>

In 2022 and 2021, Grupo Peñoles' average number of employees (unaudited information) is as follows:

	<u>2022</u>	<u>2021</u>
Number of non-union workers	5,413	5,126
Number of unionized workers	<u>11,438</u>	<u>10,597</u>
Total	<u>16,851</u>	<u>15,723</u>

Labor outsourcing reform in Mexico

In August 2021, as a result of the labor outsourcing reform, some of Grupo Peñoles subsidiaries transferred their employees transferring the corresponding liabilities using the book-value method. These transfers had no effect on the Grupo Peñoles' consolidated financial statements and there was no consideration paid.

In addition, Grupo Peñoles hired 427 employees. Grupo Peñoles did not recognize any accounting effects from this transaction in the consolidated financial statements as at December 31, 2021.

Mexican Federal Labor Law Reform on vacation matters

During December 2022, articles 76 and 78 of the Mexican Federal Labor Law were amended, where the minimum benefits to which workers are entitled to by law are increased, this includes an increase in the number of vacation days, and therefore, the vacation premium, except in cases where the benefits granted to workers by internal policy are equal to or greater than the changes established in these articles. As of December 31, 2022, Grupo Peñoles recognized an increase in its vacation reserve and vacation premium for a total of \$12,544, which is included in the vacation reserve and vacation premium payable caption (See Note 19).

32. Other (Income) Expenses

An analysis of other (income)/expenses is as follows:

	<u>2022</u>	<u>2021</u>
Rental income	\$(935)	\$(1,709)
Income from royalties	(122)	(469)
Gain on sale of property, plant, and equipment	-	(20,418)
Gain on sale of concentrates	-	(12,332)
Income from sale of other products and services	(6,701)	-
Income from layback agreement (Note 4ii)	(67,182)	-
Other	-	(10,952)
	<u> </u>	<u> </u>
Other income	<u><u>\$(74,940)</u></u>	<u><u>\$(45,880)</u></u>

An analysis of other expenses is as follows:

	<u>2022</u>	<u>2021</u>
Donations	\$ 11,771	\$ 2,920
Maintenance expenses and increase on ecological reserve provision in closed mines	34,921	15,881
Losses from accidents	4,205	6,697
Loss on sale of material and waste	3,750	3,030
Loss on sale of other products and services	-	2,541
Fixed asset disposals	-	3,862
Loss on sale of fixed asset	7,482	-
Loss on sale of concentrates	20,253	-
Cancellation of investment projects	12,843	-
Other	1,878	-
	<u> </u>	<u> </u>
Other expenses	<u><u>\$ 97,103</u></u>	<u><u>\$ 34,931</u></u>

33. Finance Income

An analysis of finance income is as follows:

	<u>2022</u>	<u>2021</u>
Interest income on cash equivalents and other investments	\$ 31,787	\$ 7,571
Interest income from trade receivables	3,478	3,581
Finance income on tax refund	4,285	7,529
Other	6,341	1,581
	<u> </u>	<u> </u>
	<u><u>\$ 45,891</u></u>	<u><u>\$ 20,262</u></u>

34. Finance costs

An analysis of finance costs is as follows:

	<u>2022</u>	<u>2021</u>
Interest arising on financial debt	\$ 146,941	\$ 132,480
Financial discount of liability provisions (Note 20)	27,438	21,291
Net interest on defined benefit obligation (Note 19)	4,160	4,349
Finance cost on lease liabilities (Note 15)	8,482	8,311
Other	<u>14,125</u>	<u>5,041</u>
	<u>\$ 201,146</u>	<u>\$ 171,472</u>

35. Statements of Cash Flows

A reconciliation of consolidated net profit and cash flows provided by operating activities for the years ended December 31, 2022 and 2021 is as follows:

	<u>2022</u>	<u>2021</u>
Consolidated net profit	\$ 325,575	\$ 562,575
Items not affecting cash flows:		
Depreciation, amortization, and depletion (Note 13)	671,737	705,260
Amortization of right-of-use assets (Note 15)	18,842	19,525
Net periodic benefit expense (Note 19)	21,405	20,424
Share of profit of associates (Note 14)	(1,418)	5,607
Income tax (Note 21)	(103,042)	260,914
Inventory write-off (Note 11)	26,770	7,268
Provisions and allowances	31,962	8,030
Hedges applied due to early closing of positions	-	(32,138)
Other labor obligations	24,089	25,941
Foreign exchange (gain)/loss	23,078	(17,343)
(Gain)/loss on sale and retirement of fixed assets (Note 32)	7,482	(20,418)
Reversal of impairment of property, plant, and equipment (Note 13)	(21,362)	-
Fixed asset disposals	631	3,862
Interest income	(33,911)	(10,172)
Interest expense	174,379	157,606
Investment projects cancellation (Note 32)	12,843	-
Derivative financial instruments	8,025	9,671
Other	<u>2,424</u>	<u>1,909</u>
Subtotal	<u>1,189,509</u>	<u>1,708,521</u>
Trade and other accounts receivable	(18,829)	(99,765)
Inventories	(189,226)	(164,725)
Suppliers and other accounts payable	(53,655)	215,806
Income tax paid	(195,104)	(430,335)
Labor obligations (Note 19)	(4,513)	(6,079)
Ecological rehabilitation (Note 20)	(4,263)	(3,835)
Income tax refunds obtained	35,911	17,812
Special tax for mining companies paid	(68,982)	(41,821)
Employee profit sharing paid	<u>(27,843)</u>	<u>(32,111)</u>
Net cash flows from operating activities	<u>\$ 663,005</u>	<u>\$ 1,163,468</u>

36. Contingencies

As at December 31, 2022 and 2021, Grupo Peñoles had the following contingencies:

- a) Grupo Peñoles is subject to various laws and regulations which, if not observed, could give rise to penalties. Grupo Peñoles' income tax is open to review by the tax authorities (Tax Administration Service) for a period of five years following the filing of the annual corporate income tax return, and during this period the tax authorities have the right determine additional taxes owed by Grupo Peñoles, including penalties and surcharges. Under certain circumstances, these reviews may cover longer periods. As such, there is the risk that transactions, especially those with related parties, that have not been questioned in the past by the tax authorities, could be challenged by the authorities in the future.

Grupo Peñoles is currently subject to various tax audits by the tax authorities (Tax Administration Service) in relation to income tax, special mining tax and employee profit sharing and has submitted the information and documentation requested by the authorities.

- Metalúrgica Met Mex Peñoles (Grupo Peñoles subsidiary) is currently subject to a tax audit by the Tax Administration Service in relation to its 2014 and 2015 income tax obligations. The Tax Administration Service has issued several observations regarding the subsidiary's tax treatment of its trademark use right, its payment of electricity and purchase in raw material and maquila. The subsidiary is currently providing information and documentation required by the tax authorities and is in the process of a conclusive agreement with the PRODECON. To date and based on the arguments that support the tax treatment applied in that year, it is likely that this tax audit will result in no economic contingencies for Grupo Peñoles.

37. Commitments

Commitments for the purchase of mineral products

As at December 31, 2022 and 2021, the company has entered into various agreements with third parties to purchase different mineral products in order to optimize productive operations and operate metallurgical plants at their full capacity. The purchase agreements are for a total of approximately \$1,391,500 and \$1,428,942, respectively. These contracts may be canceled upon prior notice without penalties for either party.

Electric power supply

As part of its strategy to ensure the electricity supply for its operations at competitive costs, Grupo Peñoles has the following commitments related to the purchase of electricity.

- a) Termoeléctrica Peñoles

Grupo Peñoles entered into an agreement to acquire, through one of its subsidiaries, electricity from a 230 megawatt power plant.

In addition to the electric power supply agreement, Grupo Peñoles entered into a business trust agreement for the operation and maintenance of a power plant under the self-supply permit granted to Termoeléctrica Peñoles, S. de R.L. de C.V. (TEP). This trust will be terminated early in 2023 and its rights and obligations will be housed directly in Termoeléctrica Peñoles, S. de R.L. de C.V. (TEP). This agreement expires in 2027. To guarantee these purchase commitments, the developers/operators of the plant were extended a sale option ("put option") so that, in the event that the subsidiaries default on their obligations, the developers/operators may demand that Grupo Peñoles buy TEP at a price equal to the present value of the remaining payments scheduled for the subsidiaries under the agreement. The estimated cost for electricity consumption for 2023 based on the estimated proportion generation for the year of 2,014.8 Kwh is \$161,759.

37. Commitments (concludes)

b) Eólica de Coahuila

On April 25 2014, Grupo Peñoles entered into a 25-year agreement with Eólica de Coahuila, S. de R.L. de C.V. (EDC) to supply electricity to this entity under a self-supply arrangement. In order to meet its commitments under this agreement, Peñoles' subsidiaries that entered into this agreement shall buy all of the net power production that EDC generates over the agreed term, which is estimated to be 700 million kWh per year, payable on a monthly basis at a fixed determinable price per Kwh delivered by EDC to the Federal Electricity Commission at the interconnection point established in the agreement. Electricity production commenced in April 2017. In addition to this agreement, Grupo Peñoles also entered into a put option agreement to transfer the partnership interests of EDC upon occurrence of certain default events. The estimated cost for electricity consumption for 2023 based on the estimated proportion generation for the year of 751.3 Kwh is \$68,150.

c) Eólica Mesa La Paz

On January 25 2018, Grupo Peñoles entered into a 25-year power supply agreement with Eólica Mesa La Paz, S. de R.L. de C.V., (MLP) in accordance with the Electric Industry Law. Under this agreement, Grupo Peñoles' subsidiaries will be supplied, through a Qualified Service Provider, with 67.8% of the net energy produced by MLP during the first seven years, which is estimated to be 782.3 million kWh per year. From the eighth year to the expiration of the agreement, the subsidiaries will be supplied with 100% of the net energy produced by MLP, which is estimated to be 1,170.0 million Kwh per year. Grupo Peñoles agreed to pay a determinable fixed price per Kwh delivered by MLP to the National Electric System at the interconnection point established in the agreement. Electricity production commenced in April 2020. In addition to this agreement, Grupo Peñoles also entered into a put option agreement to transfer the partnership interests of MLP upon occurrence of certain default events. The estimated cost for electricity consumption for 2023 based on the estimated proportion generation for the year of 832.3 Kwh is \$36,905.

38. Financial Instruments**Analysis by category**

An analysis of financial instruments by category as at December 31, 2022 and 2021 is as follows:

	At amortized cost and nominal amount (*)	Fair value		
		Through profit or loss	Through OCI	Hedging instruments
Financial assets:				
Cash and cash equivalents (*)	\$ 1,468,918	\$ -	\$ -	\$ -
Trade and other accounts receivable	340,020	1,567	-	-
Other financial assets (Note 10)	4,233	-	-	47,344
Financial assets in equity instruments (Note 12)	-	-	167,123	-
	<u>\$ 1,813,171</u>	<u>\$ 1,567</u>	<u>\$ 167,123</u>	<u>\$ 47,344</u>

38. Financial Instruments (continued)

	<u>At fair value</u>		
	<u>At amortized cost</u>	<u>Through profit or loss</u>	<u>Hedging instruments</u>
Financial liabilities:			
Financial debt (Note 18)	\$ 2,908,018	\$ -	\$ -
Suppliers and other accounts payable	427,311	1,055	-
Other financial liabilities (Note 17)	<u>95,853</u>	<u>8,959</u>	<u>47,214</u>
	<u>\$ 3,431,182</u>	<u>\$ 10,014</u>	<u>\$ 47,214</u>

An analysis of financial instruments by category as at December 31, 2021 is as follows:

	<u>At amortized cost and nominal amount (*)</u>	<u>Fair value</u>		
		<u>Through profit or loss</u>	<u>Through OCI</u>	<u>Hedging instruments</u>
Financial assets:				
Cash and cash equivalents (*)	\$ 1,817,094	\$ -	\$ -	\$ -
Trade and other accounts receivable	311,855	2,038	-	-
Other financial assets (Note 10)	3,953	-	-	85,474
Financial assets in equity instruments (Note 12)	<u>-</u>	<u>-</u>	<u>176,560</u>	<u>-</u>
	<u>\$ 2,132,902</u>	<u>\$ 2,038</u>	<u>\$ 176,560</u>	<u>\$ 85,474</u>

	<u>At fair value</u>		
	<u>At amortized cost</u>	<u>Through profit or loss</u>	<u>Hedging instruments</u>
Financial liabilities:			
Financial debt	\$ 2,936,822	\$ -	\$ -
Suppliers and other accounts payable	489,533	1,707	-
Other financial liabilities (Note 17)	<u>-</u>	<u>16,039</u>	<u>106,676</u>
	<u>\$ 3,426,355</u>	<u>\$ 17,746</u>	<u>\$ 106,676</u>

38. Financial Instruments (continued)**Fair value of financial instruments and fair value hierarchy**

An analysis of Grupo Peñoles' fair value financial instruments as at December 31, 2022 and 2021 is as follows:

	December 31, 2022		December 31, 2021	
	Carrying amount	Fair value	Carrying amount	Fair value
Financial assets:				
Cash and cash equivalents	\$ 1,468,918	\$ 1,468,918	\$ 1,817,094	\$ 1,817,094
Trade and other accounts receivable	341,587	341,587	313,893	313,893
Other financial assets	51,577	51,577	89,426	89,426
Financial assets in equity instruments	<u>167,123</u>	<u>167,123</u>	<u>176,560</u>	<u>176,560</u>
	<u>\$ 2,029,205</u>	<u>\$ 2,029,205</u>	<u>\$ 2,396,973</u>	<u>\$ 2,396,973</u>

	December 31, 2022		December 31, 2021	
	Carrying amount	Fair value	Carrying amount	Fair value
Financial liabilities:				
Financial debt	\$ 2,908,018	\$ 2,482,177	\$ 2,936,822	\$ 3,215,522
Suppliers and other accounts payable	428,366	428,366	491,240	491,240
Other financial liabilities	<u>152,026</u>	<u>152,026</u>	<u>122,715</u>	<u>122,715</u>
	<u>\$ 3,488,410</u>	<u>\$ 3,062,569</u>	<u>\$ 3,550,777</u>	<u>\$ 3,829,477</u>

The following analysis shows the fair value of the financial instruments measured using three classifications:

Level 1: quoted prices in active markets for identical assets or liabilities.

Level 2: inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly (i.e., as prices) or indirectly (i.e., derived from prices).

Level 3: unobservable inputs for the asset or liability.

	December 31, 2022			Total
	Level 1	Level 2	Level 3	
Trade and other accounts receivable:				
Embedded derivatives	\$ -	\$ 1,567	\$ -	\$ 1,567
Other financial assets:				
Forwards and options	-	47,330	-	47,330
Futures	14	-	-	14
Financial assets in equity instruments	<u>167,123</u>	<u>-</u>	<u>-</u>	<u>167,123</u>
	<u>\$ 167,137</u>	<u>\$ 48,897</u>	<u>\$ -</u>	<u>\$ 216,034</u>

38. Financial Instruments (continued)

	December 31, 2022			Total
	Level 1	Level 2	Level 3	
Suppliers and other accounts payable:				
Embedded derivatives	\$ -	\$ 1,055	\$ -	\$ 1,055
Other financial liabilities:				
Forwards and options	-	56,162	-	56,162
Futures	<u>11</u>	<u>-</u>	<u>-</u>	<u>11</u>
	<u>\$ 11</u>	<u>\$ 57,217</u>	<u>\$ -</u>	<u>\$ 57,228</u>

As at December 31, 2021:

	December 31, 2021			Total
	Level 1	Level 2	Level 3	
Trade and other accounts receivable:				
Embedded derivatives	\$ -	\$ 2,038	\$ -	\$ 2,038
Other financial assets:				
Forwards and options	-	85,353	-	85,353
Futures	121	-	-	121
Financial assets in equity instruments	<u>176,560</u>	<u>-</u>	<u>-</u>	<u>176,560</u>
	<u>\$ 176,681</u>	<u>\$ 87,391</u>	<u>\$ -</u>	<u>\$ 264,072</u>

	December 31, 2021			Total
	Level 1	Level 2	Level 3	
Suppliers and other accounts payable:				
Embedded derivatives	\$ -	\$ 1,707	\$ -	\$ 1,707
Other financial liabilities:				
Forwards and options	-	122,681	-	122,681
Futures	<u>34</u>	<u>-</u>	<u>-</u>	<u>34</u>
	<u>\$ 34</u>	<u>\$ 124,388</u>	<u>\$ -</u>	<u>\$ 124,422</u>

Hedging instruments

Grupo Peñoles contracts derivatives with various financial institutions to reduce its exposure to changes in the variables and pricing of its transactions. This risk consists of the risk associated with fluctuations in the prices of produced or processed metals and energy, as well as the exchange rates associated with Grupo Peñoles' financial and business transactions.

To minimize its counterparty credit risk, Grupo Peñoles has entered into agreements only with well-known and financially strong financial institutions. Grupo Peñoles does not expect any of its counterparties to default on their obligations and thus does not consider it necessary to create any reserves for counterparty risk.

38. Financial Instruments (continued)*Cash-flow hedges*

An analysis of the fair value of derivatives that qualify as cash flow hedges recognized directly in equity as an unrealized loss as at December 31, 2022 is as follows:

Commodity	Derivative	Notional amount (2)	Strike price (1)	Fair value
Metal price (a):				
Silver (ounces)	Option	11,656,400	\$22 - \$32	\$ 5,477
Silver (ounces)	Futures	2,135,671	\$24	372
Gold (ounces)	Option	42,142	\$1,651- \$2,109	106
Gold (ounces)	Futures	188,888	\$1,809	1,240
Lead (tons)	Swaps	4,341	\$2,146	377
Zinc (tons)	Option	6,275	\$2,645- \$3,326	67
Zinc (tons)	Swaps	74,610	\$3,092	9,557
Energy cost hedging program (d):				
Natural gas (MMbtu)	Futures	320,000	\$4.25	379
Foreign currency (b):				
Euro	Futures	17,827,747	\$2.09	355
Financial interest rate (d):				
Interest rate	IRS	38,865,890	0.02	2,139
Total (Note 10)				<u>\$ 20,069</u>

An analysis of the fair value of derivatives that qualify as cash flow hedges recognized directly in equity as an unrealized loss as at December 31, 2022 is as follows:

Commodity	Derivative	Notional amount (2)	Strike price (1)	Fair value
Metal price (a):				
Silver (ounces)	Option	1,554,000	\$22- \$26	\$ 164
Silver (ounces)	Futures	158,414	\$24	39
Gold (ounces)	Option	49,275	\$1,650- \$2,081	806
Gold (ounces)	Futures	228	\$1,822	7
Copper (ounces)	Swaps	4,897	\$8,063	1,686
Lead (tons)	Swaps	11,198	\$2,100	1,906
Zinc (tons)	Option	25,153	\$2,645- \$3,263	477
Zinc (tons)	Swaps	10,797	\$2,894	1,647
Energy cost hedging program (d):				
Natural gas	Futures	3,520,000	\$4.25	6,679
Foreign currency (b):				
Euro	Futures	6,748,077	\$2.21	520
Total (Note 17)				<u>\$ 13,931</u>

38. Financial Instruments (continued)

AI An analysis of the fair value of derivatives that qualify as cash flow hedges recognized directly in equity as an unrealized gain as at December 31, 2021 is as follows:

Commodity	Derivative	Notional amount (2)	Strike price (1)	Fair value
Metal price (a):				
Silver (ounces)	Option	20,556,000	\$ 44 - \$ 81	\$ 18,879
Silver (ounces)	Futures	151,642	\$ 23	58
Gold (ounces)	Option	158,690	\$ 1,671 - \$ 2,124	1,523
Gold (ounces)	Futures	128,055	\$ 1,809	1,212
Lead (tons)	Option	1,056	\$ 2,095 - \$ 2,602	23
Lead (tons)	Futures	151	\$ 2,325	-
Zinc (tons)	Futures	1,894	\$ 3,163	384
Energy cost hedging program (c):				
Natural gas (MMbtu)	Futures	590,000	\$ 4	205
Foreign currency (b):				
Euro	Futures	13,532,922	\$ 2.27	45
Financial interest rate (d):				
Interest rate	IRS	962,325,000	6.01	251
Total (Note 10)				<u>\$ 22,580</u>

A An analysis of the fair value of derivatives that qualify as cash flow hedges recognized directly in equity as an unrealized loss as at December 31, 2021 is as follows:

Commodity	Derivative	Notional amount (2)	Strike price (1)	Fair value
Metal price (a):				
Silver (ounces)	Futures	679,502	\$ 23.01	\$ (133)
Gold (ounces)	Option	77,110	\$ 1,667 - \$ 2,028	(639)
Gold (ounces)	Futures	4,747	\$ 1,804	(81)
Copper (ounces)	Futures	2,066	\$ 9,456	(405)
Lead (tons)	Option	96	\$ 2,095 - \$ 2,575	-
Lead (tons)	Futures	11,413	\$ 2,313	(346)
Zinc (tons)	Option	76,700	\$ 5,123 - \$ 6,407	(20,077)
Zinc (tons)	Futures	44,651	\$ 3,303	(8,733)
Energy cost hedging program (c):				
Natural gas	Futures	3,250,000	\$ 4.09	(2,729)
Foreign currency (b):				
Euro	Futures	19,655,898	\$ 2.34	(978)
Swedish krona	Futures	5,587,555	\$ 9.03	(23)
Financial interest rate (d):				
Interest rate	IRS	48,582,362	2.03	(906)
Total (Note 17)				<u>\$ (35,050)</u>

Note:

- (1) The prices in the above table reflect the weighted average sale or purchase price of forwards and the weighted average strike price of put and call options.
- (2) Contracts that commit a portion of Grupo Peñoles' production from 2022 to 2023.

38. Financial Instruments (continued)

a) Metal price hedging program

Grupo Peñoles values its transactions based on the international market prices listed on the London Metal Exchange (for base metals) and the London Bullion Market Association (for precious metals).

As a result, the income of Grupo Peñoles may be affected by variances in the above-mentioned market prices and for this purpose, Grupo Peñoles establishes hedge programs based on its budgeted production using derivative financial instruments, such as “forwards” and “put” and “call” options.

Hedging positions

Due to 2020 metal price conditions, Grupo Peñoles decided to close a portion of the market value of its gold, silver and zinc hedging positions in advance and thus monetize \$87,664. According to the cash flow hedge accounting, realized gains are recognized in other comprehensive income and the profit generated by the closing of the hedged items will be recognized on the dates on which the forecasted transactions take place for the period from April 30 2020 to December 31, 2021. As at December 31, 2022 and 2021, Grupo Peñoles recognized a hedge amortization expense of \$- and \$32,138 respectively.

b) Foreign currency hedging program

As at December 31, 2022 and 2021, Grupo Peñoles has the following derivative contracts to hedge a portion of its fixed asset acquisitions denominated in euros (EUR), Swedish kronor (SEK) and pound sterling (GBP).

c) Energy cost hedging program

This program is aimed at stabilizing Grupo Peñoles’ costs in U.S. dollars associated with changes in natural gas prices for its subsidiaries that buy natural gas and assuring the continuity of Grupo Peñoles’ operations.

d) Interest rate hedging program

The aim of this program is to use swaps to stabilize the borrowing costs of Grupo Peñoles’ loans in U.S. dollars and/or Mexican pesos. Grupo Peñoles contracts hedge instruments covering its financing costs related to loans with floating interest rates.

As at December 31, 2022 and 2021, Grupo Peñoles has debt under the Export Credit Agency (ECA) structure that bears floating interest at a rate equal to the LIBOR. Grupo Peñoles’ strategy has been to fully hedge the interest rate of its current debt. See Note 18.

Likewise, Grupo Peñoles contracted foreign currency hedges to mitigate any potential adverse effect of a significant revaluation in the Mexican peso/U.S. dollar exchange rate on its production costs denominated in Mexican pesos.

38. Financial Instruments (continued)

The fair value of financial instruments classified as cash flow hedges, net of deferred income tax recognized in equity, is as follows:

	<u>2022</u>	<u>2021</u>
Fair value of financial instruments	\$ 6,264	\$(12,187)
Hedges balance due to early closing of positions	-	-
Ineffectiveness and effect of time value of options excluded from hedges	1,303	740
Deferred income tax	<u>(2,270)</u>	<u>3,434</u>
Net fair value of deferred income tax recognized directly in equity	<u>\$ 5,297</u>	<u>\$(8,013)</u>

Changes in the unrealized profit (loss) on valuation of hedges for the years ended December 31, 2022 and 2021 are as follows:

	<u>2022</u>	<u>2021</u>
Beginning balance as at 1 January	\$(8,014)	\$(87,615)
Gain/loss reclassified to earnings	4,844	(123,894)
Deferred income tax	(1,453)	37,168
Realized gain on hedges due to early closing of	-	32,138
Reclassification to profit or loss of realized loss on hedges due to early closing of positions	-	(32,138)
Deferred income tax	-	-
Changes in the fair value of hedges	14,171	237,609
Deferred income tax	<u>(4,251)</u>	<u>(71,283)</u>
Unrealized loss net of deferred income tax as at December 31	<u>\$ 5,297</u>	<u>\$(8,013)</u>

As at December 31, 2022, derivative contracts consist of forecast transactions that Grupo Peñoles expects to carry out between 2022 and 2027. An analysis of the anticipated reclassification (in years) from equity to profit or loss is as follows:

	<u>2022</u>		
	<u>1</u>	<u>2 or more</u>	<u>Total</u>
Unrealized loss	<u>\$ 161</u>	<u>\$ 5,136</u>	<u>\$(5,297)</u>
	<u>2021</u>		
	<u>1</u>	<u>2 or more</u>	<u>Total</u>
Unrealized loss	<u>\$(16,678)</u>	<u>\$ 8,665</u>	<u>\$(8,013)</u>

38. Financial Instruments (continued)

An analysis of the net unrealized gain on the settlement of derivate contracts is as follows:

	<u>2022</u>	<u>2021</u>
Sales	\$(3,198)	\$(70,959)
Cost of Sales	(2,297)	21,749
Interest expense	<u>(6,907)</u>	<u>(284)</u>
Total	<u>\$(12,402)</u>	<u>\$(49,494)</u>

Fair value hedges

An analysis of the fair value of derivatives that qualify as fair value hedges recognized as an unrealized gain as at December 31, 2022 is as follows:

<u>Commodity</u>	<u>Derivative</u>	<u>Notional amount</u>	<u>Strike price (1)</u>	<u>Fair value</u>
Metal price:				
Lead (tons)	Futures	679	\$ 2,587	\$ 459
Lead (tons)	Futures	5,300	\$ 2,235	(278)
Zinc (tons)	Futures	26,596	\$ 3,469	8,537
Copper (tons)	Futures	243	\$ 8,596	<u>13</u>
Total (Note 10)				<u>\$ 8,731</u>

An analysis of the fair value of derivatives that qualify as fair value hedges recognized as an unrealized loss as at December 31, 2022 is as follows:

<u>Commodity</u>	<u>Derivative</u>	<u>Notional amount</u>	<u>Strike price (1)</u>	<u>Fair value</u>
Metal price:				
Gold (ounces)	Futures	-	-	\$ 12
Silver (ounces)	Futures	300,000	\$ 24	602
Zinc (tons)	Futures	27,950	\$ 3,021	(1,474)
Copper (tons)	Futures	306	\$ 8,045	<u>(94)</u>
Total (Note 17)				<u>\$(954)</u>

An analysis of the fair value of derivatives that qualify as fair value hedges recognized as an unrealized gain as at December 31, 2021 is as follows:

<u>Commodity</u>	<u>Derivative</u>	<u>Notional amount</u>	<u>Strike price (1)</u>	<u>Fair value</u>
Metal price:				
Lead (tons)	Futures	364	\$ 2,597	\$ 347
Lead (tons)	Futures	4,150	\$ 2,299	(40)
Zinc (tons)	Futures	22,625	\$ 3,655	<u>11,900</u>
Total (Note 10)				<u>\$ 12,207</u>

38. Financial Instruments (continued)

An analysis of the fair value of derivatives that qualify as fair value hedges recognized as an unrealized loss as at December 31, 2021 is as follows:

<u>Commodity</u>	<u>Derivative</u>	<u>Notional amount</u>	<u>Strike price (1)</u>	<u>Fair value</u>
Metal price:				
Gold (ounces)	Futures	-	-	\$ 11
Silver (ounces)	Futures	600,000	\$ 23	(247)
Zinc (tons)	Futures	212,125	\$ 3,310	(13,785)
Total (Note 17)				<u><u>\$ (14,021)</u></u>

Note:

- (1) The prices in the above table reflect the weighted average sale or purchase price of futures and the weighted average strike price of put and call options.

Metal price hedging program

Grupo Peñoles values its transactions based on the international market prices listed on the London Metal Exchange (for base metals) and the London Bullion Market Association (for precious metals).

As a result, the income of Grupo Peñoles may be affected by variances in the above-mentioned market prices and for this purpose, Grupo Peñoles establishes hedge programs based on its budgeted sales using derivative financial instruments, such as “forwards” and “put” and “call” options.

The following analysis shows the gains on Grupo Peñoles’ hedging instruments and the loss attributable to the risk being hedged:

	<u>2022</u>		<u>2021</u>	
	<u>Effect of derivative</u>	<u>Hedged item</u>	<u>Effect of derivative</u>	<u>Hedged item</u>
Gain	<u>\$ 7,777</u>	<u>\$ 10,655</u>	<u>\$(1,810)</u>	<u>\$ 10,390</u>

Derivatives at fair value through profit or loss

An analysis of derivatives at fair value through profit or loss as at December 31, 2022 is as follows:

<u>2022</u>				
<u>Commodity</u>	<u>Derivative</u>	<u>Notional amount (2)</u>	<u>Strike price (1)</u>	<u>Fair value</u>
Interest rate	IRS	300,000,000	0.63	<u><u>\$ 8,959</u></u>

38. Financial Instruments (concludes)

2021				
Commodity	Derivative	Notional amount (2)	Strike price (1)	Fair value
Interest rate	IRS	300,000,000	1.48	<u>\$ 16,017</u>

Corresponds to certain swaps contracted as cash flow hedges covering the variable interest rates of debt that was prepaid in 2021 and that ceased to comply with the conditions for hedge accounting. As a result, the unrealized gains, and losses on valuation of hedges that had been previously recognized in equity were reclassified to profit or loss.

39. Financial Risk Management

The principal financial instruments of Grupo Peñoles comprise financial assets and financial liabilities. Grupo Peñoles' principal financial liabilities, other than derivatives, comprise accounts payable, financial debt and debentures. The main purpose of these financial instruments is to manage short-term cash flows and secure financing for Grupo Peñoles' capital expenditure program. Grupo Peñoles has various financial assets, such as accounts receivable and cash and short-term cash deposits, which arise directly from its operations.

Grupo Peñoles is exposed to the following risks associated with its use of financial instruments:

- a) Market risk, which includes foreign currency risks, commodity price risk (precious metals and base metals), equity instrument pricing and interest rate risks
- b) Credit risks
- c) Liquidity risks

Grupo Peñoles manages its exposure to key financial risks in accordance with Grupo Peñoles' financial risk management policy. The objective of the policy is to support the delivery of Grupo Peñoles' financial targets while protecting future financial security. The main risks that could adversely affect Grupo Peñoles' financial assets, liabilities or future cash flows are market risks.

Grupo Peñoles' senior management oversees the management of financial risks. Grupo Peñoles' management is supported by a financial risk committee that advises on financial risks and the appropriate governance framework for proper financial risk identification, measurement, and management. All derivative activities for risk management purposes are carried out by specialist teams that have the appropriate skills, experience, and supervision. It is Grupo Peñoles' policy that no trading in derivatives for speculative purposes shall be undertaken.

The Board of Directors reviews and agrees on policies for managing each of these risks, which are summarized below.

a) Market risk

Market risk is the risk that the fair value of future cash flows of a financial instrument will fluctuate because of changes in market prices. Market prices comprise three types of risk: metal price risk, interest rate risk and currency risk. Financial instruments affected by market risk include loans and borrowings, deposits, accounts receivable, accounts payable, accrued liabilities, and derivative financial instruments.

39. Financial Risk Management (continued)

The sensitivity analyses have been prepared on the basis that the amount of net debt, the ratio of fixed to floating interest rates on the debt and derivatives and the proportion of financial instruments in foreign currencies are all constant.

The analyses exclude the impact of movements in market variables on the carrying amount of pension and other post-retirement obligations and provisions.

The following assumptions have been made in calculating the sensitivity analyses:

- The consolidated statement of financial position sensitivity relates to derivatives and Mexican peso denominated accounts receivables.
- The sensitivity of the relevant profit before tax item is the effect of the assumed changes in respective market risks. This is based on the financial assets and financial liabilities held as at December 31, 2022 and 2021.
- The impact on equity is the same as the impact on profit before tax.

Commodity price risk

Due to the nature of its business and economic environment, Grupo Peñoles uses hedging derivatives to reduce the variability in its cash flows and operating margins arising from various factors, such as:

Price fluctuations:

- of the metals it produces (silver, gold, zinc, lead, and copper)
- of the supplies and raw materials it consumes and/or processes (mineral concentrates, natural gas, etc.)

The following chart shows the sensitivity of changes in commodity prices, with all other variables held constant, and the impact of these changes on Grupo Peñoles' equity and profit before taxes.

	10%-20% increase December 31, 2022		10%-25% increase December 31, 2021	
	Profit or loss	Equity	Profit or loss	Equity
Financial assets:				
Trade and other accounts receivable	\$ 29,326	\$ -	\$ 26,304	\$ -
Financial liabilities:				
Suppliers and Other Accounts Payable	(17,125)	-	(14,638)	-
Derivative financial instruments	<u>11,899</u>	<u>(15,987)</u>	<u>16,816</u>	<u>(94,300)</u>
	<u>\$ 24,100</u>	<u>\$ (15,987)</u>	<u>\$ 28,482</u>	<u>\$ (94,300)</u>

39. Financial Risk Management (continued)

	10%-15% decrease December 31, 2022		10%-15% decrease December 31, 2021	
	<u>Profit or loss</u>	<u>Equity</u>	<u>Profit or loss</u>	<u>Equity</u>
Financial assets:				
Trade and other accounts receivable	\$(23,283)	\$ -	\$(20,855)	\$ -
Financial liabilities:				
Suppliers and other accounts payable	14,786	-	12,341	-
Derivative financial instruments	<u>(11,853)</u>	<u>8,359</u>	<u>(14,556)</u>	<u>73,009</u>
	<u>\$(20,350)</u>	<u>\$ 8,359</u>	<u>\$(23,070)</u>	<u>\$ 73,009</u>

These changes in commodity prices were estimated based on the volatility in the historical prices of the last two years.

	2022		2021	
	<u>Increase</u>	<u>Decrease</u>	<u>Increase</u>	<u>Decrease</u>
Silver	20%	15%	15%	15%
Gold	10%	10%	10%	10%
Zinc	20%	15%	25%	15%
Lead	15%	15%	15%	15%

Risk of fluctuations in the prices of equity instruments

Grupo Peñoles is exposed to the risk of fluctuations in the prices of equity instruments, represented by shares of companies listed primarily in the Canadian Stock Exchange. Equity investments are classified in the consolidated statement of financial position as financial assets in equity instruments.

The following table demonstrates the sensitivity of financial assets in equity instruments to a reasonably possible change in the market price of equity instruments. The impact on equity corresponds to the recognition of the unrealized gain/(loss) on valuation and on the consolidated statement of profit or loss, as a possible recognition of impairment of the financial instrument.

This sensitivity analysis carried out based on the volatility in the historical prices of the last two years is as follows:

	December 31, 2022		December 31, 2021	
	<u>Profit or loss</u>	<u>Equity</u>	<u>Profit or loss</u>	<u>Equity</u>
10% increase (25% in 2021)	<u>\$ -</u>	<u>\$ 16,422</u>	<u>\$ -</u>	<u>\$ 44,138</u>
25% increase (45% in 2021)	<u>\$ -</u>	<u>\$(41,054)</u>	<u>\$ -</u>	<u>\$(79,449)</u>

Interest rate risk

Grupo Peñoles exposure to the risk of changes in market interest rates relates to Grupo Peñoles financial assets and liabilities with floating interest rates.

39. Financial Risk Management (continued)

As at December 31, 2022 and 2021, Grupo Peñoles has a combination of debt bearing interest at variable rates and floating rates tied to the London Interbank Offered (LIBOR) rate. Grupo Peñoles fixes its floating interest rates using interest rate swaps.

Grupo Peñoles' s risk management policy is focused on providing certainty regarding its future cash flows. As at December 31, 2022 and 2021, Grupo Peñoles has hedge instruments that it has contracted in order to obtain fixed interest rate for its loans that bear variable interest rates. The derivative that Grupo Peñoles has contracted, through which it swaps its floating interest equal to the LIBOR, is designed to fully hedge the interest rate of its current debt under the ECA structure. In this interest rate swap, Grupo Peñoles pays a fixed interest rate and receives the underlying floating rate applied to the current nominal balance of the loan.

The following table shows the sensitivity of the Company's financial assets and liabilities to a reasonably possible change in the interest rates applied on a complete year basis as of the consolidated statement of financial position date, with all other variables held constant

	<u>December 31, 2022</u>		<u>December 31, 2021</u>	
	<u>Profit or loss</u>	<u>Equity</u>	<u>Profit or loss</u>	<u>Equity</u>
25 basis point increase (25 in 2021)	<u>\$ 15,418</u>	<u>\$ 682</u>	<u>\$ 5,777</u>	<u>\$(1,940)</u>
0 basis point decrease (20 in 2021)	<u>\$ 1,003</u>	<u>\$(317)</u>	<u>\$ -</u>	<u>\$ -</u>

Foreign currency risk

Grupo Peñoles manages its foreign currency risk by contracting derivatives.

The main foreign currency to which Grupo Peñoles is exposed (other than the U.S. dollar, which is its functional currency) is the Mexican peso, which is the currency of a significant portion of Grupo Peñoles' operating costs and investments, as well as certain equity investments denominated in other currencies such as the euro, Swedish krona, and pound sterling.

Grupo Peñoles' Board of Directors has appointed a Hedging Committee to establish the strategies and limits for matching receipts in U.S. dollars and costs incurred in Mexican pesos as well as certain equity investments denominated in other currencies such as the euro and Swedish krona, through hedge agreements (derivatives).

As at December 31, 2022, the sensitivity of Grupo Peñoles' financial assets, financial liabilities and cash and cash equivalents denominated in foreign currencies, expressed in the presentation currency, is as follows:

	<u>In Mexican pesos</u>	<u>In other currencies</u>	<u>Total</u>
Financial assets:			
Cash and cash equivalents	\$ 55,302	\$ 237	\$ 55,539
Trade and other accounts receivable	55,654	7,888	63,542
Financial liabilities:			
Suppliers and other accounts payable	<u>(52,467)</u>	<u>(22,317)</u>	<u>(74,784)</u>
	<u>\$ 58,489</u>	<u>\$(14,192)</u>	<u>\$ 44,297</u>

39. Financial Risk Management (continued)

As at December 31, 2021, the sensitivity of Grupo Peñoles' financial assets, financial liabilities and cash and cash equivalents denominated in foreign currencies, expressed in the presentation currency, is as follows:

	<u>In Mexican pesos</u>	<u>In other currencies</u>	<u>Total</u>
Financial assets:			
Cash and cash equivalents	\$ 22,369	\$ 181	\$ 22,550
Trade and other accounts receivable	39,213	1,570	40,783
Financial liabilities:			
Suppliers and other accounts payable	<u>(58,530)</u>	<u>(23,512)</u>	<u>(82,042)</u>
	<u>\$ 3,052</u>	<u>\$ (21,761)</u>	<u>\$ (18,709)</u>

The following table demonstrates the sensitivity of Grupo Peñoles' financial assets and liabilities to a reasonably possible change in the Mexican peso / U.S. dollar exchange rate and the effect on Grupo Peñoles' profit before taxes, based on the foreign currency risk exposure maintained as at December 31, 2022 and 2021 and Grupo Peñoles' derivatives whose underlying are the peso-to-dollar exchange rate (assuming that all other variables are held constant):

	<u>December 31, 2022</u>		<u>December 31, 2021</u>	
	<u>Profit or loss</u>	<u>Equity</u>	<u>Profit or loss</u>	<u>Equity</u>
5% increase – Mexican peso (10% in 2021)	<u>\$ 3,078</u>	<u>\$ -</u>	<u>\$ 339</u>	<u>\$ -</u>
5% decrease – Mexican peso (5% in 2021)	<u>\$ (2,785)</u>	<u>\$ -</u>	<u>\$ (145)</u>	<u>\$ -</u>

Grupo Peñoles is exposed to the risk of fluctuations in the exchange rates of the euro and Swedish krona to the U.S. dollar, since a portion of its fixed asset acquisitions are made in these currencies. The following table shows the sensitivity of the financial assets and liabilities to potential fluctuations in the exchange rates of euro and Swedish krona and the U.S. dollar, expressed in the presentation currency:

	<u>December 31, 2022</u>		<u>December 31, 2021</u>	
	<u>Profit or loss</u>	<u>Equity</u>	<u>Profit or loss</u>	<u>Equity</u>
5% increase – euro (5% in 2021)	<u>\$ (704)</u>	<u>\$ 1,049</u>	<u>\$ (1,140)</u>	<u>\$ 1,707</u>
5% decrease – euro (5% in 2021)	<u>\$ 704</u>	<u>\$ (1,042)</u>	<u>\$ 1,140</u>	<u>\$ (2,058)</u>

	<u>December 31, 2022</u>		<u>December 31, 2021</u>	
	<u>Profit or loss</u>	<u>Equity</u>	<u>Profit or loss</u>	<u>Equity</u>
10% increase – Swedish Krona (10% in 2021)	<u>\$ (4)</u>	<u>\$ -</u>	<u>\$ (4)</u>	<u>\$ (46)</u>
5% decrease – Swedish Krona (5% in 2021)	<u>\$ 2</u>	<u>\$ -</u>	<u>\$ 2</u>	<u>\$ 31</u>

39. Financial Risk Management (continued)*b) Liquidity risk*

Liquidity risk is the risk of not being able to meet its financial liabilities and obligations when they come due.

Grupo Peñoles has established a treasury policy to manage its liquidity risk, which primarily includes maintaining a balance between short-, medium- and long-term funds, borrowing facilities available and access to other financing. Grupo Peñoles conducts on-going debt maturity profile analyses of its financial assets and liabilities and constantly monitors its projected cash flows.

An analysis of the borrowing facilities available as at December 31, 2022 and 2021 is as follows:

	2022			2021		
	Credit limit	Credit used	Unused credit	Credit limit	Credit used	Unused credit
Aa3	\$ 80,000	\$ -	\$ 80,000	\$ 80,000	\$ -	\$ 80,000
Aaa	250,000	50,000	200,000	75,000	25,000	50,000
Baa1	<u>374,000</u>	<u>-</u>	<u>374,000</u>	<u>609,500</u>	<u>45,000</u>	<u>564,500</u>
Total	<u>\$ 704,500</u>	<u>\$ 50,000</u>	<u>\$ 654,500</u>	<u>\$ 764,500</u>	<u>70,000</u>	<u>\$ 694,500</u>

Grupo Peñoles has available lines of credit that are rolled over annually and bear no fees to maintain them.

The table below summarizes the maturity profile of Grupo Peñoles' financial liabilities based on contractual undiscounted payments.

As at December 31, 2022:

	Amount	Maturities			
		1 year	2 years	3 years	Thereafter
Non-derivative financial instruments:					
Financial debt	\$ 5,198,377	\$ 471,863	\$ 135,108	\$ 134,598	\$ 4,456,808
Suppliers and other accounts payable	427,311	427,311	-	-	-
Lease liabilities	168,381	20,949	16,579	13,960	116,893
Other financial liabilities:					
Hedging instruments	56,173	54,399	1,774	-	-
Non-controlling interest loans	<u>104,963</u>	<u>9,110</u>	<u>95,853</u>	<u>-</u>	<u>-</u>
	<u>\$ 5,955,205</u>	<u>\$ 983,632</u>	<u>\$ 249,314</u>	<u>\$ 148,558</u>	<u>\$ 4,573,701</u>

39. Financial Risk Management (continued)

As at December 31, 2021:

	<u>Amount</u>	<u>Maturities</u>			<u>Thereafter</u>
		<u>1 year</u>	<u>2 years</u>	<u>3 years</u>	
Non-derivative financial instruments:					
Financial debt	\$ 5,347,435	\$ 152,615	\$ 470,385	\$ 134,016	\$ 4,590,419
Suppliers and other accounts payables	489,533	489,533	-	-	-
Lease liabilities	170,163	22,282	16,752	13,113	118,016
Other financial liabilities:					
Hedging instruments	<u>122,715</u>	<u>107,030</u>	<u>15,685</u>	<u>-</u>	<u>-</u>
	<u>\$ 6,129,846</u>	<u>\$ 771,460</u>	<u>\$ 502,822</u>	<u>\$ 147,129</u>	<u>\$ 4,708,435</u>

c) Credit risk

Grupo Peñoles' credit risk arises as part of its ordinary course of business. There is credit risk in all Grupo Peñoles' financial assets, which include cash and cash equivalents, trade accounts receivable and other accounts receivable, as well as financial assets in equity instruments and the acquired rights over derivative financial instruments.

Grupo Peñoles only carries out transactions with well-known and solvent financial counterparties. It is Grupo Peñoles' policy that all customers who wish to trade on credit terms will be subject to credit verification procedures, which include an assessment of credit rating, short-term liquidity, and financial position.

Grupo Peñoles obtains collateral as security from its customers to mitigate the risk of financial losses due to default. In addition, receivables balances are monitored on an ongoing basis with the result that Grupo Peñoles' exposure to expected losses is not significant.

Regarding the credit risk related to other financial assets, primarily cash and investments and derivative assets Grupo Peñoles' exposure relates to potential counterparty default. Grupo Peñoles' maximum exposure is equal to the book value of these instruments, securities, or transactions. Grupo Peñoles limits its counterparty credit risk on these assets by dealing only with financial institutions with strong credit ratings.

The expected credit loss for trade receivables balances is determined considering the probability of default of payment for each client where a risk rating is assigned derived from the financial and commercial analysis of the entity. A bad debt factor by business unit is applied to the result, calculated with the behavior of the portfolio during the last 18 months. Additionally, factors such as the existence of collateral and bad debt (clients who have had a default in payment) are incorporated, which factors into expected credit loss.

39. Financial Risk Management (continued)*Cash and cash equivalents and short-term investments*

An analysis of the credit ratings of financial institutions with which Grupo Peñoles maintains cash and cash equivalents is as follows:

Cash and cash equivalents

	<u>2022</u>	<u>2021</u>
A-2	\$ 1,019	\$ 520,876
A-1	492,170	625,685
F1	50,461	609,830
BBB	67,005	60,703
P1	853,209	-
P2	5,054	-
	<u>\$ 1,468,918</u>	<u>\$ 1,817,094</u>

Trade and other accounts receivable

An analysis of trade receivables aging is as follows:

As at December 31, 2022:

	Not yet payable	Not impaired			Impairment
		From 1 to 30 days	From 31 a 60 days	More than 60 days	
Trade receivables	\$ 239,706	\$ 6,731	\$ 4,725	\$ 13,802	\$ 1,880
Related parties	14,939	-	-	-	-
Other accounts receivable	<u>36,665</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,053</u>
	<u>\$ 291,310</u>	<u>\$ 6,731</u>	<u>\$ 4,725</u>	<u>\$ 13,802</u>	
Impairment	<u>\$ -</u>	<u>\$ 511</u>	<u>\$ -</u>	<u>\$ 2,422</u>	<u>\$ 2,933</u>

As at December 31, 2021:

	Not yet payable	Not impaired			Impairment
		From 1 to 30 days	From 31 a 60 days	More than 60 days	
Trade receivables	\$ 172,353	\$ 1,071	\$ 3,254	\$ 24,442	\$ 2,034
Related parties	29,739	-	-	-	-
Other accounts receivable	<u>43,181</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,918</u>
	<u>\$ 245,273</u>	<u>\$ 1,071</u>	<u>\$ 3,254</u>	<u>\$ 24,442</u>	
Impairment	<u>\$ 740</u>	<u>\$ 721</u>	<u>\$ -</u>	<u>\$ 2,491</u>	<u>\$ 3,952</u>

39. Financial Risk Management (concludes)*Other Financial Assets*

The credit risk of other financial assets consists primarily of loans extended to contractors to finance acquisitions of machinery to allow the contractors to maintain the level of service they provide at the mining units. Company policy is to keep the acquired machinery as collateral, which is stored in the facilities of Grupo Peñoles. Also, Grupo Peñoles' policy is to partially credit its payments due for services received against the financing balance.

Capital management

Grupo Peñoles manages its capital structure in a way that ensures its survival as a going concern, maintains investor confidence and the confidence of the financial markets, and sustains the future development of its medium- and long-term projects in order to maximize shareholder return.

To ensure that it maintains a strong credit rating and healthy capital ratios, Grupo Peñoles aims to maintain a capital structure with an adequate debt to capital ratio. Management believes that such optimum capital structure is reflected in the equity shown in the consolidated statement of financial position, excluding non-controlling interests.

Grupo Peñoles has no capital requirements or restrictions that might affect its capital management capacity. Grupo Peñoles has met its legal obligation to create a legal reserve equal to 20% of the value of its share capital. The legal reserve as at December 31, 2022 and 2021 is \$52,304 (equal to Ps. 683,026).

40. Assets Held for Sale

In December 2022, Grupo Peñoles received a binding offer for the sale of property, plant and equipment related to the Madero unit. In February 24, 2023 the master contract for assets was signed for an amount of \$47,000 subject to certain conditions; the related assets and liabilities are recognized separately as part of the assets and liabilities held for sale caption. The carrying amount of these assets and liabilities add up to \$21,362 and \$35,609.

As at December 31, 2022, the Madero unit assets were classified as a disposal group held for sale within the base metal mines segment and represented 1.05% of the total assets recognized in the segment and 0.01% of the total revenue recognized in the segment. The revenue and expense of this unit is \$710 and \$6,790 respectively, due to the non-significant amount such items are not presented separately in the statement of comprehensive income.

An analysis of the principal class of assets and liabilities of the Madero unit classified as held for sale as at December 31, 2022, is as follows:

	<u>2022</u>
ASSETS	
Property, plant, and equipment	<u>\$ 21,362</u>
LIABILITIES	
Provisions	<u>\$ 35,609</u>



Disclaimer

This Annual Report contains certain forward-looking information relating to Industrias Peñoles, S.A.B. de C.V. and its subsidiaries (Peñoles or the Company) that is based on assumptions made by its management. Such information, as well as the statements with respect to future events and expectations are subject to certain risks, uncertainties and factors that could cause the actual results, performance or achievements of the Company to be materially different at any time. Such factors include changes in general economic, governmental policy and/or business conditions nationally and globally, as well as changes in interest rates, inflation rates, exchange rates, mining performance in general, metal demand and quotations, and raw material and fuel prices, among others. Due to these risks and factors, actual results may vary materially from the estimates described herein, for which reason Peñoles does not assume any obligation with respect to such variations or to information provided by official sources.

