



PAN AMERICAN
— SILVER —

THE WORLD'S PREMIER SILVER MINING COMPANY

NYSE | TSX
PAAS

PRESENTATION // NOVEMBER 2024

CAUTIONARY NOTE

Non-GAAP Measures

This presentation of Pan American Silver Corp. and its subsidiaries (collectively, “Pan American”, “Pan American Silver”, the “Company”, “we” or “our”) refers to various non-GAAP measures, such as “AISC”, “cash costs per ounce sold”, “adjusted earnings” and “basic adjusted earnings per share”, “total debt”, “capital”, “free cash flow” and “working capital”. These measures do not have any standardized meaning prescribed by IFRS and are therefore unlikely to be comparable to similar measures presented by other companies. Silver Segment Cash Costs and AISC are calculated net of credits for realized revenues from all metals other than silver (“silver segment by-product credits”), and are calculated per ounce of silver sold. Gold Segment Cash Costs and AISC are calculated net of credits for realized revenues from all metals other than gold (“gold segment by-product credits”), and are calculated per ounce of gold sold.

Readers should refer to the “Alternative Performance (Non-GAAP) Measures” section of the Company’s Management’s Discussion and Analysis (“MD&A”) for the period ended September 30, 2024, available at www.sedarplus.ca.

Reporting Currency and Financial Information

Unless we have specified otherwise, all references to dollar amounts or \$ are to United States dollars.

Cautionary Note Regarding Forward Looking Statements and Information

Certain of the statements and information in this presentation constitute “forward-looking statements” within the meaning of the United States Private Securities Litigation Reform Act of 1995 and “forward-looking information” within the meaning of applicable Canadian provincial securities laws. All statements, other than statements of historical fact, are forward-looking statements or information. Forward-looking statements or information in this presentation relate to, among other things: future financial or operational performance, including our estimated production of silver, gold and other metals forecasted for 2024, our estimated Cash Costs and AISC, and our sustaining and project capital expenditures in 2024; the expected completion of certain capital projects and any anticipated benefits therefrom; expectations regarding the ILO 169 consultation process with respect to

Escobal; future anticipated prices for gold, silver and other metals and assumed foreign exchange rates; the expected sale of the La Arena gold mine and La Arena II copper/gold development project; strategic priorities; expectations regarding future supply and demand for silver; the anticipated completion of an optimization study at Jacobina, the timing for its completion, and any anticipated benefits therefrom; statements regarding expected dividend payments and shareholder returns; and Pan American’s plans and expectations for its properties and operations.

These forward-looking statements and information reflect Pan American’s current views with respect to future events and are necessarily based upon a number of assumptions that, while considered reasonable by Pan American, are inherently subject to significant operational, business, economic and regulatory uncertainties and contingencies. These assumptions include: the impact of inflation and disruptions to the global, regional and local supply chains; tonnage of ore to be mined and processed; future anticipated prices for gold, silver and other metals and assumed foreign exchange rates; the timing and impact of planned capital expenditure projects, including anticipated sustaining, project, and exploration expenditures; the ability to complete the sale of La Arena; the ongoing impact and timing of the court-mandated ILO 169 consultation process in Guatemala; ore grades and recoveries; capital, decommissioning and reclamation estimates; our mineral reserve and mineral resource estimates and the assumptions upon which they are based; prices for energy inputs, labour, materials, supplies and services (including transportation); no labour-related disruptions at any of our operations; no unplanned delays or interruptions in scheduled production; all necessary permits, licenses and regulatory approvals for our operations are received in a timely manner; our ability to secure and maintain title and ownership to mineral properties and the surface rights necessary for our operations; whether Pan American is able to maintain a strong financial condition and have sufficient capital, or have access to capital through our corporate sustainability-linked credit facility or otherwise, to sustain our business and operations; and our ability to comply with environmental, health and safety laws. The foregoing list of assumptions is not exhaustive.

Pan American cautions the reader that forward-looking statements and information involve known and unknown risks, uncertainties and other factors that may cause actual results and developments to differ materially from those expressed or implied by such forward-looking statements or information contained in this presentation and Pan American has made assumptions and estimates based on or related to many of these factors. Such factors include, without limitation: the duration and effect of local and world-wide inflationary pressures and the potential for economic recessions; fluctuations in silver, gold and base metal prices; fluctuations in prices for energy inputs, labour, materials, supplies and services (including transportation); fluctuations in currency markets; operational risks and

hazards inherent with the business of mining (including environmental accidents and hazards, industrial accidents, equipment breakdown, unusual or unexpected geological or structural formations, cave-ins, flooding and severe weather); risks relating to the credit worthiness or financial condition of suppliers, refiners and other parties with whom Pan American does business; inadequate insurance, or inability to obtain insurance, to cover these risks and hazards; employee relations; relationships with, and claims by, local communities and indigenous populations; our ability to obtain all necessary permits, licenses and regulatory approvals in a timely manner; changes in laws, regulations and government practices in the jurisdictions where we operate, including environmental, export and import laws and regulations; changes in national and local government, legislation, taxation, controls or regulations and political, legal or economic developments in Canada, the United States, Mexico, Peru, Argentina, Bolivia, Guatemala, Chile, Brazil or other countries where Pan American may carry on business, including legal restrictions relating to mining, risks relating to expropriation and risks relating to the constitutional court-mandated ILO 169 consultation process in Guatemala; unanticipated or excessive tax assessments or reassessments in our operating jurisdictions; diminishing quantities or grades of mineral reserves as properties are mined; increased competition in the mining industry for equipment and qualified personnel; those factors identified under the caption “Risks Related to Pan American’s Business” in Pan American’s most recent Form 40-F and Annual Information Form filed with the United States Securities and Exchange Commission (“SEC”) and Canadian provincial securities regulatory authorities, respectively. Although Pan American has attempted to identify important factors that could cause actual results to differ materially, there may be other factors that cause results not to be as anticipated, estimated, described or intended. Investors are cautioned against undue reliance on forward-looking statements or information. Forward-looking statements and information are designed to help readers understand management’s current views of our near- and longer-term prospects and may not be appropriate for other purposes. Pan American does not intend, nor does it assume any obligation to update or revise forward-looking statements or information, whether as a result of new information, changes in assumptions, future events or otherwise, except to the extent required by applicable law.

C O N T I N U E D O N N E X T P A G E

C O N T I N U E D

NOT AN OFFER OR A SOLICITATION

THIS PRESENTATION DOES NOT CONSTITUTE (AND MAY NOT BE CONSTRUED TO BE) A SOLICITATION OR OFFER BY PAN AMERICAN OR ANY OF OUR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, REPRESENTATIVES OR AGENTS TO BUY OR SELL ANY SECURITIES OF ANY PERSON IN ANY JURISDICTION, OR A SOLICITATION OF A PROXY OF ANY SECURITYHOLDER OF ANY PERSON IN ANY JURISDICTION, IN EACH CASE, WITHIN THE MEANING OF APPLICABLE LAWS.

Technical Information

Scientific and technical information contained in this presentation has been reviewed and approved by Christopher Emerson, FAusIMM., Vice President of Exploration and Geology, and Martin Wafforn, P.Eng., Senior Vice President Technical Services and Process Optimization, who are each Qualified Persons for the purposes of National Instrument 43-101 - Standards of Disclosure for Mineral Projects ("NI 43-101").

For additional information regarding Pan American Silver's material mineral properties, please refer to Pan American Silver's Annual Information Form dated March 26, 2024, filed at www.sedarplus.ca, or Pan American Silver's most recent Form 40-F filed with the SEC.

Cautionary Note to U.S. Investors Concerning Estimates of Mineral Reserves and Resources

Unless otherwise indicated, all reserve and resource estimates included in this presentation have been prepared in accordance with Canadian NI 43-101 and the Canadian Institute of Mining, Metallurgy and Petroleum (the "CIM") — CIM Definition Standards on Mineral Resources and Mineral Reserves, adopted by the CIM Council, as amended (the "CIM Standards"). NI 43-101 is a rule developed by the Canadian Securities Administrators that establishes standards for all public disclosure an issuer makes of scientific and technical information concerning mineral projects. Canadian standards, including NI 43-101, differ significantly from the requirements of the SEC, and reserve and resource information included herein may not be comparable to similar information disclosed by U.S. companies. In particular, and without limiting the generality of the foregoing, this presentation uses the terms "measured resources," "indicated resources" and "inferred resources" as defined in accordance with NI 43-101 and the CIM Standards. U.S. investors are advised that, while such terms are recognized and required by Canadian securities laws, the SEC does not recognize them. The requirements of NI 43-101 for identification of "reserves" are not the same as those of the SEC and may not qualify as "reserves" under SEC standards. Under U.S. standards, mineralization may not be classified as a "reserve" unless the determination has been made that the mineralization could be economically and legally produced or extracted at the time the reserve determination is made. U.S. investors are cautioned not to assume that any part of an "indicated resource" will ever be converted into a "reserve". U.S. investors should also understand that "inferred mineral resources" have a great

amount of uncertainty as to their existence and great uncertainty as to their economic and legal feasibility. It cannot be assumed that all or any part of "inferred resources" exist, are economically or legally mineable or will ever be upgraded to a higher category. Under Canadian securities laws, estimated "inferred mineral resources" may not form the basis of feasibility or pre-feasibility studies except in rare cases.



DIVERSIFIED ASSETS + GROWTH CATALYSTS

// Pan American's portfolio offers scale & quality in the Americas, where we have been operating for 30 years

- 11 producing silver and gold mines¹
- **Jacobina upside** via mine optimization
- **2 catalysts** with potential for material silver growth: La Colorada Skarn & Escobal
- Optionality for silver growth: Navidad
- Large silver & gold mineral **reserves**: 468 Moz Ag and 6.9 Moz Au²



Revenue by Jurisdiction¹

(For the period ended September 30, 2024)



1. Pan American has entered into an agreement to sell its interest in La Arena S.A., which owns the La Arena gold mine and the La Arena II copper-gold project; see the news releases dated May 1, 2024 and November 5, 2024 for further details. Figures may not sum to 100% due to rounding.
2. Pan American estimated mineral reserves and mineral resources reported as of September 30, 2024. See slides 47 - 53 for more detailed information on the Company's reserves and resources.

Q3 2024 TAKEAWAYS

// Record Financial Results

✓ **Record cash flow** from operations¹ of \$235.8M and **record free cash flow**² of \$151.5M

✓ **Adjusted earnings** of \$115.1M, or \$0.32 per share²

✓ **Strong financial position** with \$1.2B in Total Available Liquidity²

✓ Declared \$0.10 per share **dividend**

✓ **Maintaining 2024 Operating Outlook**³

✓ **Production** of 5.5 million ounces silver and 225 thousand ounces gold

✓ Silver Segment **Cash Costs** of \$15.88 per ounce and Gold Segment Cash Costs of \$1,195 per ounce²

✓ Completed **La Colorada** ventilation infrastructure – silver production up 59% and cash costs down 26% vs. Q2 2024

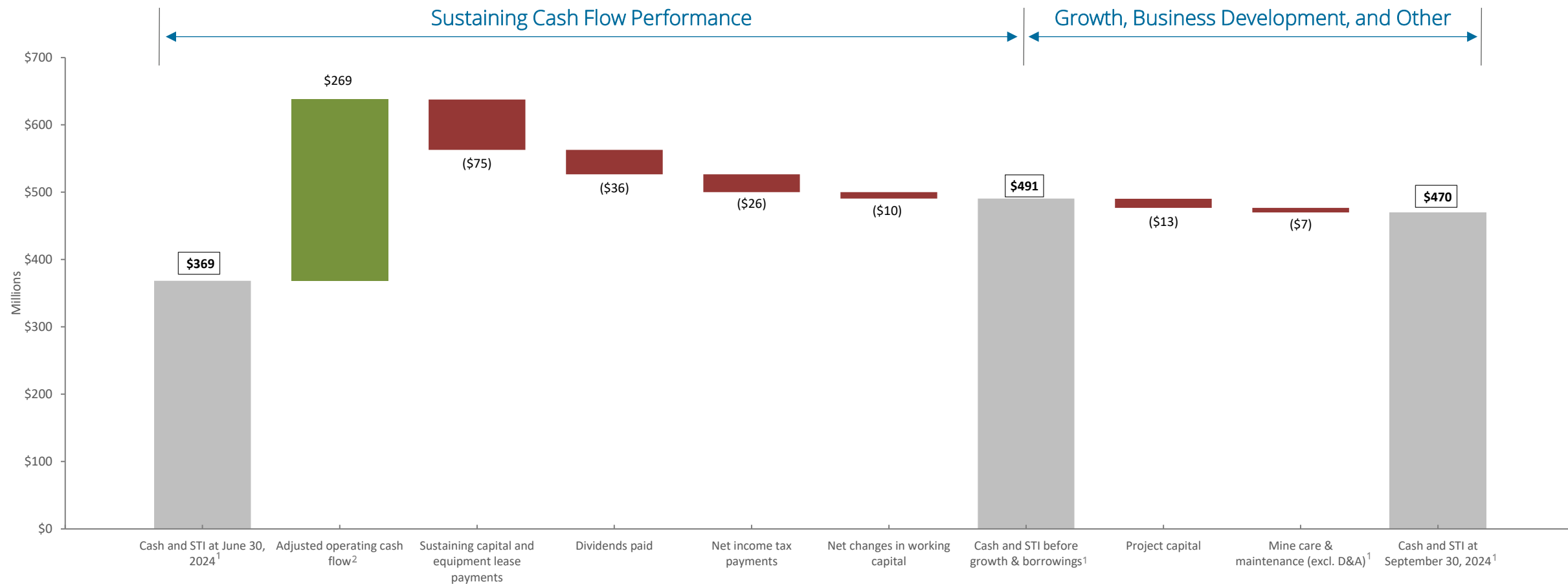
1. Cash flow from operations before non-cash working capital changes and net of cash taxes paid.

2. Free cash flow, adjusted earnings, basic adjusted earnings per share, total available liquidity and Cash Costs are non-GAAP financial measures. Please refer to the section “Alternative Performance (Non-GAAP) Measures” of the Management’s Discussion & Analysis (“MD&A”) for the period ended September 30, 2024, for a detailed description of these measures and where appropriate a reconciliation of the measure to the Q3 2024 Financial Statements. Free cash flow is calculated as net cash generated from operating activities less sustaining capital expenditures. Total available liquidity is calculated as cash and cash equivalents plus short-term investments, plus undrawn amounts under the SL-Credit Facility.

3. 2024 Guidance as provided in the Company’s MD&A for the period ended December 31, 2023. See slide 28 for further detail on the Company’s operating outlook.

4. Pan American estimated mineral reserves and mineral resources reported as of June 30, 2024. See slides 47 – 53 for more detailed information on the Company’s reserves and resources.

Q3 2024 CONSOLIDATED CASH FLOWS



1. "STI" means short-term investments, and "D&A" means depreciation and amortization.

2. "Adjusted operating cash flow" is a non-GAAP financial measure calculated as: net cash generated from operating activities before changes in working capital, income taxes paid, transaction costs and mine care and maintenance.



STRONG FINANCIAL POSITION¹

// An investment grade name

- ✓ Cash + short-term investments of \$470M
- ✓ Total debt² of \$815M primarily related to senior notes:
\$283M with 4.625% coupon maturing in December 2027
\$500M with 2.63% coupon maturing in August 2031
- ✓ Sustainability-Linked Revolving Credit Facility
aligns Pan American's ESG performance to its cost of capital

1. As at September 30, 2024.
 2. Total debt is a non-GAAP measure calculated as the total current and non-current portions of: debt, including senior notes and amounts drawn on the Sustainability Linked-Credit Facility, and lease obligations.
 3. Total Available Liquidity is a non-GAAP measure calculated as cash and cash equivalents plus short-term investments, plus undrawn amounts under the Sustainability Linked-Credit Facility. See the "Non-GAAP Measures" section of our Cautionary Note on slides 2 and 3 of this presentation.

CAPITAL ALLOCATION APPROACH

// Pan American adheres to the following priorities for deployment of free cash flow

1 Maintain balance sheet flexibility, with low debt

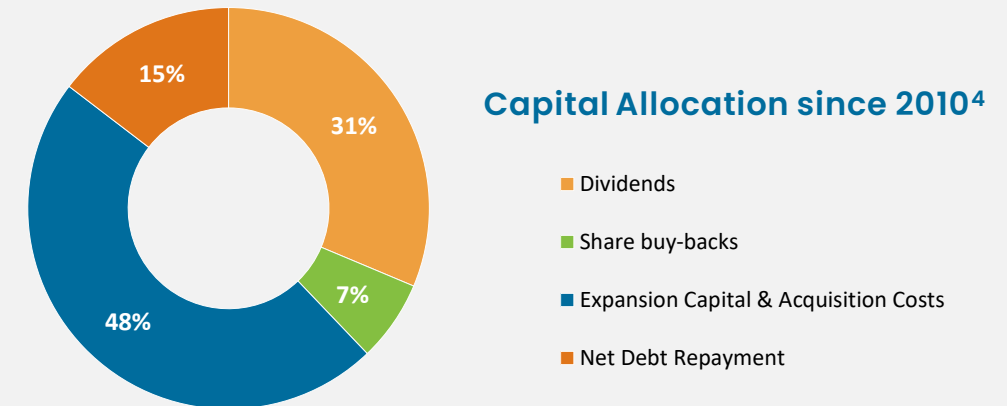
- Long-term Total Gross Leverage¹ target of below 1.0x
- Company has demonstrated a disciplined approach to returning below this target, reducing debt following the acquisitions Tahoe Resources Ltd. And Yamana Gold Inc. (“Yamana”).

2 Invest in high-return projects

- Undertake projects to optimize mining operations and provide future growth
- Company funds capital expenditures through internal cash flows and has not had a public equity offering since 2009

3 Return to shareholders: dividends and share buybacks

- Pan American has a dividend framework that pays a quarterly base cash dividend of \$0.10/share with a defined variable dividend linked to net cash²
- Pan American introduced a share buyback in March 2024, with a discretionary approach to repurchasing shares³



Returned \$965M to shareholders⁵ since 2010 while investing in projects & maintaining a strong balance sheet

1. Gross Leverage is a non-GAAP measure calculated as Gross Debt divided by Adjusted EBITDA. See the “Non-GAAP Measures” section of our Cautionary Note on slides 2 and 3 of this presentation.
2. Net cash is calculated as cash and cash equivalents plus short-term investments, other than equity securities, less total debt. See the “Non-GAAP Measures” section of our Cautionary Note on slides 2 and 3 of this presentation.
3. Please refer to the news release dated March 4, 2024 for details.
4. Capital allocation includes cash allocated to dividends, share buybacks, expansion capital and cash acquisition costs and net debt repayments. Figures may not sum to 100% due to rounding.
5. Return to shareholders is comprised of dividends and share buybacks for the period January 1, 2010 to November 29, 2024, including dividend declared on November 5, 2024.

STRONG TRACK RECORD OF ACCRETIVE ACQUISITIONS

// Successful integration of new operating assets and realization of synergies



February 22, 2019

404 koz

2018A Gold Production

~20 Moz

Silver Production Optionality¹

\$1.1B

Total Consideration²

\$25–30M

Annual Synergies³



Shahuindo
La Arena
Timmins & Bell Creek
Escobal

YAMANAGOLD

March 31, 2023

565 koz

2022A Gold Production⁴

9.2 Moz

2022A Silver Production⁴

\$2.8B

Total Consideration⁵

~\$60M

Annual Synergies⁶



Jacobina
El Peñon
Minera Florida
Cerro Moro

1. Based on silver production from Escobal prior to the mine being placed on care and maintenance since 2017.
2. Comprised of \$275M cash, 56M shares, and ~314M contingent value rights.
3. Annual G&A synergies as indicated in Pan American's 2019 Annual Report.
4. Yamana production figures exclude production at Canadian Malartic, which was purchased by Agnico Eagle. Gold figures stated in Gold Equivalent Ounces at Jacobina and Minera Florida.
5. Figure excludes consideration paid by Agnico Eagle. Total consideration of \$4.8B comprised of \$1.0B cash, 36.2M Agnico Eagle shares, and 153.8M Pan American shares.
6. Figures represent annual G&A synergies based on forecast G&A expense as per 2024 Operating Outlook as stated in our MD&A for the period ended December 31, 2023, compared to the three-year average of Yamana's G&A expense from 2020 to 2022 adjusted to assume a 5% inflation rate. Figures exclude additional ~\$90M in annual cash savings following dispositions and debt repayment (primarily from the reduction of care & maintenance, reclamation accretion and interest expense).

PORTFOLIO OPTIMIZATION

// Cash proceeds totaling \$988.4M, plus 4 NSR royalties¹

- ✓ Entered into agreement to sell **La Arena** gold mine and **La Arena II** copper/gold development project for \$245M in cash upfront, a \$50M contingent payment, and a 1.5% gold NSR royalty¹
- ✓ Sold 56.25% stake in the **MARA** project for \$475M in cash and a 0.75% copper NSR royalty
- ✓ Sold the 92.3% interest in the **Morococha** mine that was on care & maintenance for \$25M in cash
- ✓ Sold the 57.74% interest in the **Agua de la Falda** development stage project for \$45.55M in cash, plus a 1.25% precious metals NSR royalty and a 0.2% base metals NSR royalty from certain mineral concessions, pro rata based on interests sold
- ✓ Sold **non-controlling equity interests** for \$47.1M in cash proceeds
- ✓ Sold remaining interest in **Maverix Metals (MMX)**. In total, Pan American realized \$150.7M for its interest in MMX since the royalty company was formed in 2016

1. Figures include proceeds from the La Arena transaction, which is pending completion; please refer to the news releases dated May 1, 2024 and November 5, 2024 for details.



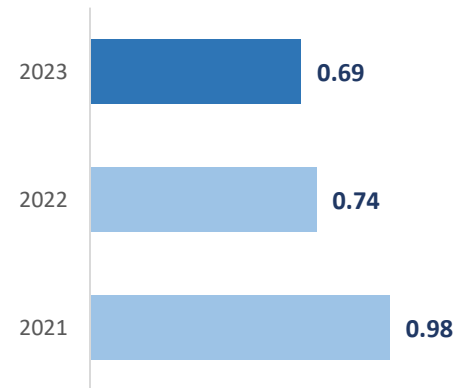
La Arena Gold Mine, Peru

SAFETY IS ALWAYS OUR NUMBER ONE PRIORITY

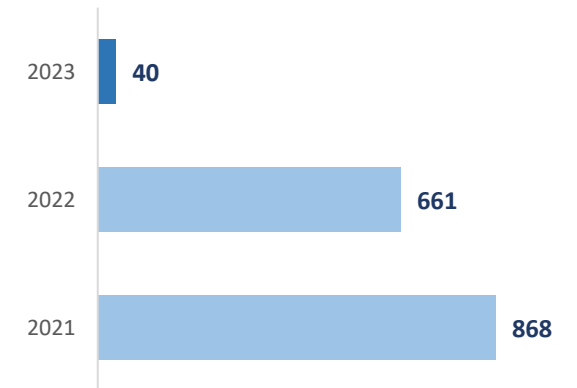
// Programs & Initiatives

- Implementation of the “Doing Safety Differently” initiative which focuses on leading indicators to mitigate serious safety incidents
- High Potential Incidents (HPIs) tracking and reporting
- Critical Risk Management Program
- Behaviour-based safety programs
- Implementation of TSM Safety and Health protocols at all our operations
- Health and safety audit program

Lost Time Injury Frequency (LTIF)⁽¹⁾



Lost Time Injury Severity (LTIS)⁽²⁾



1. LTIF is calculated as the number of lost time injuries, including fatalities, in the exposure period multiplied by one million hours and divided by the total number of hours worked in that period
 2. LTIS is calculated as the number of workdays lost due to lost time injuries multiplied by one million and divided by the total exposure hours. We count 6,000 lost workdays in the event of a fatal accident

NEW LA COLORADA VENTILATION INFRASTRUCTURE

// Significant improvement in mine ventilation conditions following on-schedule completion of new infrastructure in July 2024



Two 2,000 horsepower ventilation fans installed at the surface of the Guadalupe shaft – a 5.5 metre by 580 metre deep, fully concrete-lined ventilation shaft

[Click here](#) to see a flyover of the completed ventilation infrastructure.

Q3 2024 Highlights

- 59% increase in silver production vs. Q2 2024
- 26% decrease in cash costs vs. Q2 2024
- On-pace to reach 2,000 tpd by year end

ZACATECAS, MEXICO

La Colorada
Skarn

LA COLORADA SKARN

// Exploring long-term partnerships to develop the project

Preliminary Economic Assessment¹ Highlights

- Production averaging 17.2 Moz of silver, 427 kt of zinc and 218 kt of lead annually during the first 10 years
- 50,000 tpd sub-level cave mine and conventional flotation plant
- 17-year mine life and continued exploration upside
- After-tax NPV_{8%} of \$1,087M, 14% after-tax internal rate of return, and payback period of 4.3 years estimated using long-term prices of \$22/oz of silver, \$2,800/tonne of zinc, and \$2,200/tonne of lead
- Estimated initial capital cost \$2,829M

Updated Mineral Resource Estimate²

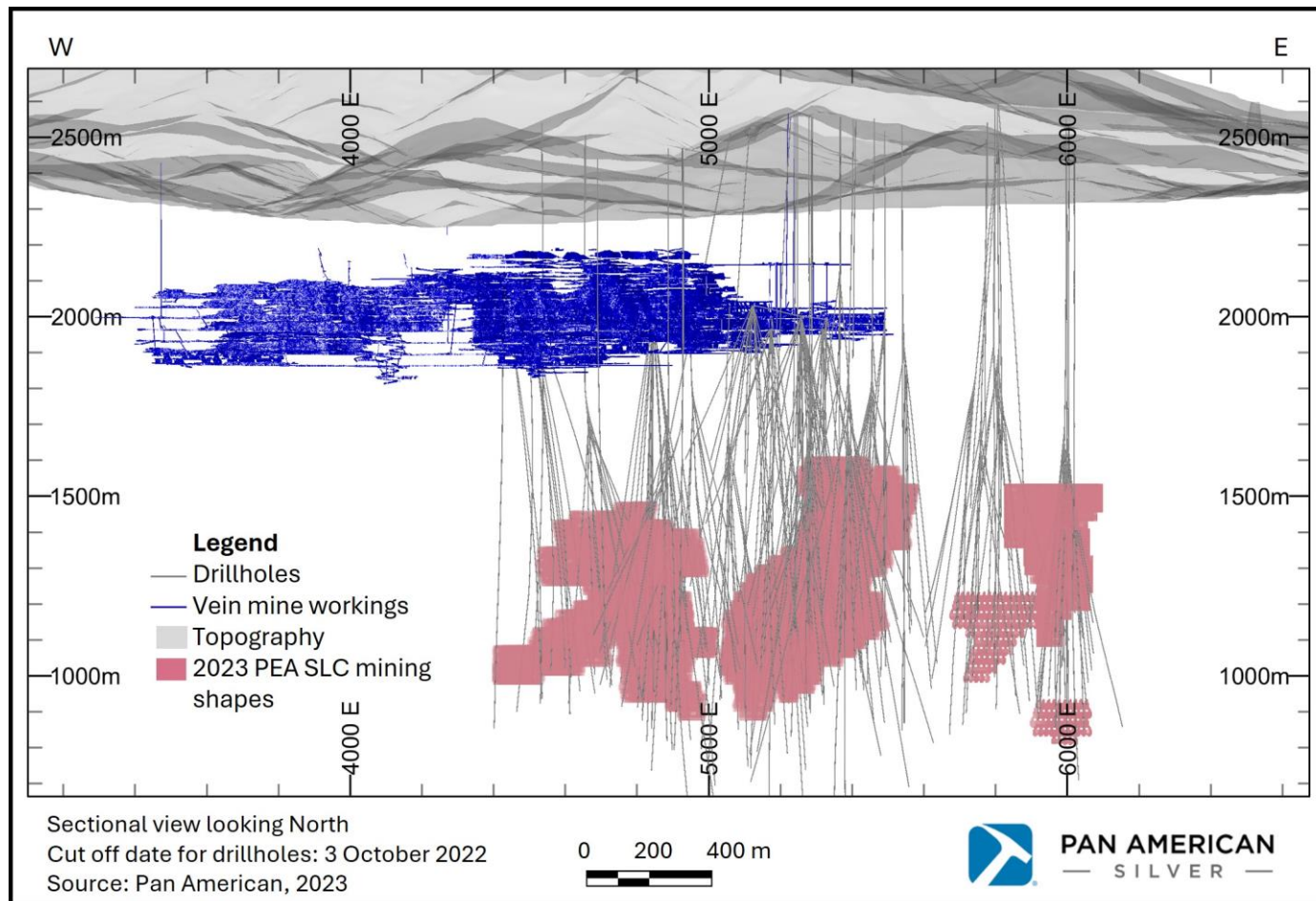
	Tonnes (Mt)	Grade			Contained Metal		
		Ag (g/t)	Zn (%)	Pb (%)	Ag (Moz)	Zn (kt)	Pb (kt)
Indicated	265.4	36	2.85	1.37	309	7,554	3,649
Inferred	61.7	30	2.55	0.95	59	1,573	585

1. For details on the La Colorada Skarn project Preliminary Economic Assessment ("PEA"), please refer to the NI 43-101 Technical Report dated January 31, 2024, as amended, and to the slide entitled "La Colorada Skarn PEA results summary".
2. Pan American Mineral Reserves and Mineral Resources are as at June 30, 2024, and are updates to the model used for the PEA of the La Colorada Skarn project. Please refer to slides 47 - 53 of this presentation for detail of our Mineral Reserves and Resources.



LA COLORADA SKARN VIEWS ¹

// Mineralization is concentrated in 3 zones, covering an area of 1,500 metres by 1,100 metres, and a depth of 800 metres to 1,900 metres below surface

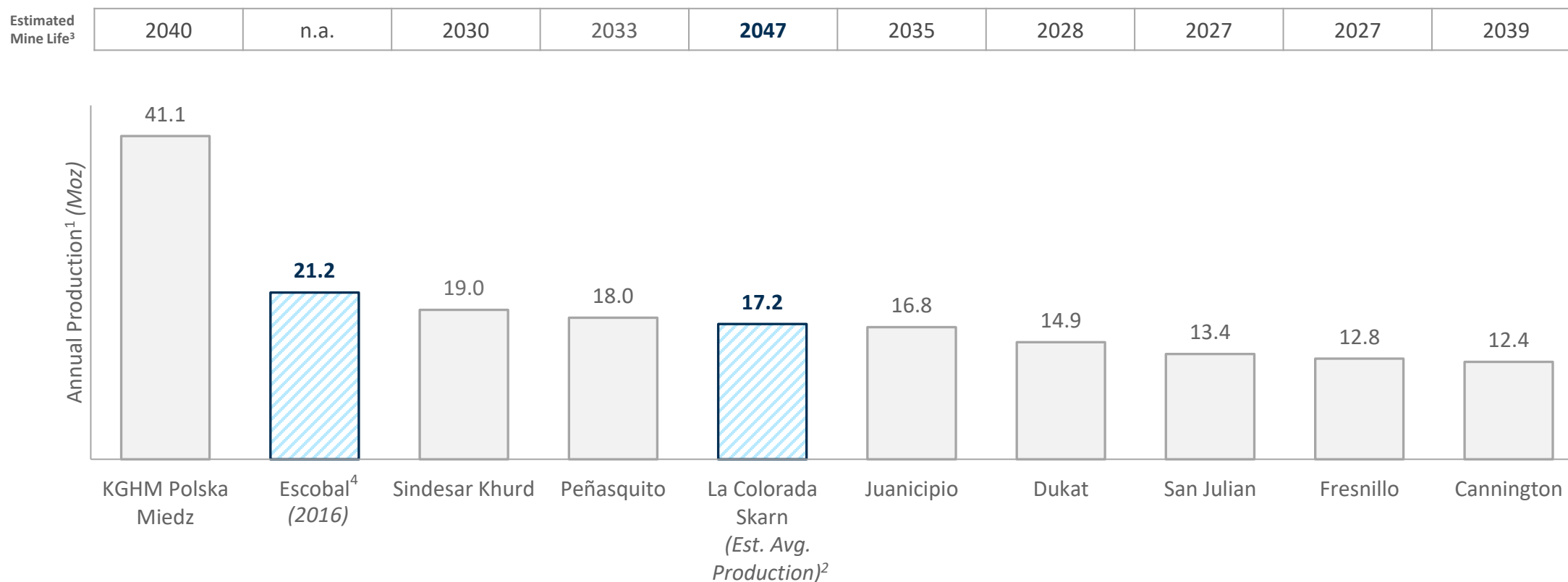


1. Please refer to the NI 43-101 Technical Report dated January 31, 2024, as amended, for the Preliminary Economic Assessment of the La Colorada Skarn project.

LA COLORADA SKARN: LARGE-SCALE SILVER PRODUCTION

// Relative to 2023 mine performance, La Colorada Skarn would rank as the 4th largest global silver mine^{1,2}

Largest Mines by Total Silver Production in 2023¹ (Moz)

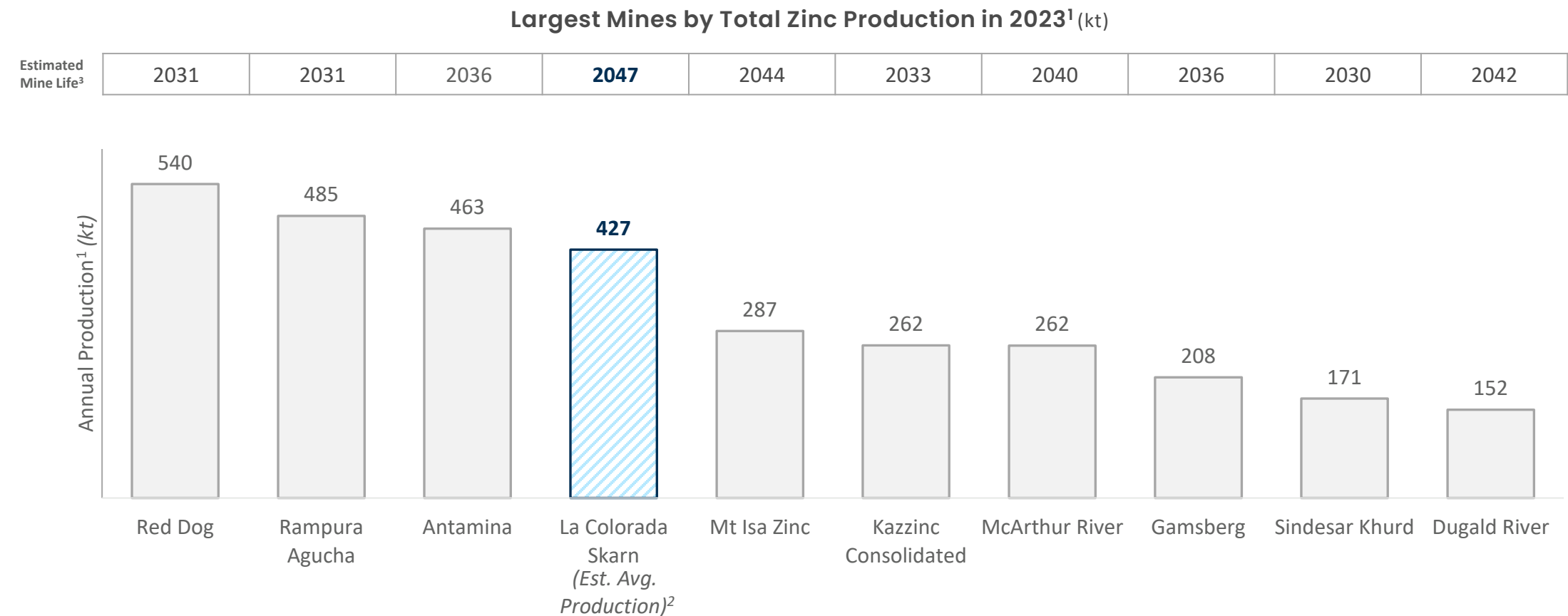


Source: The Silver Institute, S&P Global, La Colorada NI 43-101 Technical Report dated January 31, 2024, as amended.

1. Total Silver Production is based on 2023 production as per The Silver Institute except Escobal and La Colorada Skarn (see notes below).
2. La Colorada Skarn production is based on "Average annual silver production first 10 years" based on the 50,000 tpd case as per La Colorada NI 43-101 Technical Report dated January 31, 2024, as amended.
3. Estimated Mine Life is based on S&P Global estimates. La Colorada Skarn based on LOM plan presented in La Colorada NI 43-101 Technical Report, dated January 31, 2024, as amended, assuming first concentrate in 2030.
4. Escobal is currently on care & maintenance and therefore figures are based on 2016A silver production.

LA COLORADA SKARN: LARGE-SCALE ZINC MINE

// Relative to 2023 mine performance, La Colorado Skarn would also rank as the 4th largest global zinc mine^{1,2}



Source: S&P Global, La Colorado NI 43-101 Technical Report dated January 31, 2024, as amended.

1. Total Zinc Production is based on 2023Y Actual figures as per S&P Global except La Colorado Skarn (see note below).

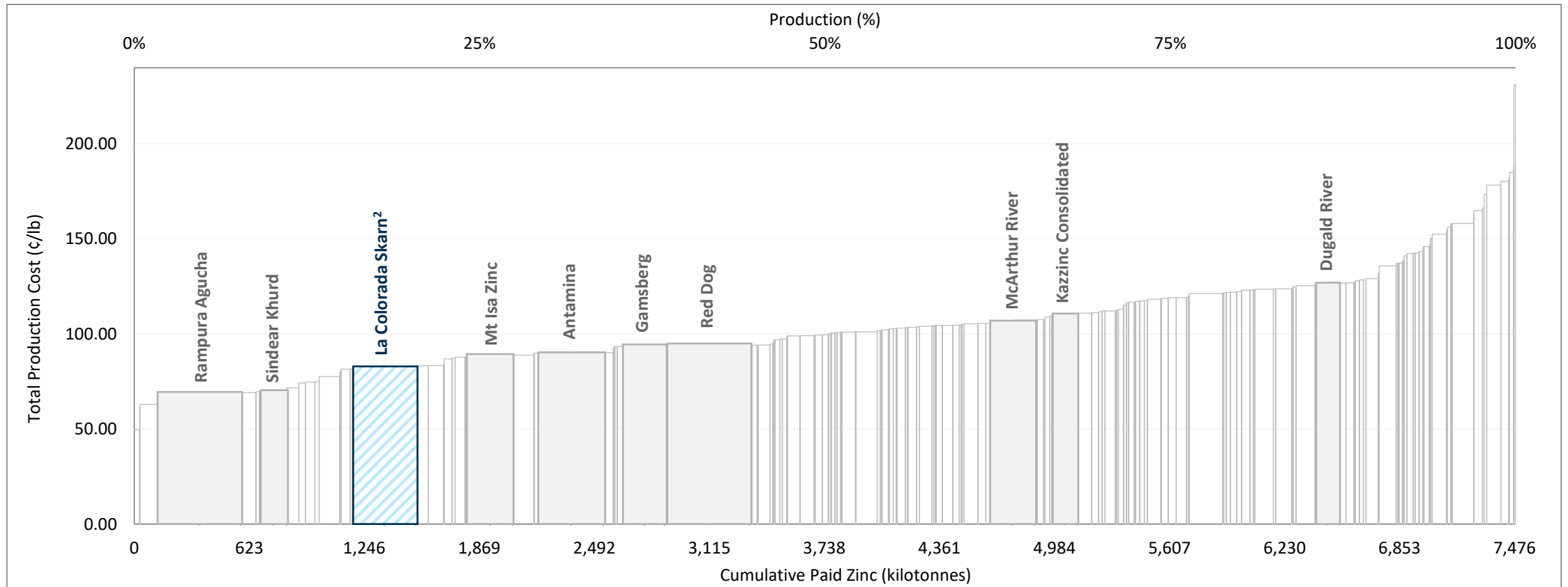
2. La Colorado Skarn production is based on “Average annual zinc production first 10 years” based on the 50,000 tpd case as per La Colorado NI 43-101 Technical Report dated January 31, 2024, as amended.

3. Estimated Mine Life is based on S&P Global estimates. La Colorado Skarn based on LOM plan presented in La Colorado NI 43-101 Technical Report, dated January 31, 2024, as amended, assuming first concentrate in 2030.

LA COLORADA SKARN: LOW-COST ZINC MINE

// La Colorada Skarn would also rank in the first quartile of the cost curve

Zinc Total Production Cost Curve in 2023¹ (kt, ¢ / lb) – inclusive of depreciation



Source: S&P Global.

- Figures are on a co-product basis. Total Production Cost includes Total Cash Cost, depreciation, reclamation accretion expense, and deferred stripping amortized.
- La Colorada Skarn figures as per S&P Global's 2034 forecast (first full year of production).

SANTA ROSA, GUATEMALA

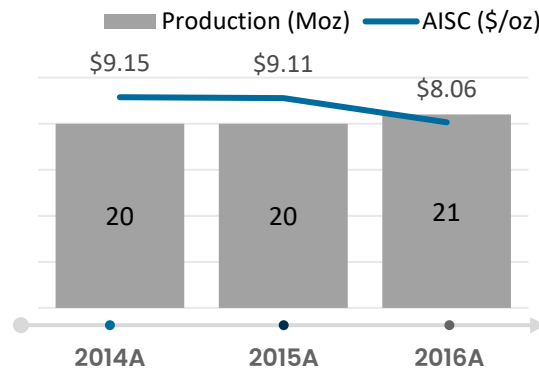
ESCOBAL

// One of the world's best silver mines

- High-quality, well-built operation with over \$500M invested¹
- One of the world's largest primary silver deposits with reserves of 264 Moz
- 3 consecutive years of production at 20 Moz Ag/year at AISC consistently below \$10/oz Ag prior to 2017
- Mine operations suspended pending completion of an ILO 169 consultation by the Guatemalan government

1. Based on development, expansion, and sustaining capital invested from 2011 to 2017.

Historical Silver Production & AISC



AISC is a non-GAAP measure; see the "Non-GAAP Measures" section of our Cautionary Note on slides 2 and 3 of this presentation.

Estimated Mineral Reserves & Mineral Resources

	Tonnes (Mt)	Grade				Contained Metal			
		Ag (g/t)	Au (g/t)	Pb (%)	Zn (%)	Ag (Moz)	Au (koz)	Pb (kt)	Zn (kt)
P&P Reserves	24.7	334	0.35	0.79	1.30	264.5	278	196	320
M&I Resources	16.5	208	0.21	0.37	0.65	110.1	110	61	106
Inferred Resources	1.9	180	0.90	0.22	0.42	10.7	54	4	8

(as of June 30, 2024)

See slides 47 - 53 for more detailed information on the Company's reserves and resources and the metal price assumptions used for these estimates.

ESCOBAL CONSULTATION PROCESS

// Escobal mining license suspended pending completion of an ILO 169 Consultation in Guatemala

For more information, please visit
<https://mem.gob.gt/derecho-minero-escobal/>

PRE-PHASE 1 REVIEW

PAS Guatemala shall work with 2011 Environmental Impact Study (EIS) consultant and experts at two Guatemalan Universities to review, define, and recommend area of influence (AOI) to Ministry of Environment and Natural Resources



MARN (Environmental Ministry) completed the area of influence analysis and submitted to the MEM in November 2018. On February 5, 2020, the Supreme Court ruled that the MARN process for the determination of the AOI was completed properly.

PHASE 1 PRE-CONSULTATION

Ministry of Energy and Mines (MEM) leads the process

Define and agree to the terms, timeline and mechanisms under which the consultation (Phase 2) will take place



Pre-consultation completed in July 2022.

PHASE 2 CONSULTATION

MEM leads the process

Formal dialogue process to achieve agreements amongst the main participants in the process: Xinka indigenous communities, MEM and PAS Guatemala (Pan American's subsidiary in Guatemala)



Underway.

PHASE 3 SUPREME COURT VERIFICATION

MEM to submit results of the consultation process to the Guatemalan Supreme Court (SC)

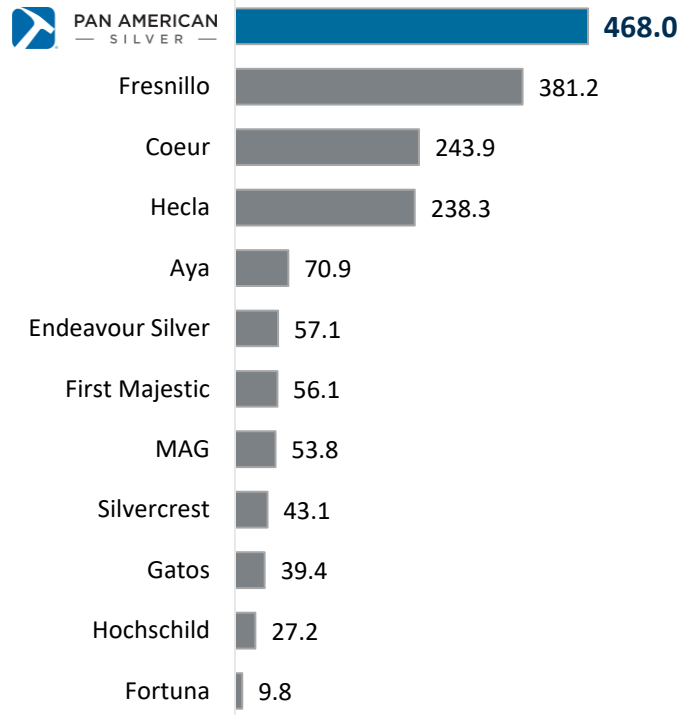
SC certifies with all three parties that the ILO 169 consultation process as outlined in the Constitutional Court's resolution has been followed



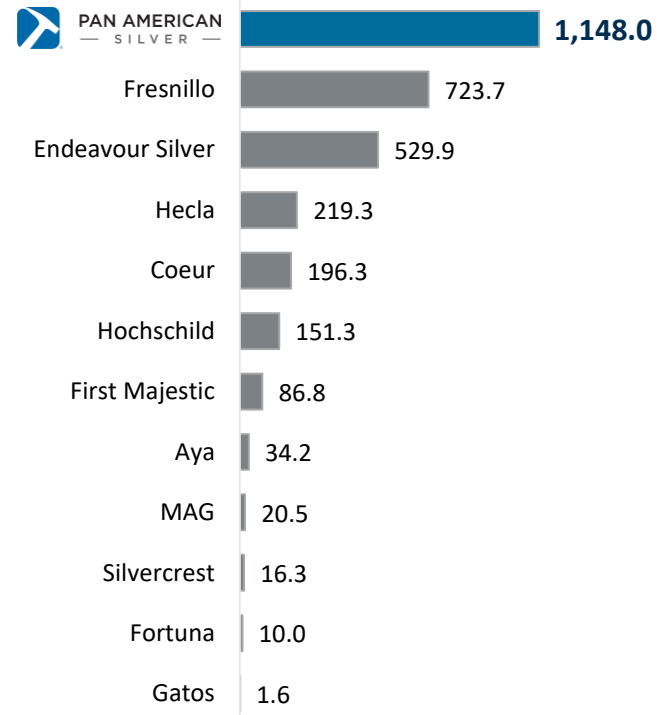
Awaiting completion of Phase 2.

LEADING SILVER MINERAL RESERVES AND RESOURCES WITH STRONG PRODUCTION

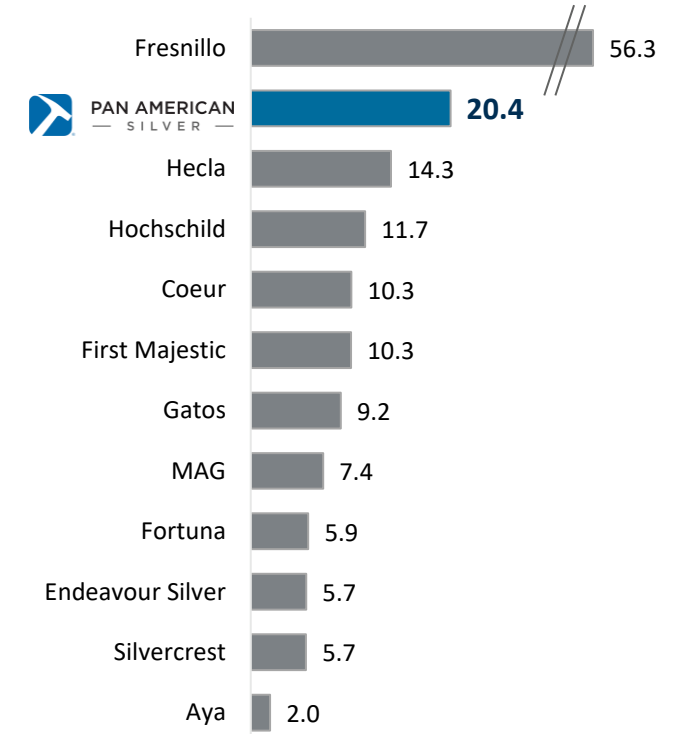
**Silver Proven & Probable
Mineral Reserves¹ (Moz)**



**Silver Measured & Indicated
Mineral Resources¹ (Moz)**



2023 Silver Production (Moz)



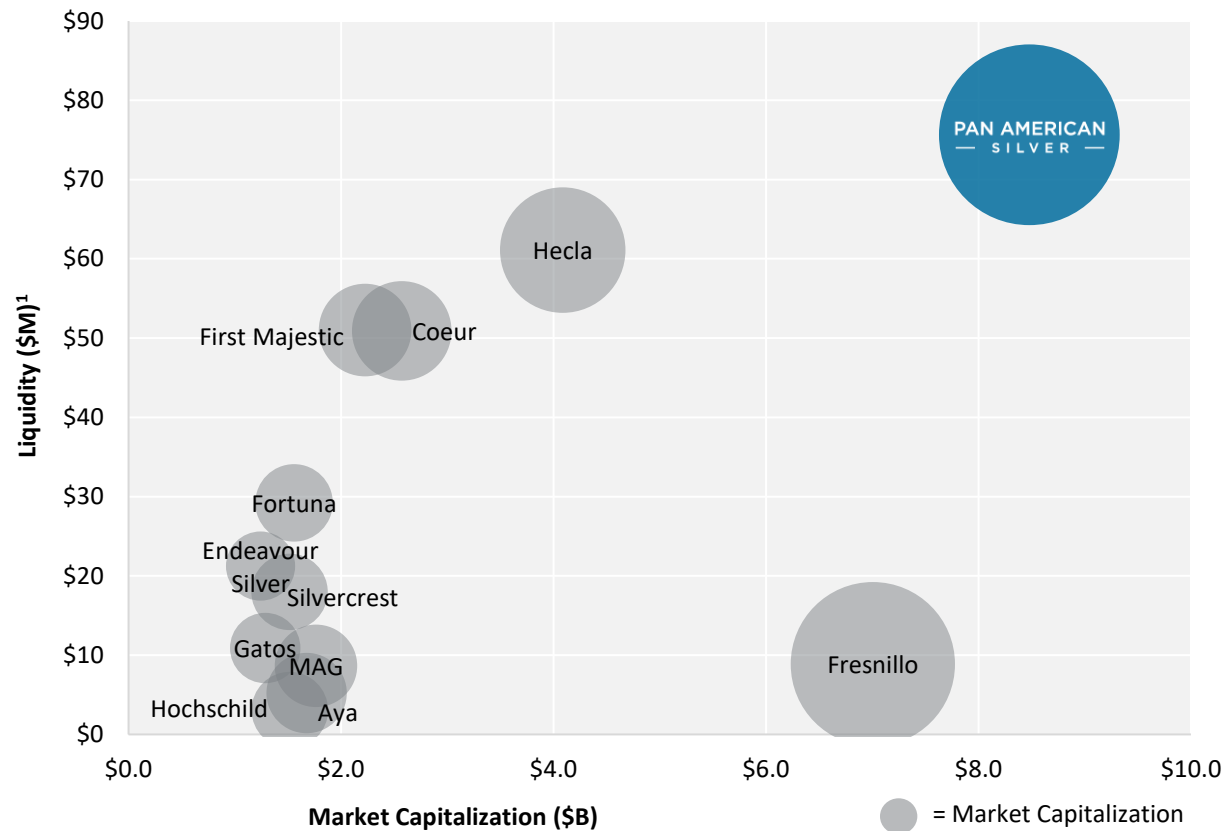
Source: S&P Global, FactSet.

1. Figures are per S&P Global as at June 30, 2024, except Pan American Mineral Reserves & Resources are reported as of June 30, 2024. See slides 47 – 53 for more detailed information on the Company's reserves and resources.

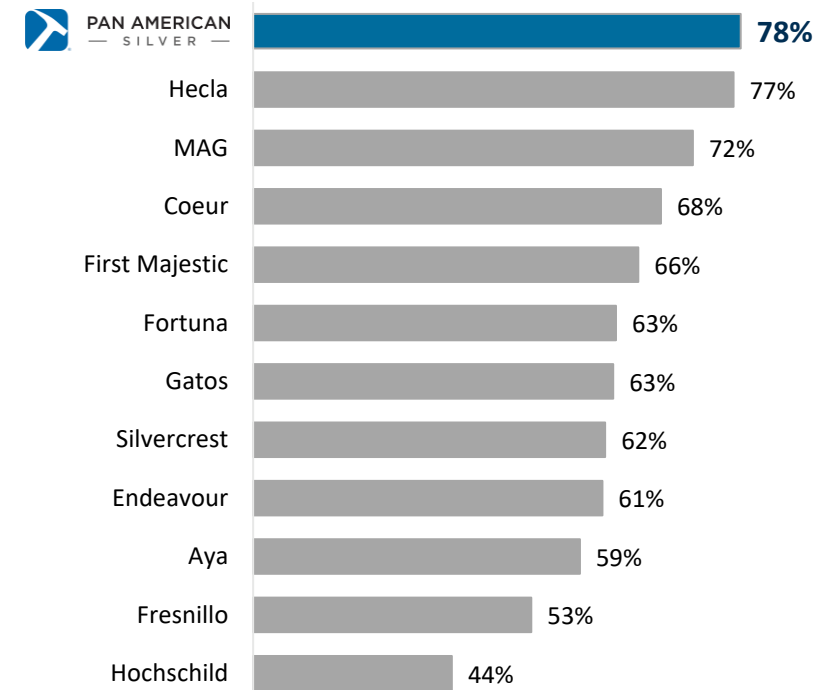
PROVIDING INVESTORS WITH THE BEST EXPOSURE TO SILVER

// Pan American is the leading silver producer by market cap, liquidity, and silver price correlation

Silver Producers by Market Capitalization and Liquidity



1-Year Share Price Correlation to Silver Price²



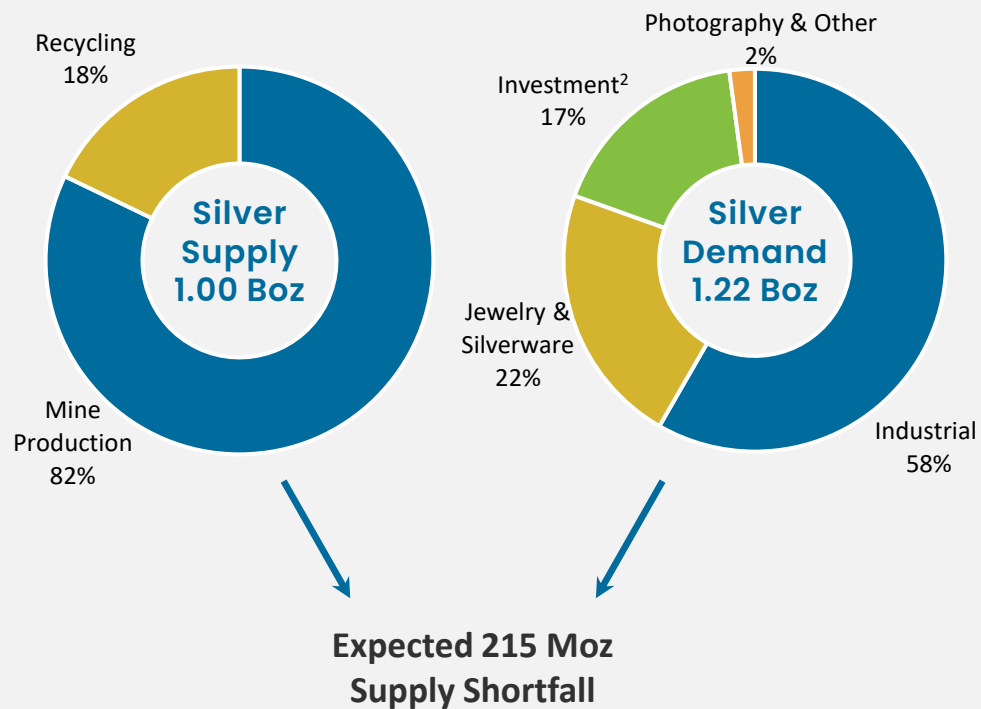
Source: FactSet as at October 31, 2024.

- Figures based on exchange with highest Liquidity, calculated as 90-day trading average.
- Figures display correlation coefficient of daily returns between the iShares Silver Trust and respective share price for the period November 1, 2023 to October 31, 2024. The iShares Silver Trust tracks the silver spot price, less expenses and liabilities, using silver bullion held in London.

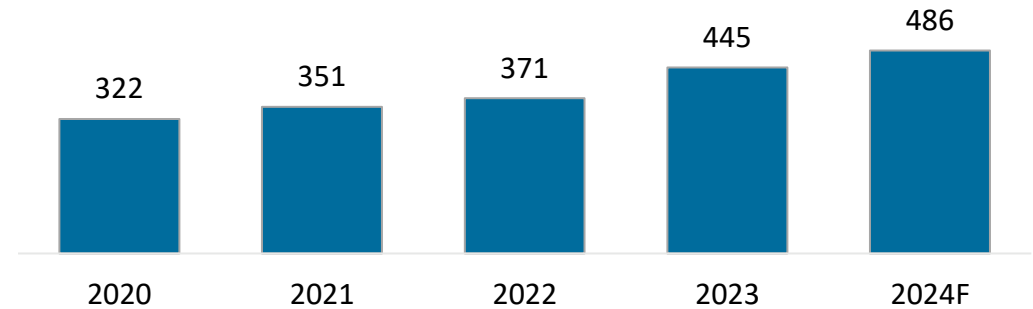
POSITIVE SILVER MARKET DYNAMICS

// Growing industrial demand from global transition to decarbonization and electrification

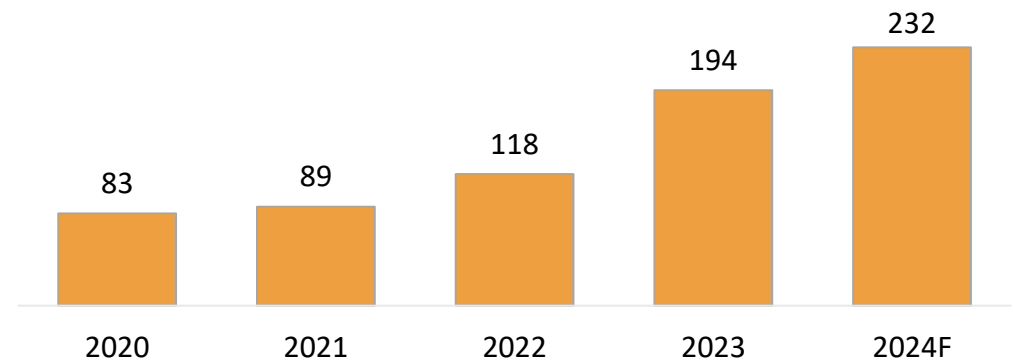
2024E Silver Market Dynamics¹



Electrical Applications Silver Demand (Moz)



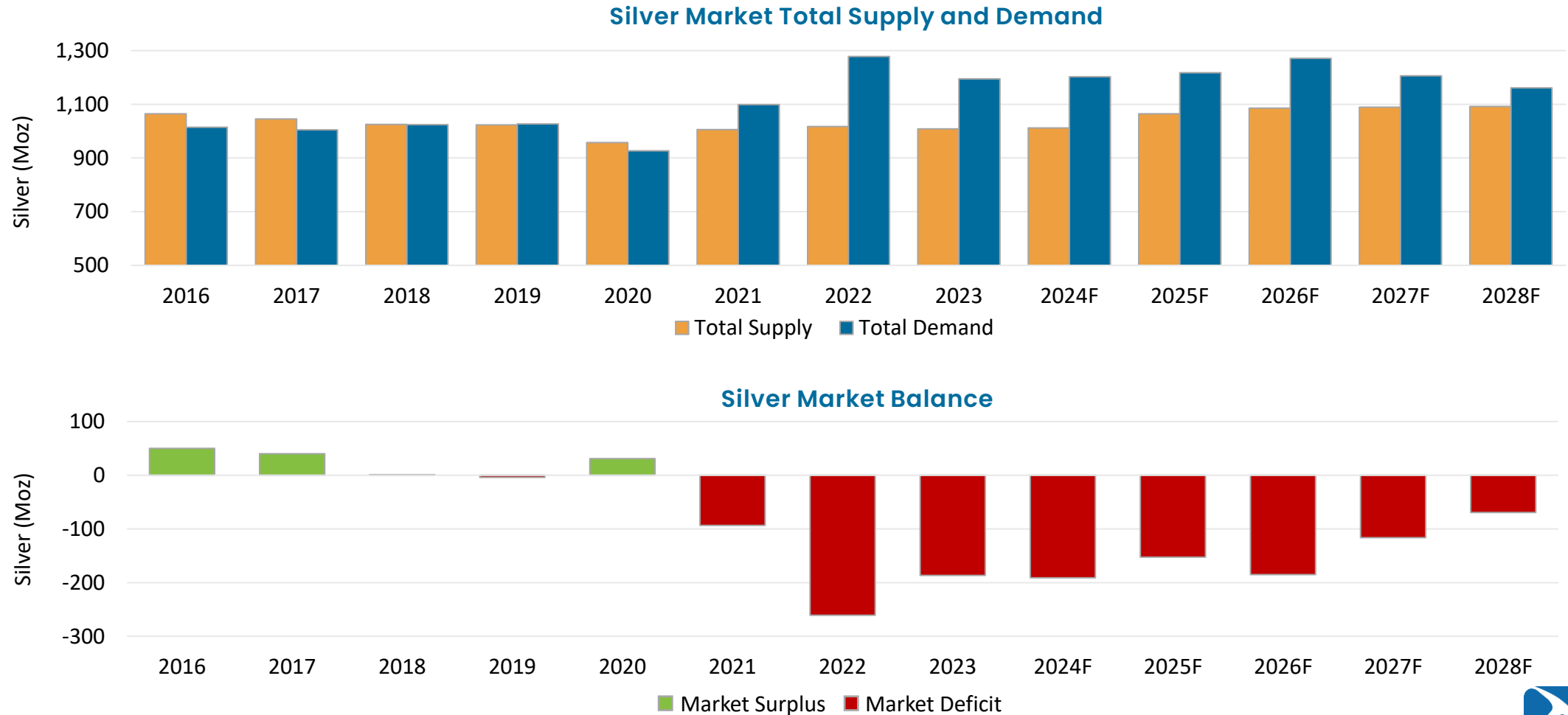
Photovoltaics Silver Demand³ (Moz)



Source: Silver Institute, World Silver Survey 2024.

1. Figures may not sum to 100% due to rounding.
2. Net physical investment in coins and bars.
3. The total for electrical applications includes demand for photovoltaics.

DEMAND EXPECTED TO EXCEED SUPPLY OVER NEXT 4 YEARS



Source: Metals Focus as of June 2024.

Note: Figures are as per Metals Focus' Base Case forecasts.

1. Market Balance equals Total Supply less Total Demand

COMMITTED TO LEADING ESG PERFORMANCE

Reporting Frameworks and Standards



Memberships and Associations



ESG Ratings and Rankings

S&P Global

62

Ranked top 8th
Percentile in the Metals
& Mining industry

Scale: 0 (worst)
to 100 (best)

MSCI 

A RATING

Ranked Top 60th
percentile

Scale: CCC (worst)
to AAA (best)



24.2 (MEDIUM RISK)

Ranked Top 23rd
Percentile in the Precious
Metals Mining Sector

Scale: 100 (worst)
to 0 (best)

ISS ESG 

Environment: 1
Social: 2
Governance: 6

Scale: E&S Disclosure 10
(worst) to 1 (best)
Governance Risk 10 (higher)
to 1 (lower)

**\$750 MILLION REVOLVING CREDIT FACILITY
LINKED TO THIRD-PARTY ESG RATINGS
(S&P GLOBAL AND MSCI)**

As of October 30, 2024



PAN AMERICAN SNAPSHOT¹

// A leading producer of silver & gold in the Americas

NYSE: PAAS

TSX: PAAS

\$8.5 B

MARKET CAP

363.0 M

SHARES
OUTSTANDING

\$0.10

QUARTERLY DIVIDEND
PER SHARE²

1.7%

DIVIDEND YIELD

\$76 M

AVERAGE DAILY
TRADING VALUE³

10

SELL SIDE
ANALYSTS

Analyst Coverage⁴

BofA Global Research (Lawson Winder)

Canaccord Genuity (Carey MacRury)

CIBC Capital Markets (Cosmos Chiu)

Edison Group (Andrey Litvin)

Jefferies (Matt Murphy)

National Bank Financial (Don DeMarco)

RBC Capital Markets (Michael Siperco)

Scotiabank GBM (Ovais Habib)

TD Securities (Craig Hutchison)

Ventum Financial (Alex Terentiew)

Top Shareholders⁵

Van Eck (11.11%)

The Vanguard Group (3.74%)

Fidelity Investments Canada (3.29%)

BlackRock Investment Management UK (2.94%)

Global X Management (2.34%)

BlackRock Fund Advisors (1.74%)

Invesco Advisors (1.73%)

Connor Clark & Lunn (1.56%)

Slate Path Capital (1.45%)

Norges Bank (1.22%)

1. FactSet market data as of October 31, 2024.

2. Dividend declared November 5, 2024.

3. Based on 90-day average daily trading value per FactSet

4. We do not endorse or approve any analyst's opinions, estimates, conclusions, or recommendations. Analysts and institutions may change their coverage from time to time.

5. Shareholder register at September 30, 2024.



PAN AMERICAN
— SILVER —

APPENDIX

AN EXPERIENCED OPERATOR IN THE AMERICAS

// Our executive team has decades of experience working in the Americas



Michael Steinmann

PRESIDENT & CEO

- Joined Pan American in 2004
- More than 25 years of experience in the base and precious metals industry, largely focused throughout South America in mine operations and project development



Steve Busby

CHIEF OPERATING OFFICER

- Joined Pan American in 2003
- 40 years of experience in precious metals; participated in successful mine development and construction projects throughout Mexico, the US, and other geographies



Ignacio Couturier

CHIEF FINANCIAL OFFICER

- Joined Pan American in 2002
- 25 years of experience in treasury, planning, commercial, and risk management
- Prior to joining, worked for Minera Antamina (Peru) and Rio Algom (Canada)



Christopher Lemon

CHIEF LEGAL AND HUMAN RESOURCES OFFICER, GENERAL COUNSEL

- Joined Pan American in 2017
- 25 years of experience in corporate law includes 10 years as General Counsel for First Quantum



Sean McAleer

SVP, STRATEGIC INITIATIVES

- Joined Pan American in 2006
- More than 20 years of experience in the mining industry
- Held progressively senior roles with the company and throughout Latin America



Scott Campbell

SVP, OPERATIONS & PROJECTS

- Originally joined Pan American in 2019, and re-joined in 2024
- 25 years of experience largely focused in Latin America; previously was Country GM for Ecuador at Dundee and held senior roles with Barrick in Peru and Argentina



Sam Drier

SVP, BUSINESS DEVELOPMENT

- Joined Pan American in 2019
- 25 years of experience in the mining industry, focused on M&A and business development



Martin Wafforn

SVP, TECHNICAL SERVICES & PROCESS OPTIMIZATION

- Joined Pan American in 2004
- Led and worked on various technical evaluations and feasibility studies at key portfolio assets in Mexico, Argentina, and Bolivia



Brent Bergeron

SVP, CORPORATE AFFAIRS & SUSTAINABILITY

- Joined Pan American in 2019
- Previously served in a similar role with Goldcorp, and as a senior executive with international experience in a variety of industries throughout Africa, North, South and Central America.



Chris Emerson

VP, GEOLOGY & EXPLORATION

- Joined Pan American in 2015
- Over 20 years of geology and exploration experience in Latin America
- Prior to joining, worked for Glencore for 15 years

2024 GUIDANCE¹

// Operating Outlook reaffirmed for production, Cash Costs² and AISC², and capital expenditures

- Annual silver production towards the low end of range
- Silver and gold production heavily weighted to Q4 2024

	YTD 2024 Actual	2024 Full Year Operating Outlook ¹
Consolidated Production		
Silver (Moz)	15.04	21.0 – 23.0
Gold (koz)	668.3	880 – 1,000
Cash Costs (\$ per ounce sold)²		
Silver Segment	14.39	11.70 – 14.10
Gold Segment	1,196	1,165 – 1,260
AISC (\$ per ounce sold)^{2,3}		
Silver Segment	18.62	16.00 – 18.50
Gold Segment	1,494	1,475 – 1,575
Sustaining Capital (\$ millions)	201.0	295.0 – 310.0
Project Capital	73.1	80.0 – 85.0

Note: Please refer to the Cautionary Note on slides 2 and 3 of this presentation.

1. The 2024 Operating Outlook was provided in the Company's MD&A for the period ended December 31, 2023 and has not been updated to reflect the sale of La Arena announced on May 1, 2024. The transaction is expected to close in the fourth quarter of 2024.
2. Cash Costs, AISC, and Sustaining Capital are non-GAAP measures. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended September 30, 2024 for a detailed description of these measures and where appropriate a reconciliation of the measure to the Financial Statements for the period ended September 30, 2024. The Cash Costs and AISC forecasts assume average metal prices of \$23.50/oz for silver, \$1,950/oz for gold, \$2,500/tonne (\$1.13/lb) for zinc, \$2,150/tonne (\$0.98/lb) for lead, and \$8,300/tonne (\$3.76/lb) for copper; and average annual exchange rates relative to 1 USD of 17.50 for the Mexican peso ("MXN"), 3.75 for the Peruvian sol ("PEN"), 980.00 for the Argentine peso ("ARS"), 7.00 for the Bolivian boliviano ("BOB"), \$1.36 for the Canadian dollar ("CAD"), 850.00 for the Chilean peso ("CLP"), and 5.00 for the Brazilian real ("BRL").
3. AISC YTD 2024 actual figures exclude NRV adjustments.

2024 CAPITAL EXPENDITURE & OPERATING FORECAST¹

Project capital invested to advance strategic goals:

- Upgrading processing plant at Jacobina
- Continued exploration and in-fill drilling on the La Colorada Skarn project, advancing engineering work for the Skarn project, and installing two high-capacity fans in mid-2024 as part of the new ventilation structure (*commissioned July 2024*)
- Construction of the tailings filtration plant and dry-stack storage facility at Huaron
- Stage six tailings storage facility at Timmins and Bell Creek paste fill plant (began commissioning October 2024)

	Expenditures (\$ millions)
Sustaining Capital	
La Colorada (Mexico)	22.5 – 23.0
Cerro Moro (Argentina)	14.0 – 15.5
Huaron (Peru)	17.5 – 18.5
San Vicente (Bolivia) ²	4.5 – 5.5
Jacobina (Brazil)	53.0 – 55.0
El Peñon (Chile)	30.0 – 32.0
Timmins (Canada)	39.0 – 40.0
Shahuindo (Peru)	76.0 – 80.0
La Arena (Peru)	18.0 – 19.0
Minera Florida (Chile)	20.0 – 21.0
Dolores (Mexico)	0.5
Sustaining Capital Sub-total	295.0 – 310.0
Project Capital	
La Colorada Projects (Mexico)	25.0 – 26.0
Huaron Projects (Peru)	30.0 – 31.0
Timmins Projects (Canada)	11.0 – 12.5
Jacobina Projects (Brazil)	14.0 – 15.5
Project Capital Sub-total	80.0 – 85.0
Total Capital Expenditures	375.0 – 395.0
Reclamation Expenditures	35.0 – 40.0
General and Administrative	70.0 – 75.0
Care & Maintenance	25.0 – 30.0
Exploration and Project Development³	10.0 – 12.0
Income Tax Payments⁴	95.0 – 100.0

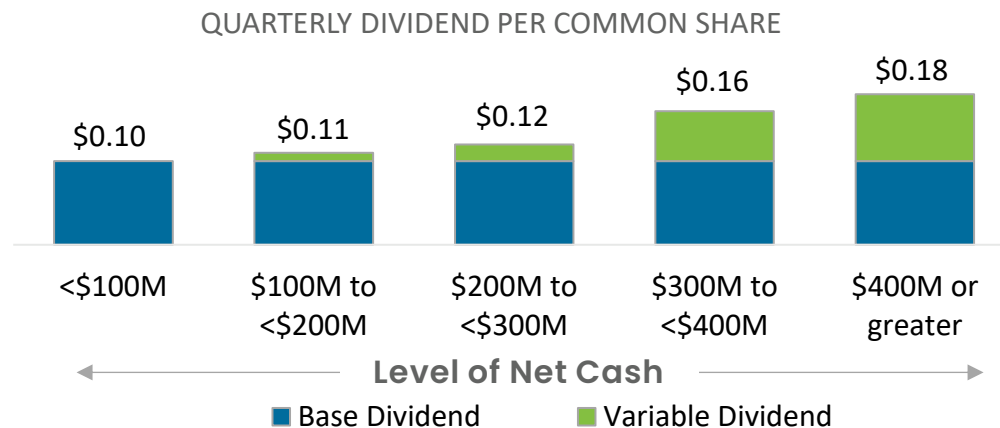
Note: Please refer to the Cautionary Note on slides 2 and 3 of this presentation.

1. The 2024 Expenditures Forecast was provided in the Company's MD&A for the period ended December 31, 2023 and has not been updated to reflect the sale of La Arena announced on May 1, 2024. The transaction is expected to close in the fourth quarter of 2024.
2. Capital expenditures and reclamation expenditures at San Vicente are shown at a 100% ownership.
3. Expenditures relating to near-mine exploration targeting reserve replacement are included in the sustaining capital and project capital estimates provided above.
4. We are anticipating to exceed original cash income tax payment guidance of \$95.0 million to \$100.0 million, and have updated our guidance for Q4 2024 to \$70.0 million to \$90.0 million of cash income tax payments. The increase is driven largely by: \$45.9 million of income taxes paid in October 2024 related to a settlement with the Mexican tax authorities, \$6.3 million payable in Argentina related to an amendment of income tax filings, and a higher rate of installments to account for the increase in profitability from higher metal prices.

SHAREHOLDER RETURNS

Dividend Policy

Pan American supplements a base dividend of \$0.10 per common share with a variable dividend, paid on a quarterly basis, that is linked to the net cash¹ position for the previous quarter



Share Buyback (Normal Course Issuer Bid)

Pan American believes that the market price of its common shares, from time to time, may not fully reflect the underlying value of its mining operations and future growth prospects

- On February 21, 2024, Pan American announced its intention to make a Normal Course Issuer Bid (the “Bid”) to purchase up to 5% of the Company’s issued and outstanding common shares.
- All common shares acquired by the Company will be cancelled and purchases will be funded out of Pan American’s working capital, making it an attractive use of excess cash.
- The Bid will run from March 6, 2024 to March 5, 2025, and the Company has opted for a discretionary approach to purchase shares when appropriate.
- Repurchased approximately 1.7 million shares at an average price of \$14.16/share in YTD 2024.

1. Net cash is calculated as cash and cash equivalents plus short-term investments, other than equity securities, less total debt. Net cash and total debt are non-GAAP measures and do not have standardized meaning prescribed by IFRS and are therefore unlikely to be comparable to similar measures presented by other companies; please refer to the “Alternative Performance (non-GAAP) Measures” section of our MD&A for the period ended September 30, 2024, for a discussion of various non-GAAP measures.

SUSTAINABILITY GOVERNANCE AND MANAGEMENT

// Structure and Accountability

BOARD OF DIRECTORS

- The Communities and Sustainable Development Committee reviews the Company's sustainability performance and management of sustainability impacts.
- The Health, Safety and Environment Committee provides policy direction and oversight of the performance on safety and technical matters relating to the environment.
- The Nominating and Governance Committee oversees the implementation of governance best practices and compliance with the Company's Code of Ethical Conduct.
- The Human Resources and Compensation Committee Oversees human resources, inclusion and diversity initiatives, compensation, and succession planning.

CORPORATE MANAGEMENT TEAM

- Our CEO and senior leadership direct and oversee strategy, programs, initiatives, and performance related to communities, health and safety, environment and human capital. They also monitor the performance of ESG indicators monthly.
- The ESG Management Committee is responsible for guiding Pan American Silver's ESG strategy and management to improve performance.

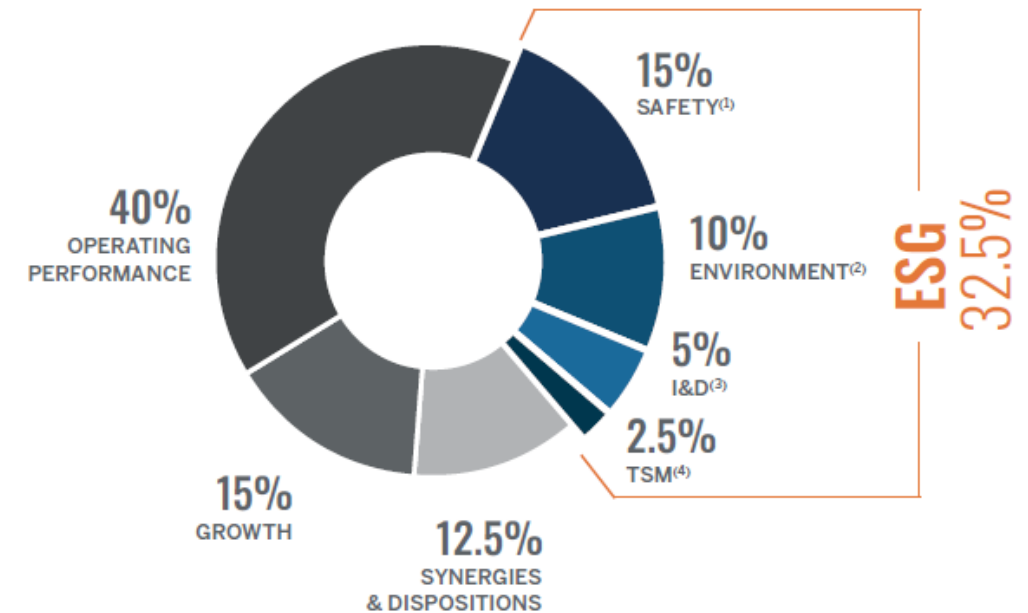
COUNTRY MANAGERS

- Oversee and manage sustainability matters in each of the countries where we operate.

MINE MANAGERS

- Implement sustainability programs and initiatives and supervise teams responsible for community relations, environment, safety, and human resources.

Senior Management's Compensation linked to ESG Performance



¹ Lost time injury frequency (LTIF) and lost time injury severity (LTIS) targets.

² Significant Environmental Incidents ("SEIs") target.

³ Inclusion & Diversity (hiring and retention of women) targets.

⁴ Towards Sustainable Mining (TSM) external verification target.

LA COLORADA

Ag Pb Zn

TYPE	LOCATION	OWNERSHIP
------	----------	-----------

Underground Mine Zacatecas, Mexico 100%

- Produces silver-rich lead and zinc concentrates from a flotation plant treating sulphide ore
- Life-of-Mine plan consists of an integrated operation where oxide and sulphide ores are fed to the processing plants
- Base case is anticipated to achieve average silver production of 6.5 Moz from 2024 to 2029, as released in the La Colorada technical report⁴

1. 2024F figures are based on our 2024 Operating Outlook. Plant Throughput based on the midpoint of the expected range. Please refer to the Company's MD&A for the period ended December 31, 2023 for our 2024 Operating Outlook and to the Cautionary Note on slides 2 and 3 of this presentation. As indicated in the Company's MD&A for the period ended June 30, 2024, silver production is expected to be at the low-end of the annual guidance range.
2. AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended September 30, 2024 for a detailed description of these measures.
3. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 47 - 53 of this presentation for detail of our Mineral Reserves and Resources.
4. Please refer the La Colorada NI 43-101 Technical Report dated January 31, 2024, as amended.

Opportunities



Restoring mine ventilation through new, 5.5 metre concrete-lined ventilation shaft and twin fan infrastructure

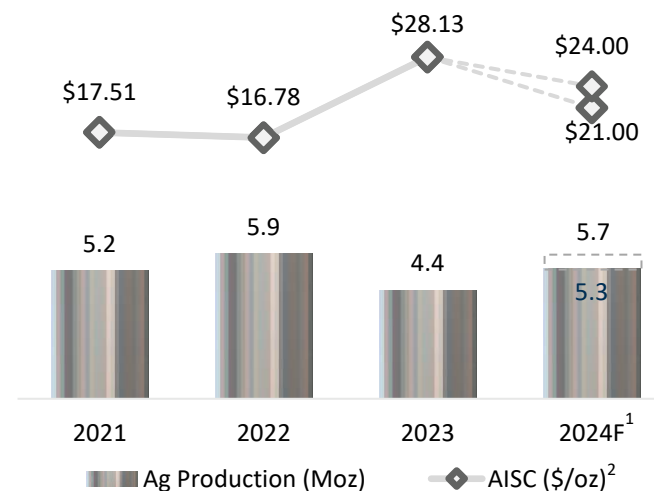


Exploration to the east of NC2 and south on the San Geronimo and Cristina Vein systems



Increasing ramp and development advance rates and progressing on rehabilitations following ventilation challenges

Production & Cost History



MINE OVERVIEW

5.3 – 5.7 Moz
2024F Ag Production¹
(Backend Loaded)

~1,620 tpd
2024F Plant Throughput¹

\$21.00 – \$24.00
2024F Ag AISC^{1,2}

86.6 Moz Ag
P&P Reserves³

14.9 Moz Ag
M&I Resources³

93.8 Moz Ag
Inferred Resources³

JACOBINA

Au

TYPE	LOCATION	OWNERSHIP
------	----------	-----------

Underground Mine	Bahia, Brazil	100%
------------------	---------------	------

- Jacobina is an ~8,400 tpd underground reef-style gold mine producing dore through a conventional leaching carbon-in-pulp process
- Pan American acquired the mine in March 2023 pursuant to its acquisition of Yamana and achieved record production the same year
- We currently mine seven deposits along a 14km strike feeding a central processing facility with a current reserve life of 16.3 years¹ and a strong history of reserve replacement from mine depletion
- A comprehensive optimization study is being undertaken to evaluate alternative mining methods and optimize LOM economics

Opportunities



Mine optimization and mining method selection

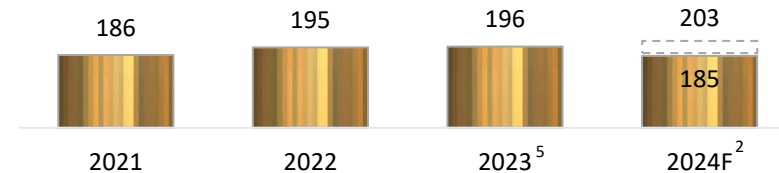


Excellent exploration potential to extend down-dip and along strike of known conglomerate reefs

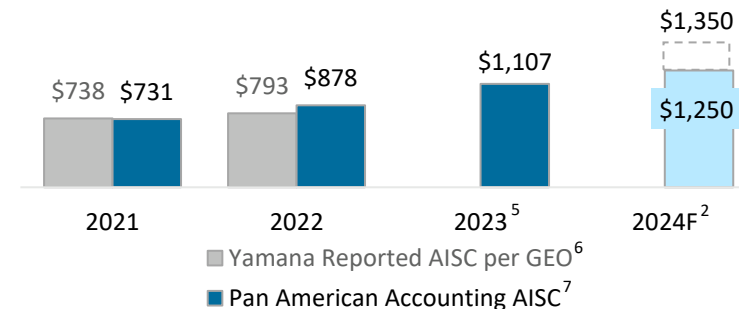


Highly skilled and motivated workforce committed to executing the next phase of growth for Jacobina

Production History



AISC History² (\$/oz)



MINE OVERVIEW

185 – 203 koz
2024F Au Production²

~8,400 tpd
2024F Plant Throughput²

\$1,250 – \$1,350
2024F Au AISC^{2,3}

3,162 koz Au
P&P Reserves⁴

4,971 koz Au
M&I Resources⁴

3,250 koz Au
Inferred Resources⁴

- Calculated as contained gold in proven and probable reserves divided by the midpoint of 2024F gold production (see note 2).
- 2024F figures are based on our 2024 Operating Outlook. Plant Throughput based on the midpoint of the expected range. Please refer to the Company's MD&A for the period ended December 31, 2023 for our 2024 Operating Outlook and to the Cautionary Note on slides 2 and 3 of this presentation.
- AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended September 30, 2024 for a detailed description of these measures. AISC figures for 2021 – 2022 are re-calculated using Pan American's accounting treatment for illustrative purposes.
- Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 47 - 53 of this presentation for detail of our Mineral Reserves and Resources.
- Production figures for 2023 represent the full year of production, including the three months that the asset was owned and operated by Yamana. AISC figures for 2023 are for the nine months that the asset was owned and operated by Pan American.
- Gold Equivalent Ounces ("GEO").
- Yamana's accounting treatment for AISC is not consistent with Pan American's accounting treatment. Thus, Pan American's accounting treatment has been applied retroactively for comparative purposes.

EL PEÑON

Au

Ag

TYPE	LOCATION	OWNERSHIP
------	----------	-----------

Underground Mine	Antofagasta, Chile	100%
------------------	--------------------	------

- Pan American acquired the mine as part of the acquisition of Yamana in March 2023. The operation is included in Pan American's Gold Segment
- The mine has been in operation since 1999 and has consistently replaced ounces mined
- Average throughput is currently approximately 3,600 tonnes per day
- Dore is produced through a leaching and Merrill-Crowe process
- The mine utilizes mainly long-hole and bench-and-fill mining methods with a combination of rockfill and cemented rockfill; a small percentage of cut-and-fill mining is also applied where required
- Remnant open pit stockpiles supplement mined ores

- 2024F figures are based on our 2024 Operating Outlook. Plant Throughput based on the midpoint of the expected range. Please refer to the Company's MD&A for the period ended December 31, 2023 for our 2024 Operating Outlook and to the Cautionary Note on slides 2 and 3 of this presentation. As indicated in the Company's MD&A for the period ended June 30, 2024, silver production is expected to be at the low-end of the annual guidance range.
- AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended September 30, 2024 for a detailed description of these measures. AISC figures for 2021 – 2022 are re-calculated using Pan American's accounting treatment for illustrative purposes.
- Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 47 – 53 of this presentation for detail of our Mineral Reserves and Resources.
- Production figures for 2023 represent the full year of production, including the three months that the asset was owned and operated by Yamana. AISC figures for 2023 are for the nine months that the asset was owned and operated by Pan American.
- Yamana's accounting treatment for Operating Cost per Tonne and AISC is not consistent with Pan American's accounting treatment. Thus, Pan American's accounting treatment has been applied retroactively for comparative purposes.

Opportunities



District-scale potential resulting from continued exploration of the rhyolitic level

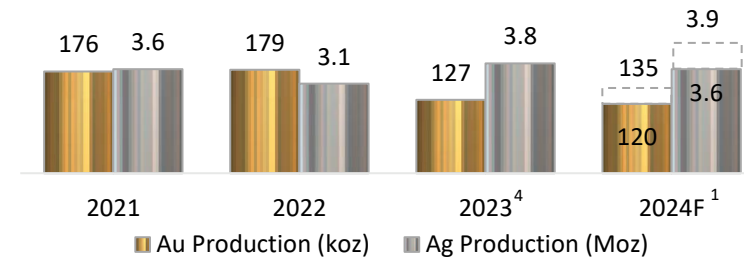


Continue infill drilling to confirm reserve grades



Potential retooling for narrow vein mining equipment leading to higher grades with lower throughput

Production History



AISC History⁽²⁾ (\$/oz)



MINE OVERVIEW

120 – 135 koz Au
3.6 – 3.9 Moz Ag

2024F Production¹

~3,650 tpd

2024F Plant Throughput¹

\$1,200 – \$1,300

2024F Au AISC^{1,2}

653 koz Au
22.2 Moz Ag

P&P Reserves³

685 koz Au
22.1 Moz Ag

M&I Resources³

816 koz Au
28.6 Moz Ag

Inferred Resources³

SHAHUINDO

Au

Ag

TYPE	LOCATION	OWNERSHIP
------	----------	-----------

Open-Pit Mine	Cajamarca, Peru	100%
---------------	-----------------	------

- Shahuindo is an open-pit, heap leach gold mine, producing silver by-products from dore
- Commercial production began in 2016; the mine was acquired by Pan American in 2019
- 2024 gold production is expected to be slightly lower relative to 2023, reflecting mine sequencing and ore blending considerations

- 2024F figures are based on our 2024 Operating Outlook. Plant Throughput based on the midpoint of the expected range. Please refer to the Company's MD&A for the period ended December 31, 2023 for our 2024 Operating Outlook and to the Cautionary Note on slides 2 and 3 of this presentation.
- AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended September 30, 2024 for a detailed description of these measures.
- Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 47 - 53 of this presentation for detail of our Mineral Reserves and Resources.

Opportunities

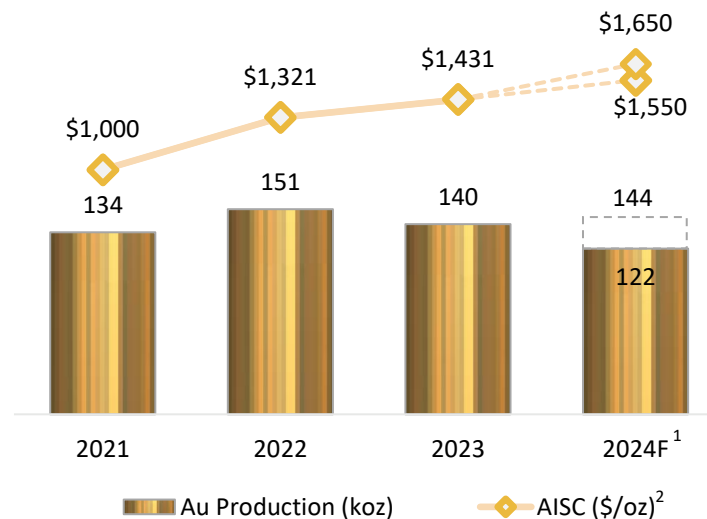


Expected leach recovery increase over LOM based on metallurgical testing



Completion of leach pads and waste dumps facilities by 2027 expected to result in lower capital requirements thereafter

Production & Cost History



MINE OVERVIEW

122 – 144 koz

2024F Au Production¹

~33,840 tpd

2024F Plant Throughput¹

\$1,550 – \$1,650

2024F Au AISC^{1,2}

1,059 koz Au

P&P Reserves³

183 koz Au

M&I Resources³

116 koz Au

Inferred Resources³

HUARON



TYPE	LOCATION	OWNERSHIP
Underground Mine	Pasco, Peru	100%

- Huaron is an underground silver bearing polymetallic mine
- Long-hole mechanized longitudinal cut-and-fill mining methods are used
- Utilizes selective flotation to produce silver in copper, lead, and zinc concentrates
- The construction of a tailings filtration plant and dry-stack tailings storage facility is expected to be operational by Q1 2025
- Developing the prospective Horizonte zone, which added 2.7 million ounces of new proven and probable silver mineral reserves in our 2024 update

- 2024F figures are based on our 2024 Operating Outlook. Plant Throughput based on the midpoint of the expected range. Please refer to the Company's MD&A for the period ended December 31, 2023 for our 2024 Operating Outlook and to the Cautionary Note on slides 2 and 3 of this presentation. As indicated in the Company's MD&A for the period ended June 30, 2024, silver production is expected to be at the low-end of the annual guidance range.
- AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended September 30, 2024 for a detailed description of these measures.
- Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 47 - 53 of this presentation for detail of our Mineral Reserves and Resources.

Opportunities

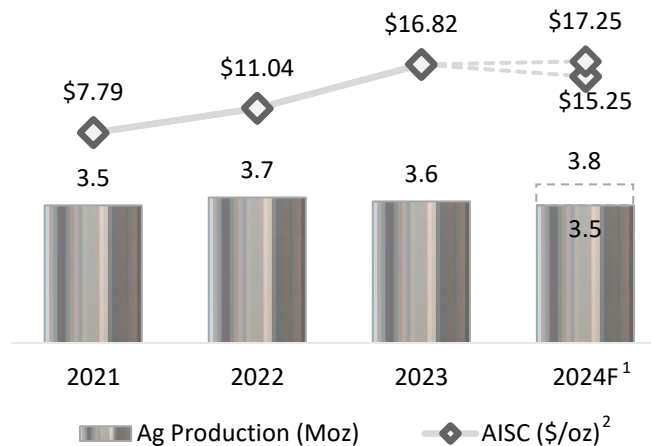


Continue development and exploration of the Horizonte zone



Improve electricity efficiency and lower costs from recently commissioned mine dewatering station

Production & Cost History



MINE OVERVIEW

3.5 – 3.8 Moz

2024F Ag Production¹

~2,550 tpd

2024F Plant Throughput¹

\$15.25 – \$17.25

2024F Ag AISC^{1,2}

52.6 Moz Ag

P&P Reserves³

17.7 Moz Ag

M&I Resources³

27.5 Moz Ag

Inferred Resources³

TIMMINS

Au

TYPE	LOCATION	OWNERSHIP
Underground Mine	Ontario, Canada	100%

- Timmins is two underground gold mines (Bell Creek and Timmins West) and a leach and carbon-in-pulp processing plant at Bell Creek
- Throughput capacity of approximately 5,600 tpd
- The construction of the backfill paste plant at Bell Creek has been successfully concluded and began commissioning as of October 2024

1. 2024F figures are based on our 2024 Operating Outlook. Plant Throughput based on the midpoint of the expected range. Please refer to the Company's MD&A for the period ended December 31, 2023 for our 2024 Operating Outlook and to the Cautionary Note on slides 2 and 3 of this presentation.
2. AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended September 30, 2024 for a detailed description of these measures.
3. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 47 - 53 of this presentation for detail of our Mineral Reserves and Resources.

Opportunities



New tailings facility and completion of paste fill plant at Bell Creek

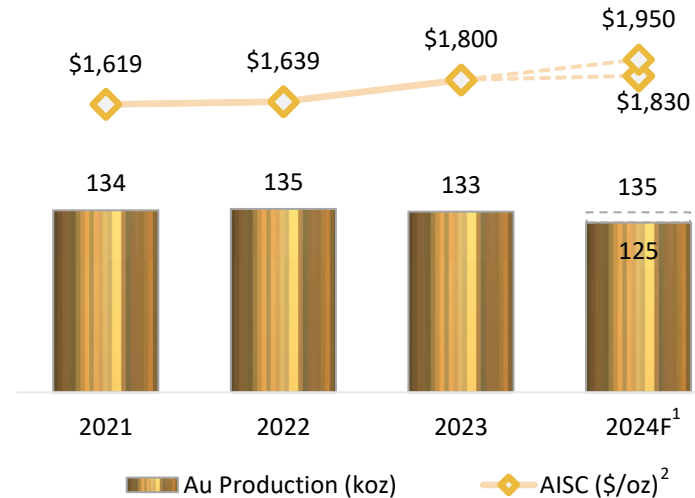


Exploration and development opportunities at Whitney and deep Bell Creek



Excess mill capacity

Production & Cost History



MINE OVERVIEW

125 – 135 koz
2024F Au Production¹

~4,240 tpd
2024F Plant Throughput¹

\$1,830 – \$1,950
2024F Au AISC^{1,2}

868 koz Au
P&P Reserves³

200 koz Au
M&I Resources³

383 koz Au
Inferred Resources³

SAN VICENTE

Ag Zn Pb Cu

TYPE	LOCATION	OWNERSHIP
Underground Mine	Potosi, Bolivia	95%

- San Vicente is a producer of silver-zinc and silver-lead concentrates through selective floatation processes.
- Pan American has been mining at San Vicente since 2009
- San Vicente has a nominal mine and plant capacity of approximately 1,000 tpd
- Mine life has been consistently extended through successful exploration

- 2024F figures are based on our 2024 Operating Outlook. Plant Throughput based on the midpoint of the expected range. Please refer to the Company's MD&A for the period ended December 31, 2023 for our 2024 Operating Outlook and to the Cautionary Note on slides 2 and 3 of this presentation. As indicated in the Company's MD&A for the period ended June 30, 2024, silver production is expected to be at the low-end of the annual guidance range.
- AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended September 30, 2024 for a detailed description of these measures.
- San Vicente Mineral Reserves And Resources represent the portion attributable to Pan American based on its 95% ownership interest in the entity. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 47 - 53 of this presentation for detail of our Mineral Reserves and Resources.

Opportunities

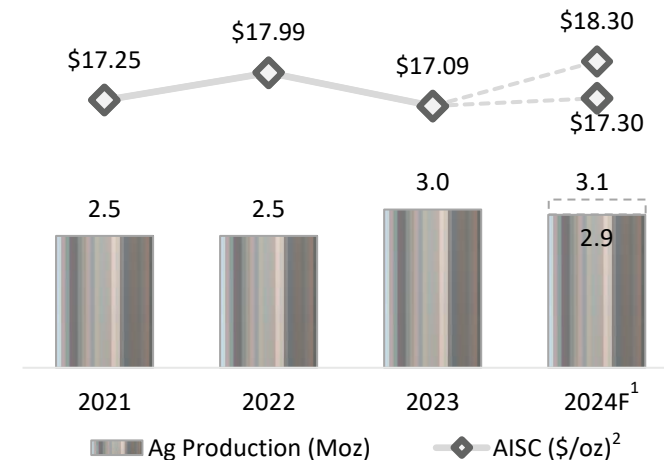


Maintain consistent steady-state production



Near mine exploration on the western portion of the Union Vein; veins and geophysical anomalies south of the main infrastructure

Production & Cost History



MINE OVERVIEW

2.9 – 3.1 Moz
2024F Ag Production¹

~1,030 tpd
2024F Plant Throughput¹

\$17.30 – \$18.30
2024F Ag AISC^{1,2}

14.0 Moz Ag
P&P Reserves³

5.9 Moz Ag
M&I Resources³

11.0 Moz Ag
Inferred Resources³

MINERA FLORIDA



TYPE	LOCATION	OWNERSHIP
------	----------	-----------

Underground Mine	Metropolitan Region, Chile	100%
------------------	----------------------------	------

- Minera Florida consists of several vein structures that are underground mined and processed to produce gold and silver dore bars and zinc concentrate.
- Pan American acquired the mine in March 2023 pursuant to its acquisition of Yamana.
- Mining is conducted using various underground variations on sublevel stoping
- Processing facilities utilize a unique combination of floatation and leaching circuits to produce both dore and concentrate products

- 2024F figures are based on our 2024 Operating Outlook. Plant Throughput based on the midpoint of the expected range. Please refer to the Company's MD&A for the period ended December 31, 2023 for our 2024 Operating Outlook and to the Cautionary Note on slides 2 and 3 of this presentation.
- AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended September 30, 2024 for a detailed description of these measures. AISC figures for 2021 – 2022 are re-calculated using Pan American's accounting treatment for illustrative purposes.
- Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 47 - 53 of this presentation for detail of our Mineral Reserves and Resources.
- Production figures for 2023 represent the full year of production, including the three months that the asset was owned and operated by Yamana. AISC figures for 2023 are for the nine months that the asset was owned and operated by Pan American.
- Yamana's accounting treatment for AISC is not consistent with Pan American's accounting treatment. Thus, Pan American's accounting treatment has been applied retroactively for comparative purposes.

Opportunities

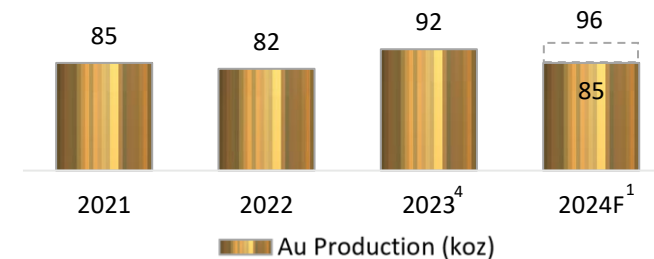


Ongoing exploration of the core mine down dip and laterally. Continued near-site exploration to the east and at depth where the veins are under-explored

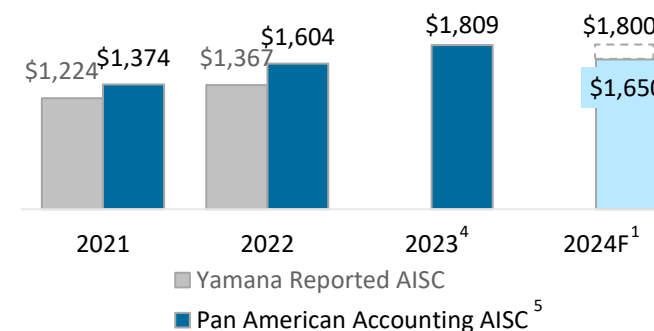


Exploration successes has consistently extended life of mine over the last couple of decades

Production History



AISC History² (\$/oz)



MINE OVERVIEW

85 – 96 koz Au

2024F Ag Production¹

~2,730 tpd

2024F Plant Throughput¹

\$1,650 – \$1,800

2024F Au AISC^{1,2}

317 koz Au

P&P Reserves³

670 koz Au

M&I Resources³

531 koz Au

Inferred Resources³

CERRO MORO

Ag

Au

TYPE	LOCATION	OWNERSHIP
Open-Pit & Underground	Santa Cruz, Argentina	100%

- The Cerro Moro operation consists of several open pit and underground mines, producing gold and silver dore through a conventional leaching and Merrill-Crowe process. The operation is included in Pan American's Silver Segment
- The mines feed a single processing plant at a rate of ~1,100 tpd
- Pan American acquired the mine as part of the acquisition of Yamana in March 2023

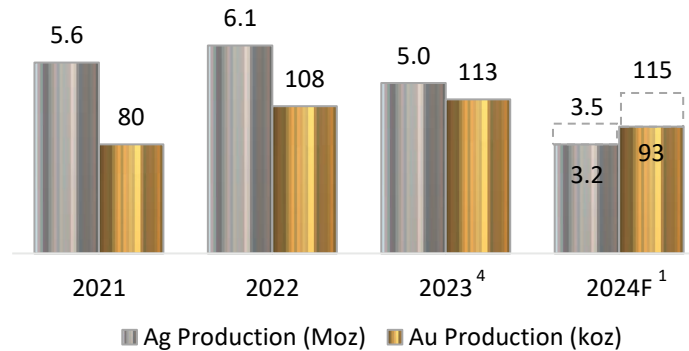
- 2024F figures are based on our 2024 Operating Outlook. Plant Throughput based on the midpoint of the expected range. Please refer to the Company's MD&A for the period ended December 31, 2023 for our 2024 Operating Outlook and to the Cautionary Note on slides 2 and 3 of this presentation.
- AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended September 30, 2024 for a detailed description of these measures. AISC figures for 2021 – 2022 are re-calculated using Pan American's accounting treatment for illustrative purposes.
- Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 47 - 53 of this presentation for detail of our Mineral Reserves and Resources.
- Production figures for 2023 represent the full year of production, including the three months that the asset was owned and operated by Yamana. AISC figures for 2023 are for the nine months that the asset was owned and operated by Pan American.
- Yamana reported AISC figures based on GEO ounces and is not consistent with Pan American's treatment. However, for comparison purposes we have recalculated AISC figures from \$1,228 per GEO to \$8.66 per Ag ounce and \$1,241 per GEO to \$5.34 per Ag ounce for 2021 and 2022, respectively.
- Yamana's accounting treatment for AISC is not consistent with Pan American's accounting treatment. Thus, Pan American's accounting treatment has been applied retroactively for comparative purposes.

Opportunities

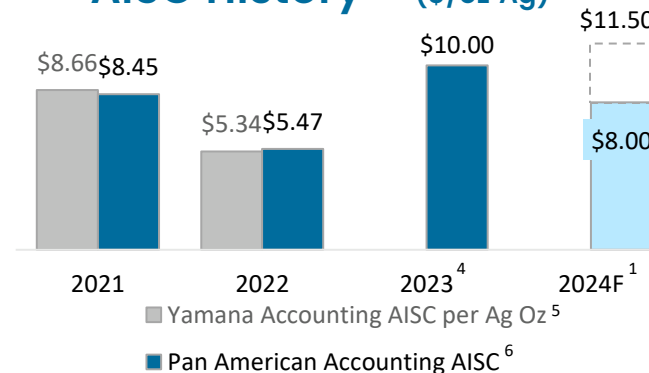


Possible reduction in costs will allow us to convert previously uneconomic lower-grade resources to reserves

Production History



AISC History⁽²⁾ (\$/oz Ag)



MINE OVERVIEW

3.2 – 3.5 Moz Ag
93 – 115 koz Au

2024F Production¹

~1,100 tpd

2024F Plant Throughput¹

\$8.00 – \$11.50

2024F Ag AISC^{1,2}

7.5 Moz Ag
246 koz Au

P&P Reserves³

6.3 Moz Ag
92 koz Au

M&I Resources³

3.6 Moz Ag
150 koz Au

Inferred Resources³

DOLORES

Au

Ag

TYPE	LOCATION	OWNERSHIP
------	----------	-----------

Open-Pit Mine

Chihuahua, Mexico

100%

- Dolores is an open-pit mine that produces gold and silver dore using a novel pulp agglomeration and heap leaching operation. The operation is included in Pan American’s Gold Segment
- Mining activities from known ore reserves are expected to be completed in Q3 2024; operation continues to process low-grade stockpiles until Q1 2025 with residual leaching to follow for years thereafter
- As estimated in the 2022 Technical Report⁴, gold production is expected to continue for 3 years following the cessation of stacking; silver follows a longer leach curve and recoveries are expected to continue for 8 years
- The remaining metal to be recovered during the leach phase will also depend on cost reduction initiatives to maintain profitability while in residual leaching

1.

2024F figures are based on our 2024 Operating Outlook. Plant Throughput based on the midpoint of the expected range. Please refer to the Company’s MD&A for the period ended December 31, 2023 for our 2024 Operating Outlook and to the Cautionary Note on slides 2 and 3 of this presentation.

2.

AISC is a non-GAAP measure. Please refer to the section “Alternative Performance (Non-GAAP) Measures” of the MD&A for the period ended September 30, 2024 for a detailed description of these measures.

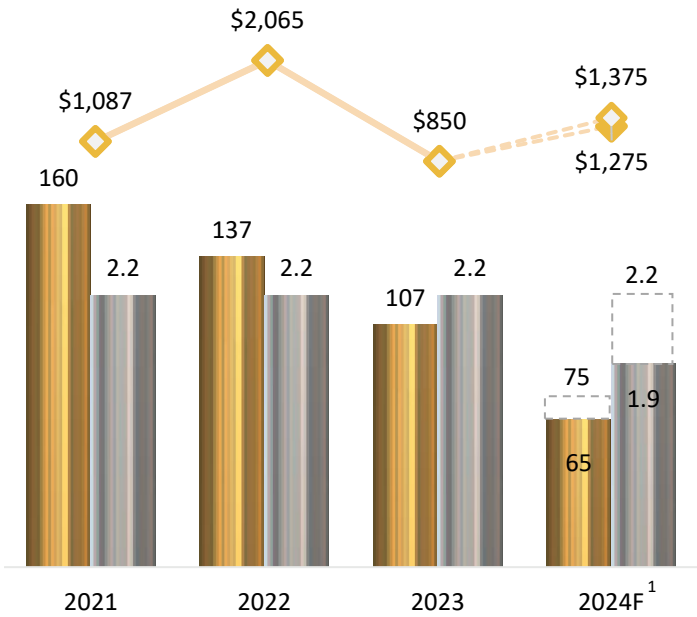
3.

Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 47 - 53 of this presentation for detail of our Mineral Reserves and Resources.

4.

Please refer to the NI 43-101 Technical Report for the Dolores Property dated June 30, 2022.

Production & Cost History



Au Production (koz) Ag Production (Moz) AISC (\$/oz Au)²

MINE OVERVIEW

65 – 75 koz Au

1.9 – 2.2 Moz Ag

2024F Production¹

\$1,275 – \$1,375

2024F Au AISC^{1,2}

Entering

residual

leaching phase

0.6 Moz Ag

13 koz Au

P&P Reserves³

4.4 Moz Ag

68 koz Au

M&I Resources³

1.6 Moz Ag

46 koz Au

Inferred Resources³

CHUBUT, ARGENTINA

NAVIDAD

// One of the largest undeveloped primary silver deposits

- 100% owned silver project
- Project comprises 8 individual mineral deposits in 3 separate mineralized trends
- Scalable production profile with high-grade mineralization at surface
- Development contingent on provincial mining law change
- Care and maintenance costs are minimal to maintain property ownership

Mineral Resources

	Tonnes (Mt)	Grade			Contained Metal		
		Ag (g/t)	Cu (%)	Pb (%)	Ag (Moz)	Cu (kt)	Pb (kt)
M&I Resources	155.2	127	0.06	0.86	632.4	71	1,326
Inferred Resources	45.9	81	0.02	0.57	119.4	9	262

(as of June 30, 2024; see slides 47 - 53 for more detailed information on the Company's reserves and resources and the metal price assumptions used for these estimates.)



LA COLORADA SKARN PEA RESULTS SUMMARY

// 50,000 tpd case

Construction period	6 years
Production mine life	17 years
Production rate	50 ktpd (or 18.25 Mtpa)
Mineable inventory	284.7 million tonnes
Average annual silver produced first 10 years	17.2 million ounces
Average annual zinc produced first 10 years	427 thousand tonnes
Average annual lead produced first 10 years	218 thousand tonnes
Unit operating costs	\$40.88 per tonne
Total revenue	\$23,853 million
Initial capital	\$2,829 million
Total LOM sustaining capital	\$951 million
Total LOM operating cost	\$11,638 million
Cumulative after-tax cash flow	\$5,689 million
After-tax NPV _(5%)	\$2,182 million
After-tax NPV _(6.5%)	\$1,572 million
After-tax NPV _(8%)	\$1,087 million
After-tax IRR	14%
Payback period (after-tax, undiscounted)	4.3 years

Notes:

1. Assumes metal prices of \$2,800 per tonne of zinc, \$2,200 per tonne of lead, and \$22.00 per ounce of silver.
2. The PEA is preliminary in nature, includes inferred mineral resources that would be considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that the preliminary economic assessment will be realized.
3. For additional information, including a sensitivity analysis, please refer to the La Colorada NI 43-101 Technical Report dated January 31, 2024, as amended.

PAN AMERICAN SILVER MINERAL RESERVES

As of June 30, 2024¹

Property	Location	Classification	Tonnes (Mt)	Ag (g/t)	Contained Ag (Moz)	Au (g/t)	Contained Au (koz)	Cu (%)	Contained Cu (kt)	Pb (%)	Contained Pb (kt)	Zn (%)	Contained Zn (kt)
Escobal	Guatemala	Proven	2.5	486	39.5	0.42	34.2	-	-	1.02	25.7	1.75	44.4
		Probable	22.1	316	225.0	0.34	243.8	-	-	0.77	169.9	1.25	275.7
La Colorada	Mexico	Proven	3.2	305	31.4	0.20	20.5	-	-	1.31	42.1	2.28	73.2
		Probable	5.8	296	55.2	0.19	35.3	-	-	1.10	63.5	1.88	108.8
Huaron	Peru	Proven	6.2	173	34.4	-	-	0.48	29.6	1.75	108.7	3.25	201.4
		Probable	3.5	163	18.2	-	-	0.41	14.2	1.86	64.7	3.19	111.0
San Vicente (95%) ⁽²⁾	Bolivia	Proven	0.9	329	9.8	-	-	0.32	2.9	0.30	2.8	3.75	34.7
		Probable	0.5	250	4.3	-	-	0.24	1.3	0.23	1.2	3.31	17.6
Cerro Moro	Argentina	Proven	0.4	272	3.9	5.58	80.4	-	-	-	-	-	-
		Probable	0.6	200	3.6	9.31	165.5	-	-	-	-	-	-
Total Silver Segment ⁽⁴⁾			45.8	289	425.2	0.52	579.7	0.43	48.0	1.07	478.6	1.93	866.8
Jacobina	Brazil	Proven	24.0			1.84	1,420.0	-	-	-	-	-	-
		Probable	30.3			1.79	1,742.3	-	-	-	-	-	-
Shahuindo	Peru	Proven	39.8	8	10.5	0.52	660.4	-	-	-	-	-	-
		Probable	44.7	5	7.2	0.28	398.6	-	-	-	-	-	-
El Peñon	Chile	Proven	0.8	208	5.5	5.46	145.4	-	-	-	-	-	-
		Probable	4.0	131	16.7	3.99	507.4	-	-	-	-	-	-
Timmins	Canada	Proven	5.4			2.79	481.4	-	-	-	-	-	-
		Probable	4.4			2.74	386.2	-	-	-	-	-	-
Minera Florida	Chile	Proven	1.2	23	0.9	3.25	128.7	-	-	-	-	1.11	13.7
		Probable	1.8	22	1.3	3.18	188.0	-	-	-	-	0.91	16.7
La Arena ⁽⁴⁾	Peru	Proven	8.0			0.41	103.7	-	-	-	-	-	-
		Probable	14.7			0.29	137.8	-	-	-	-	-	-
Dolores	Mexico	Proven	1.2	16	0.6	0.35	13.3	-	-	-	-	-	-
		Probable	-	-	-	-	-	-	-	-	-	-	-
Total Gold Segment ⁽³⁾			180.1	14	42.7	1.09	6,313.1	-	-	-	-	0.99	30.4
Total Gold and Silver Segments ⁽³⁾		Proven + Probable	225.9	105	468.0	1.00	6,892.8	0.43	48.0	1.07	478.6	1.87	897.2

⁽¹⁾ See table below entitled "Metal price assumptions used to estimate mineral reserves and mineral resources as at June 30, 2024".

⁽²⁾ This information represents the portion of mineral reserves attributable to Pan American based on its ownership interest in the operation entity as indicated.

⁽³⁾ Totals may not add up due to rounding. Total average grades of each metal are with respect to those mines that produce the metal.

⁽⁴⁾ Pan American has entered into an agreement to sell its interest in La Arena S.A., which owns the La Arena gold mine and the La Arena II copper-gold project; see the news release dated May 1, 2024 for further details.

PAN AMERICAN SILVER MEASURED + INDICATED RESOURCES

as of June 30, 2024^{1,2}

Property	Location	Classification	Tonnes (Mt)	Ag (g/t)	Contained Ag (Moz)	Au (g/t)	Contained Au (koz)	Cu (%)	Pb (%)	Zn (%)
Navidad	Argentina	Measured	15.4	137	67.8	-	-	0.10	1.44	-
		Indicated	139.8	126	564.5	-	-	0.04	0.79	-
La Colorada Skarn	Mexico	Indicated	265.4	36	308.7	-	-	-	1.37	2.85
Escobal	Guatemala	Measured	2.3	251	18.6	0.23	16.7	-	0.31	0.59
		Indicated	14.2	201	91.6	0.20	93.0	-	0.38	0.66
Huaron	Peru	Measured	1.3	196	8.3	-	-	0.62	1.73	3.23
		Indicated	1.8	162	9.4	-	-	0.26	1.76	3.29
La Colorada	Mexico	Measured	0.4	231	2.7	0.11	1.2	-	0.85	1.20
		Indicated	2.1	181	12.2	0.27	18.4	-	0.60	1.02
Manantial Espejo	Argentina	Measured	0.3	164	1.7	2.40	24.7	-	-	-
		Indicated	1.0	149	4.9	2.79	91.5	-	-	-
Cerro Moro	Argentina	Measured	0.1	226	0.9	5.48	21.4	-	-	-
		Indicated	0.5	347	5.5	4.50	70.7	-	-	-
San Vicente (95%) ⁽³⁾	Bolivia	Measured	0.7	180	4.1	-	-	0.21	0.22	2.55
		Indicated	0.3	203	1.8	-	-	0.21	0.23	2.88
Joaquin	Argentina	Measured	0.1	360	1.5	0.28	1.2	-	-	-
		Indicated	0.4	351	4.2	0.28	3.4	-	-	-
Total Silver Segment ⁽⁴⁾			446.1	77	1,108.4	0.50	342.2	0.05	1.15	2.71

⁽¹⁾ See table below entitled "Metal price assumptions used to estimate mineral reserves and mineral resources as at June 30, 2024".

⁽²⁾ Mineral resources are reported exclusive of mineral reserves.

⁽³⁾ This information represents the portion of mineral resources attributable to Pan American based on its ownership interest in the operating entity as indicated.

⁽⁴⁾ Totals may not add up due to rounding. Total average grades of each metal are with respect to those mines that produce the metal.

PAN AMERICAN SILVER MEASURED + INDICATED RESOURCES

as of June 30, 2024^{1,2}

Property	Location	Classification	Tonnes (Mt)	Ag (g/t)	Contained Ag (Moz)	Au (g/t)	Contained Au (koz)	Cu (%)	Pb (%)	Zn (%)
Jacobina	Brazil	Measured	39.7			1.70	2,175.1	-	-	-
		Indicated	55.1			1.58	2,796.0	-	-	-
La Arena II ⁽⁵⁾	Peru	Measured	152.2			0.25	1,246.1	0.38	-	-
		Indicated	554.3			0.23	4,042.7	0.37	-	-
La Pepa (80%) ⁽³⁾	Chile	Measured	47.1			0.61	922.8	-	-	-
		Indicated	52.3			0.49	824.3	-	-	-
El Peñon	Chile	Measured	1.6	166	8.3	5.25	262.2	-	-	-
		Indicated	3.8	112	13.8	3.44	423.1	-	-	-
Minera Florida	Chile	Measured	1.9	17	1.1	3.26	202.6	-	-	1.30
		Indicated	4.1	19	2.5	3.54	467.6	-	-	1.08
La Bolsa	Mexico	Measured	10.8	10	3.5	0.70	242.8	-	-	-
		Indicated	10.6	8	2.7	0.54	184.3	-	-	-
Lavra Velha	Brazil	Indicated	4.5			1.96	282.1	-	-	-
Pico Machay	Peru	Measured	4.7			0.91	137.5	-	-	-
		Indicated	5.9			0.67	127.1	-	-	-
Timmins	Canada	Measured	1.1			2.48	85.5	-	-	-
		Indicated	1.3			2.76	114.2	-	-	-
Shahuindo	Peru	Measured	8.8	7	2.0	0.38	108.5	-	-	-
		Indicated	6.8	6	1.2	0.34	74.2	-	-	-
Vogel	Canada	Indicated	2.2			1.75	125.0	-	-	-
Gold River	Canada	Indicated	0.7			5.29	117.4	-	-	-
Whitney(83.27%) ⁽³⁾	Canada	Measured	0.0			0.00	0.0	-	-	-
		Indicated	0.6			3.77	77.9	-	-	-
Marlhill	Canada	Indicated	0.4			4.52	57.4	-	-	-
Dolores	Mexico	Measured	3.0	30	2.9	0.41	39.4	-	-	-
		Indicated	0.6	73	1.5	1.40	28.8	-	-	-
La Arena ⁽⁵⁾	Peru	Measured	0.9			0.29	8.7	-	-	-
		Indicated	1.4			0.19	8.9	-	-	-
Total Gold Segment⁽⁴⁾			976.5	24	39.6	0.48	15,182.2	0.37		1.15
Total Gold and Silver Segments⁽⁴⁾		Measured + Indicated	1,422.6	72	1,148.0	0.48	15,524.3	0.31	1.15	2.68

⁽¹⁾ See table below entitled "Metal price assumptions used to estimate mineral reserves and mineral resources as at June 30, 2024".

⁽²⁾ Mineral resources are reported exclusive of mineral reserves.

⁽³⁾ This information represents the portion of mineral resources attributable to Pan American based on its ownership interest in the operating entity as indicated.

⁽⁴⁾ Totals may not add up due to rounding. Total average grades of each metal are with respect to those mines that produce the metal.

⁽⁵⁾ Pan American has entered into an agreement to sell its interest in La Arena S.A., which owns the La Arena gold mine and the La Arena II copper-gold project; see the news release dated May 1, 2024 for further details.

PAN AMERICAN SILVER INFERRED MINERAL RESOURCES

as of June 30, 2024^{1,2}

Property	Location	Classification	Tonnes (Mt)	Ag (g/t)	Contained Ag (Moz)	Au (g/t)	Contained Au (koz)	Cu (%)	Pb (%)	Zn (%)
Navidad	Argentina	Inferred	45.9	81	119.4	-	-	0.02	0.57	
La Colorada	Mexico	Inferred	12.4	235	93.8	0.19	74.4		1.68	2.95
La Colorada Skarn	Mexico	Inferred	61.7	30	58.6	-	-		0.95	2.55
Huaron	Peru	Inferred	5.2	165	27.5	-	-	0.33	1.73	3.07
San Vicente (95%) ⁽³⁾	Bolivia	Inferred	1.6	213	11.0	-	-	0.23	0.25	2.37
Escobal	Guatemala	Inferred	1.9	180	10.7	0.90	53.7		0.22	0.42
Cerro Moro	Argentina	Inferred	0.7	168	3.6	6.98	149.8	-	-	-
Manantial Espejo	Argentina	Inferred	0.5	106	1.8	1.49	25.2	-	-	-
Joaquin	Argentina	Inferred	0.2	280	1.4	0.25	1.2	-	-	-
Total Silver Segment⁽⁴⁾			130.0	78	327.8	0.61	304.3	0.06	0.90	2.59
Jacobina	Brazil	Inferred	57.1	-	-	1.77	3,249.5	-	-	-
Gold River	Canada	Inferred	5.3	-	-	6.06	1,027.4	-	-	-
El Peñon	Chile	Inferred	18.4	48	28.6	1.38	816.4	-	-	-
Arco Sul	Brazil	Inferred	6.2	-	-	3.08	614.2	-	-	-
Minera Florida	Chile	Inferred	5.4	15	2.7	3.03	531.2	-	-	0.80
Whitney (83.27%) ⁽³⁾	Canada	Inferred	4.0	-	-	3.75	477.7		-	-
Pico Machay	Peru	Inferred	23.9	-	-	0.58	445.7	-	-	-
La Arena II ⁽⁵⁾	Peru	Inferred	66.8	-	-	0.21	445.2	0.24	-	-
Timmins	Canada	Inferred	3.5	-	-	3.37	382.5	-	-	-
La Pepa (80%) ⁽³⁾	Chile	Inferred	20.0	-	-	0.46	296.1	-	-	-
Lavra Velha	Brazil	Inferred	4.7	-	-	1.56	238.0	-	-	-
La Bolsa	Mexico	Inferred	13.7	8	3.3	0.51	224.6	-	-	-
Vogel	Canada	Inferred	1.5	-	-	3.60	168.8	-	-	-
Shahuindo	Peru	Inferred	17.3	4	2.1	0.21	115.8	-	-	-
Dolores	Mexico	Inferred	0.9	56	1.6	1.65	45.8	-	-	-
La Arena ⁽⁵⁾	Peru	Inferred	5.3	-	-	0.23	39.6	-	-	-
Total Gold Segment⁽⁴⁾			254.0	21	38.2	1.12	9,118.4	0.24	-	0.80
Total Gold and Silver Segments⁽⁴⁾		Inferred	384.0	61	366.0	1.09	9,422.8	0.16	0.90	2.48

⁽¹⁾ See table below entitled "Metal price assumptions used to estimate mineral reserves and mineral resources as at June 30, 2024".

⁽²⁾ Mineral resources are reported exclusive of mineral reserves.

⁽³⁾ This information represents the portion of mineral resources attributable to Pan American based on its ownership interest in the operating entity as indicated.

⁽⁴⁾ Totals may not add up due to rounding. Total average grades of each metal are with respect to those mines that produce the metal.

⁽⁵⁾ Pan American has entered into an agreement to sell its interest in La Arena S.A., which owns the La Arena gold mine and the La Arena II copper-gold project; see the news release dated May 1, 2024 for further details.

METAL PRICE ASSUMPTIONS USED TO ESTIMATE MINERAL RESERVES & RESOURCES

as of June 30, 2024

Mine	Category	Ag US\$/oz	Au US\$/oz	Cu US\$/t	Pb US\$/t	Zn US\$/t
Escobal	All categories	20.00	1,300		2,204	2,424
La Colorada	Reserves	20.00	1,700	8,000	2,100	2,600
	Resources	22.00	1,850	9,000	2,200	2,800
La Colorada Skarn	Resources	22.00			2,200	2,800
Huaron	Reserves	20.00	1,700	8,000	2,100	2,600
	Resources	22.00	1,850	9,000	2,200	2,800
San Vicente	All categories	20.00	1,700	8,000	2,100	2,600
Cerro Moro	Reserves	21.00	1,850			
	Resources	23.00	1,950			
Navidad	All categories	12.52			1,100	
	Resources	22.00	1,700			
Manantial Espejo	Resources	22.00	1,700			
Joaquin	Resources	22.00	1,700			
Jacobina	Reserves		1,700			
	Resources		1,850			
Shahuindo	Reserves	20.00	1,700			
	Resources	22.00	1,850			
El Peñon	Reserves	20.00	1,700			
	Resources	22.00	1,850			

METAL PRICE ASSUMPTIONS USED TO ESTIMATE MINERAL RESERVES & RESOURCES

as of June 30, 2024

Mine	Category	Ag US\$/oz	Au US\$/oz	Cu US\$/t	Pb US\$/t	Zn US\$/t
Timmins West	Reserves	21.00	1,850			
	Resources	23.00	1,950			
Bell Creek	Reserves	21.00	1,850			
	Resources	23.00	1,950			
Whitney	Resources		1,950			
Minera Florida	Reserves	21.00	1,850		2,100	2,600
	Resources	23.00	1,950		2,200	2,800
La Arena	Reserves	21.00	1,850			
	Resources	23.00	1,950			
La Arena II	All categories		1,500	8,816		
Dolores	Reserves	21.00	1,850			
	Resources	23.00	1,950			
La Pepa	Resources		1,650			
La Bolsa	All categories	14.00	825			
Lavra Velha	Resources		1,650			
Pico Machay	All categories		700			
Vogel	Inside pit		1,150			
	Below pit		1,150			
Gold River	Resources		1,200			
Marlhill	Resources		1,125			
Arco Sul	Resources		1,250			

GENERAL NOTES APPLICABLE TO THE FOREGOING TABLES:

All mineral reserves and mineral resources have been estimated in accordance with the *CIM Definition Standards on Mineral Resources and Mineral Reserves*, adopted by the CIM Council, as amended (the "CIM Standards") and reported in accordance with National Instrument 43-101 – *Standards of Disclosure for Mineral Projects* ("NI 43-101"). Mineral resources are reported exclusives of mineral reserves.

Pan American does not expect these mineral reserve and mineral resource estimates to be materially affected by metallurgical, environmental, permitting, legal, taxation, socio-economic, political, and marketing or other relevant issues.

The Company has undertaken a verification process with respect to the data disclosed in this presentation. The mineral resource and mineral reserves databases comprising drilling and, in some cases, surface and underground sampling, have been compiled at each of the Pan American mine sites by the qualified staff. All the assay data used in the resource evaluation provided by each of the mines has been subjected to the industry standard quality assurance and quality control ("QA/QC") program including the submission of certified standards, blanks, and duplicate samples. The results are reviewed monthly by management. The results of the QA/QC samples submitted for the resource databases demonstrate acceptable accuracy and precision. The Qualified Person is of the opinion that the sample preparation, analytical, and security procedures followed for the samples are sufficient and reliable for the purpose of these mineral resource and mineral reserve estimates. Pan American is not aware of any drilling, sampling, recovery or other factors that could materially affect the accuracy or reliability of the data reported herein.

Quantities and grades of contained metal are shown before metallurgical recoveries.

Technical information contained in this presentation with respect to Pan American has been reviewed and approved by Christopher Emerson, FAusIMM., Vice President of Exploration and Geology, and Martin Wafforn, P.Eng., Senior Vice President Technical Services and Process Optimization, who are each Qualified Persons for the purposes of NI 43-101.

Pan American Silver Corp. is authorized by The Association of Professional Engineers and Geoscientists of the Province of British Columbia to engage in Reserved Practice under Permit to Practice number 1001470

Please refer to the disclosure under the headings "Technical Information" and "Cautionary Note to U.S. Investors Concerning Estimates of Mineral Reserves and Resources" on slide 2 of this presentation.



PAN AMERICAN
— SILVER —

Siren Fisekci

VP, INVESTOR RELATIONS & CORPORATE COMMUNICATIONS

+1.604.806.3191 | ir@panamericansilver.com

panamericansilver.com

Suite 2100, 733 Seymour St
Vancouver, BC, V6B 0S6

