

2021 RESULTS PRESENTATION

MARCH 10, 2022

Franco  **Nevada**

FNV: TSX | NYSE





CAUTIONARY STATEMENT

Forward Looking Statements

This presentation contains “forward looking information” and “forward looking statements” within the meaning of applicable Canadian securities laws and the United States Private Securities Litigation Reform Act of 1995, respectively, which may include, but are not limited to, statements with respect to future events or future performance, management’s expectations regarding Franco-Nevada’s growth, results of operations, estimated future revenues, performance guidance, carrying value of assets, future dividends and requirements for additional capital, mineral reserve and mineral resource estimates, production estimates, production costs and revenue, future demand for and prices of commodities, expected mining sequences, business prospects and opportunities, the performance and plans of third party operators, audits being conducted by the Canada Revenue Agency (“CRA”), the expected exposure for current and future assessments and available remedies, the remedies relating to and consequences of the ruling of the Supreme Court of Panama in relation to the Cobre Panama project, the aggregate value of Common Shares which may be issued pursuant to the Company’s at-the-market equity program (the “ATM Program”), and the Company’s expected use of the net proceeds of the ATM Program, if any. In addition, statements (including data in tables) relating to reserves and resources including reserves and resources covered by a royalty, stream or other interest, gold equivalent ounces (“GEOs”) or mine lives are forward looking statements, as they involve implied assessment, based on certain estimates and assumptions, and no assurance can be given that the estimates and assumptions are accurate and that such reserves and resources, mine lives and GEOs will be realized. Such forward looking statements reflect management’s current beliefs and are based on information currently available to management. Often, but not always, forward looking statements can be identified by the use of words such as “plans”, “expects”, “is expected”, “budgets”, “potential for”, “scheduled”, “estimates”, “forecasts”, “predicts”, “projects”, “intends”, “targets”, “aims”, “anticipates” or “believes” or variations (including negative variations) of such words and phrases or may be identified by statements to the effect that certain actions “may”, “could”, “should”, “would”, “might” or “will” be taken, occur or be achieved. Forward looking statements involve known and unknown risks, uncertainties and other factors, which may cause the actual results, performance or achievements of Franco-Nevada to be materially different from any future results, performance or achievements expressed or implied by the forward looking statements. A number of factors could cause actual events or results to differ materially from any forward looking statement, including, without limitation: the price at which Common Shares are sold in the ATM Program and the aggregate net proceeds received by the Company as a result of the ATM Program; fluctuations in the prices of the primary commodities that drive royalty and stream revenue (gold, platinum group metals, copper, nickel, uranium, silver, iron-ore and oil and gas); fluctuations in the value of the Canadian and Australian dollar, Mexican peso and any other currency in which revenue is generated, relative to the U.S. dollar; changes in national and local government legislation, including permitting and licensing regimes and taxation policies and the enforcement thereof; the adoption of a global minimum tax on corporations; regulatory, political or economic developments in any of the countries where properties in which Franco-Nevada holds a royalty, stream or other interest are located or through which they are held; risks related to the operators of the properties in which Franco-Nevada holds a royalty, stream or other interest, including changes in the ownership and control of such operators; relinquishment or sale of mineral properties; influence of macroeconomic developments; business opportunities that become available to, or are pursued by Franco-Nevada; reduced access to debt and equity capital; litigation; title, permit or license disputes related to interests on any of the properties in which Franco-Nevada holds a royalty, stream or other interest; whether or not Franco-Nevada is determined to have “passive foreign investment company” (“PFIC”) status as defined in Section 1297 of the United States Internal Revenue Code of 1986, as amended; potential changes in Canadian tax treatment of offshore streams; excessive cost escalation as well as development, permitting, infrastructure, operating or technical difficulties on any of the properties in which Franco-Nevada holds a royalty, stream or other interest; access to sufficient pipeline capacity; actual mineral content may differ from the reserves and resources contained in technical reports; rate and timing of production differences from resource estimates, other technical reports and mine plans; risks and hazards associated with the business of development and mining on any of the properties in which Franco-Nevada holds a royalty, stream or other interest, including, but not limited to unusual or unexpected geological and metallurgical conditions, slope failures or cave-ins, flooding and other natural disasters, terrorism, civil unrest or an outbreak of contagious disease; the impact of the COVID-19 (coronavirus) pandemic; and the integration of acquired assets. The forward looking statements contained in this presentation are based upon assumptions management believes to be reasonable, including, without limitation: the ongoing operation of the properties in which Franco-Nevada holds a royalty, stream or other interest by the owners or operators of such properties in a manner consistent with past practice; the accuracy of public statements and disclosures made by the owners or operators of such underlying properties; no material adverse change in the market price of the commodities that underlie the asset portfolio; Franco-Nevada’s ongoing income and assets relating to determination of its PFIC status; no material changes to existing tax treatment; the expected application of tax laws and regulations by taxation authorities; the expected assessment and outcome of any audit by any taxation authority; no adverse development in respect of any significant property in which Franco-Nevada holds a royalty, stream or other interest; the accuracy of publicly disclosed expectations for the development of underlying properties that are not yet in production; integration of acquired assets; and the absence of any other factors that could cause actions, events or results to differ from those anticipated, estimated or intended. However, there can be no assurance that forward looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Investors are cautioned that forward looking statements are not guarantees of future performance. In addition, there can be no assurance as to the outcome of the ongoing audit by the CRA or the Company’s exposure as a result thereof. Franco-Nevada cannot assure investors that actual results will be consistent with these forward looking statements. Accordingly, investors should not place undue reliance on forward looking statements due to the inherent uncertainty therein.

For additional information with respect to risks, uncertainties and assumptions, please refer to Franco-Nevada’s most recent Annual Information Form filed with the Canadian securities regulatory authorities on www.sedar.com and Franco-Nevada’s most recent Annual Report filed on Form 40-F filed with the SEC on www.sec.gov. The forward-looking statements herein are made as of the date herein only and Franco-Nevada does not assume any obligation to update or revise them to reflect new information, estimates or opinions, future events or results or otherwise, except as required by applicable law.

Non-GAAP Measures

Cash Costs, Cash Costs per GEO sold, Adjusted Net Income, Adjusted Net Income per Share, Adjusted Net Income Margin, Adjusted EBITDA, Adjusted EBITDA per Share, and Adjusted EBITDA Margin are non-GAAP financial measures with no standardized meaning under International Financial Reporting Standards (“IFRS”) and might not be comparable to similar financial measures disclosed by other issuers. For a quantitative reconciliation of each non-GAAP financial measure to the most directly comparable IFRS financial measure, refer to the appendix at the end of this presentation. Further information relating to these Non-GAAP financial measures is incorporated by reference from the “Non-GAAP Financial Measures” section of Franco-Nevada’s MD&A for the year ended December 31, 2021 dated March 9, 2022 filed with the Canadian securities regulatory authorities on SEDAR available at www.sedar.com and with the U.S. Securities and Exchange Commission available on EDGAR at www.sec.gov.

Gold and Gold Equivalent Ounces

Starting in Q4 2021, revenue from Franco-Nevada’s Energy assets are included in the calculation of GEOs. GEOs for comparative periods have been recalculated to conform with the current presentation. For further details, please refer to the appendix at the end of this presentation on GEOs and Non-GAAP Measures.

This presentation does not constitute an offer to sell or a solicitation for an offer to purchase any security in any jurisdiction.



2021 PERFORMANCE VS GUIDANCE

	2020 Actual	2021 Guidance ¹	Q3 2021 Revised Guidance ¹	2021 Actual
Gold and Gold Equivalent Ounces Sold from Mining Assets ²	522k	555k to 585k	590k to 615k	611k
Energy Revenue	\$92M	\$115M to \$135M	\$195M to \$205M	\$210M



Exceeded Revised Energy Guidance

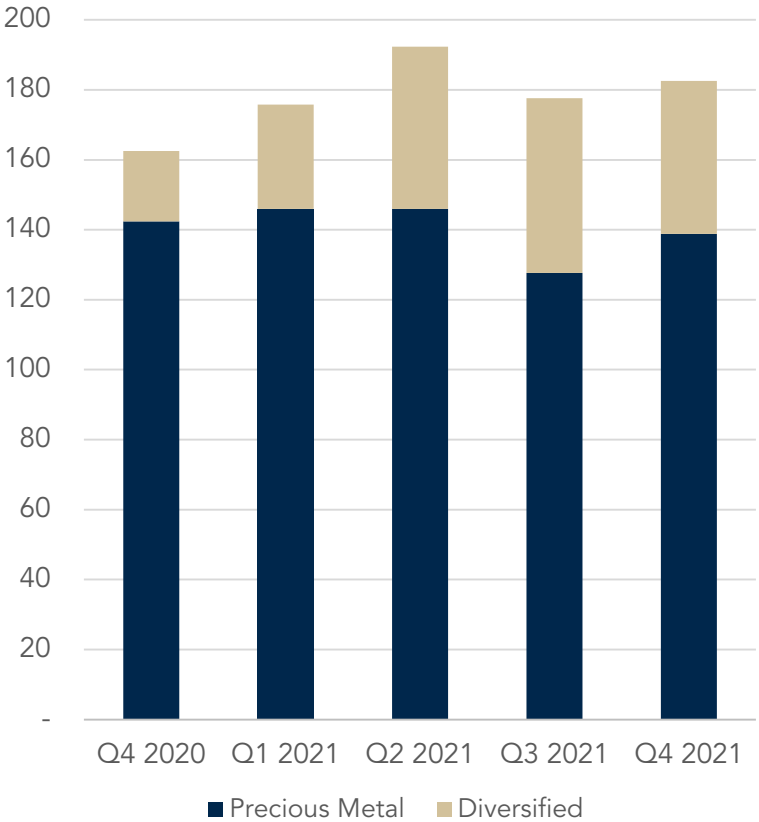
HAYNESVILLE

1. Original 2021 Guidance as published on March 10, 2021. Q3 2021 Revised Guidance as published on November 3, 2021.
2. Please refer to the appendix at the end of this presentation on GEOs and Non-GAAP Measures



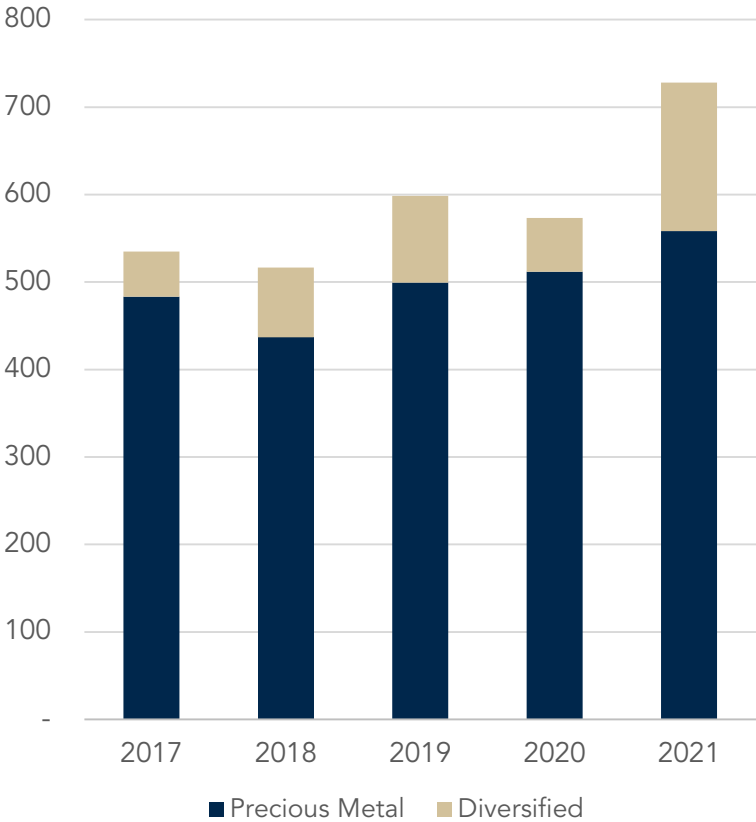
Quarterly Breakdown

(GEOs¹ 000's)



Annual Breakdown

(GEOs¹ 000's)



Record year as portfolio continues to perform

+27% increase in GEOs¹ over 2020

1. Starting in Q4 2021, revenue from Franco-Nevada's Energy assets are included in the calculation of GEOs. GEOs for comparative periods have been recalculated to conform with the current presentation. For further details, please refer to the appendix at the end of this presentation on GEOs and Non-GAAP Measures.



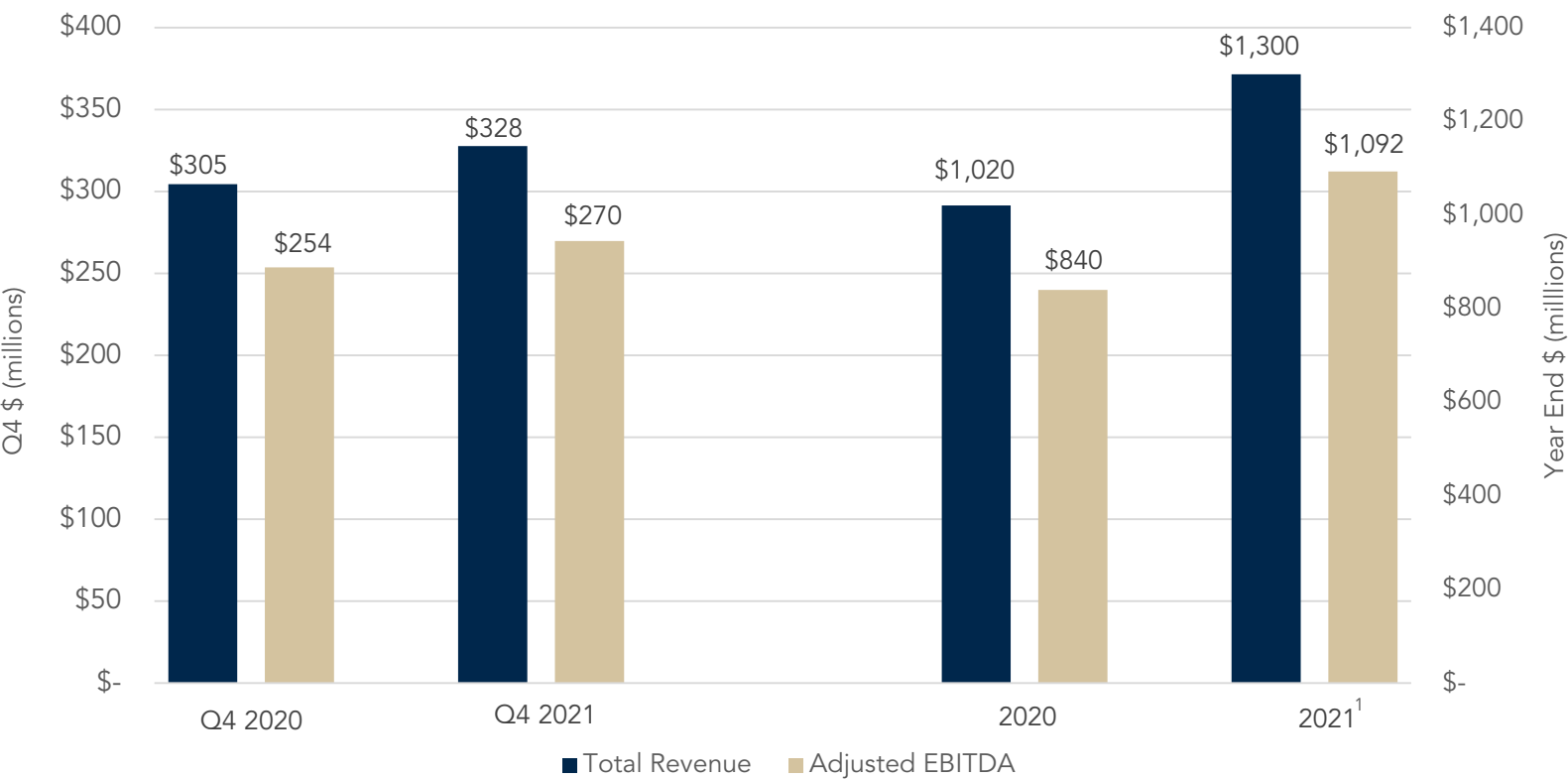
YEAR-OVER-YEAR AVERAGE PRICE CHANGES

	Q4 2021		Year End 2021	
Gold	—	(4.2%)	+	1.7%
Silver	—	(4.4%)	+	22.5%
Platinum	+	6.3%	+	23.4%
Palladium	—	(17.6%)	+	9.3%
Iron Ore 62% Fe CFR China	—	(17.6%)	+	49.5%
Edmonton Light	+	86.3%	+	75.6%
West Texas Intermediate	+	80.9%	+	72.5%
Henry Hub	+	75.1%	+	74.6%

Strong
commodity
prices for the
year



REVENUE AND
ADJUSTED EBITDA PERFORMANCE



Portfolio
performing well

Benefit of
recovery in
energy prices

82.3% margin¹ in
Q4 2021 and
84.0% full year

1. Please refer to the appendix at the end of this presentation on GEOs and Non-GAAP Measures



KEY FINANCIAL METRICS TREND

	Q4 2021	Q4 2020	Variance	2021	2020	Variance
Average Gold Price (\$/oz)	\$1,795	\$1,873	(4.2%)	\$1,800	\$1,770	1.7%
Gold Equivalent Ounces (GEOs) ¹	182,543	162,533	12.3%	728,237	573,347	27.0%
Revenue	\$327.7	\$304.5	7.6%	\$1,300.0	\$1,020.2	27.4%
Adjusted EBITDA ¹ (millions)	\$269.8	\$253.7	6.3%	\$1,092.3	\$839.6	30.1%
Adjusted EBITDA ¹ per share	\$1.41	\$1.33	6.0%	\$5.72	\$4.41	29.7%
Net Income (millions)	\$220.9	\$195.8	12.8%	\$933.7	\$326.2	186.2%
Net Income per share	\$1.16	\$0.93	24.7%	\$3.84	\$1.71	124.6%
Adjusted Net Income ¹ (millions)	\$163.7	\$163.0	0.4%	\$673.6	\$516.3	30.5%
Adjusted Net Income ¹ per share	\$0.86	\$0.85	1.2%	\$3.52	\$2.71	29.9%
Margin ¹	82.3%	83.3%	(1.0%)	84.0%	82.3%	1.7%

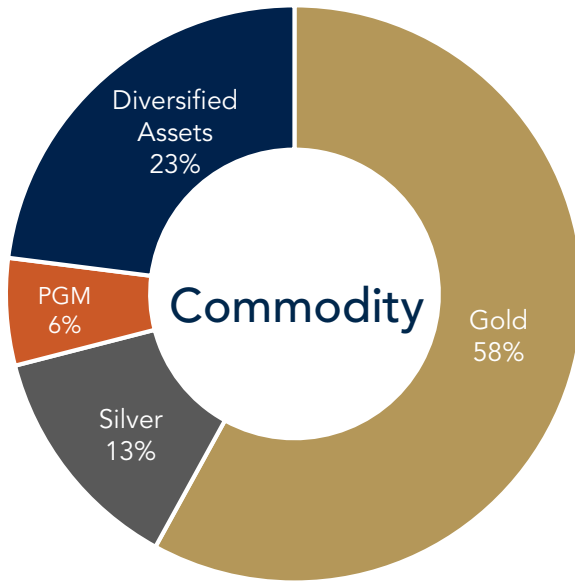
1. Please refer to the appendix at the end of this presentation on GEOs and Non-GAAP Measures

Record

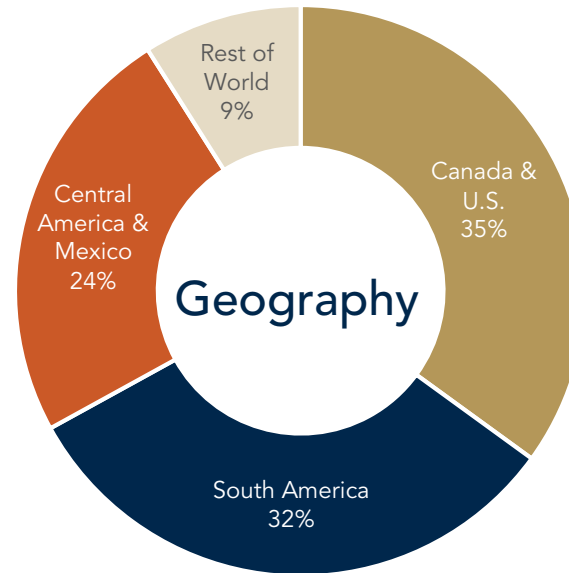


Diversified with Low Risk

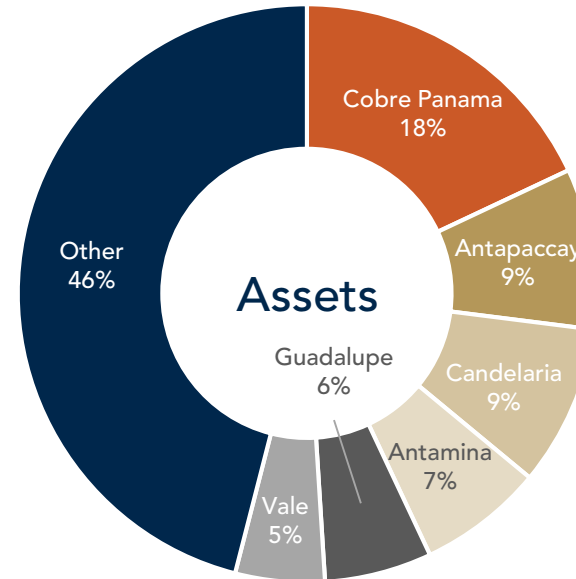
(2021 Revenue)



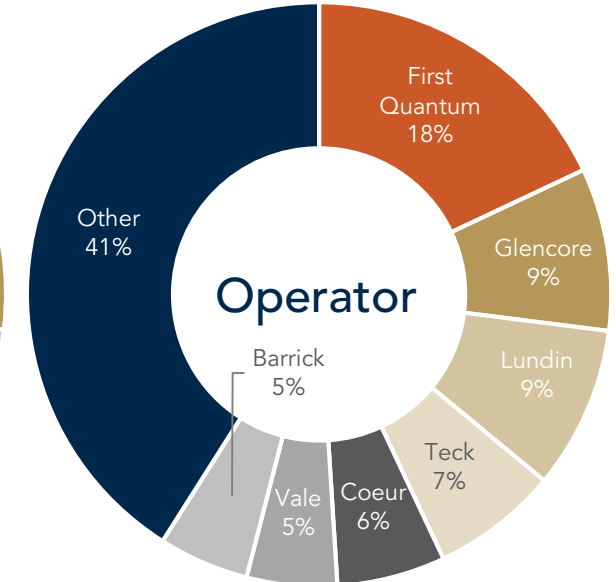
77% from
Precious Metals



91% from
Americas



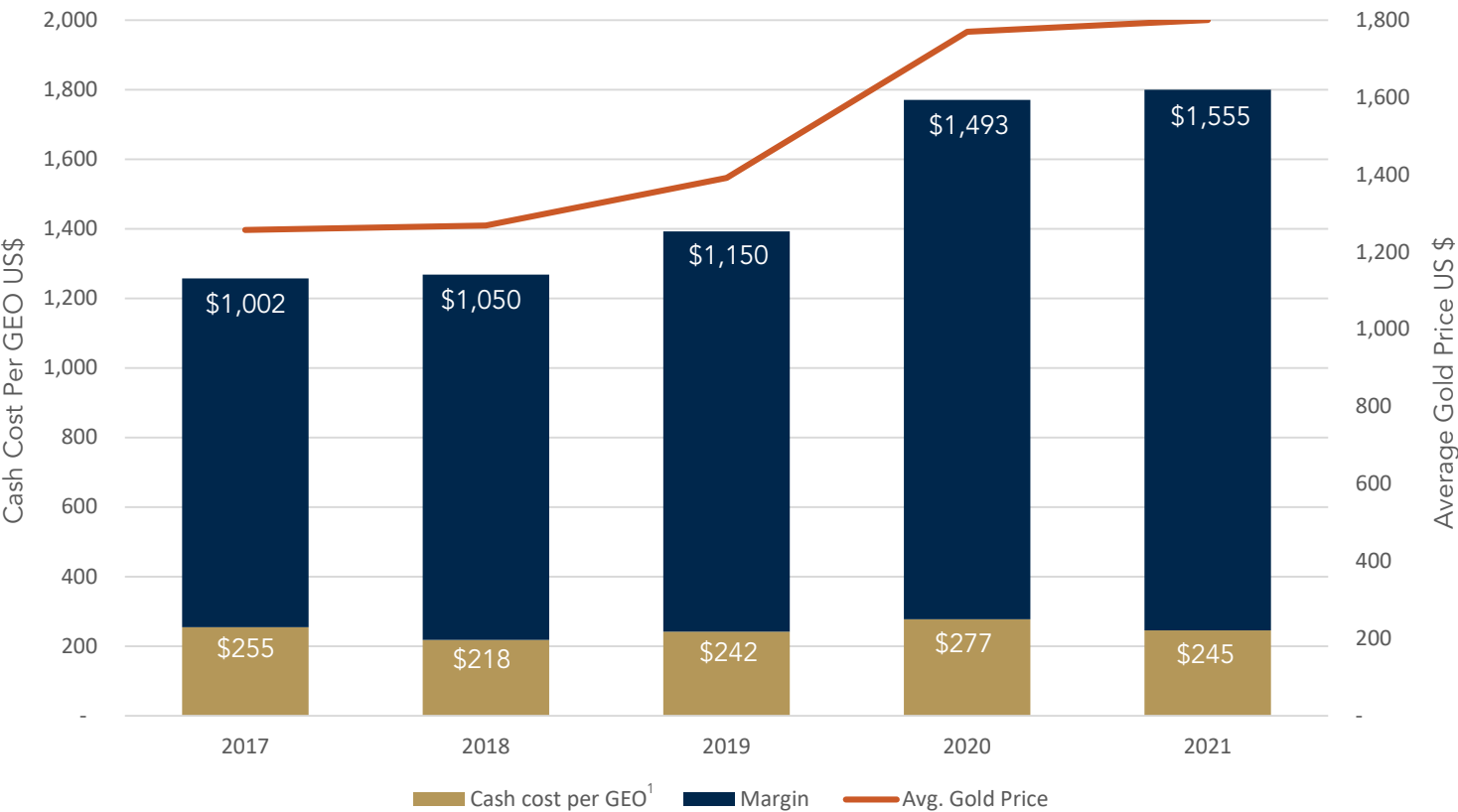
One Asset
> 10%



Operator
Diversification



GROWING GEO MARGIN

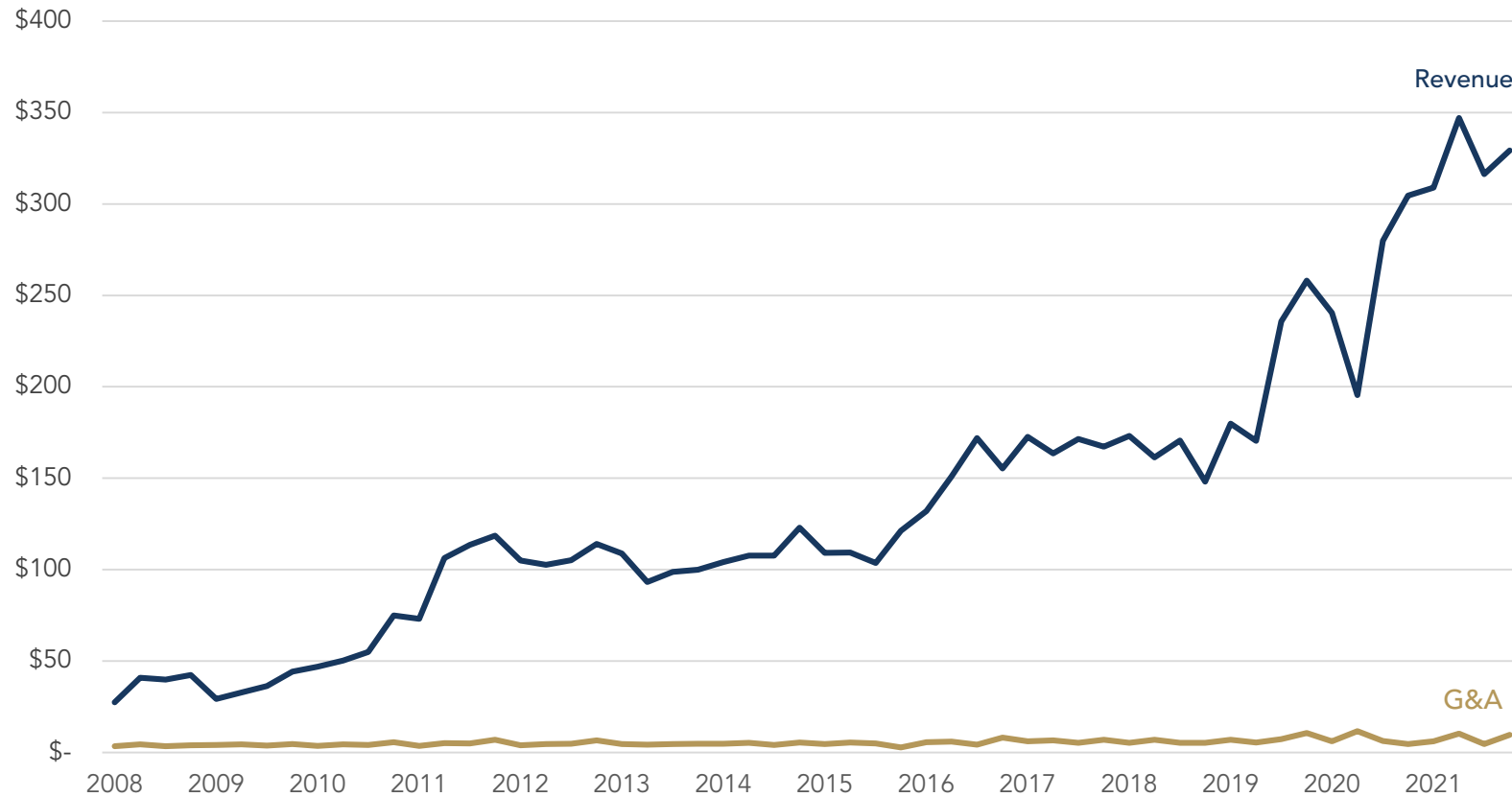


Business model
benefits from rise
in commodity
prices with
consistent cost
structure

1. Composition of Cash Costs and Cash Costs per GEO has been amended to include costs and GEOs related to Franco-Nevada's Energy assets. Please refer to the appendix at the end of this presentation on GEOs and Non-GAAP Measures.



COST EFFICIENT AND SCALABLE



Corporate
Administration
costs and stock
compensation
expenses less
than 3% of
revenue in 2021



GUIDANCE

Total GEOs

2021 Actual

728,237

- + Record GEOs in 2021
- + Energy revenue guidance exceeded
- + Vale royalty acquisition
- + Highest dividend payout from LIORC

2022 Guidance¹

680,000-740,000

- Assumes \$85/bbl WTI oil prices and \$3.75/mcf Henry Hub gas
- Assumes \$125/t 62% CFR China

2026 Outlook¹

765,000-825,000

- + Growth from Precious Metal assets
- + New mines – Rosemont/Copper World
- + Vale royalty attributable production increase

Precious Metal GEOs

2021 Actual

558,397

- + Cobre Panama
- + Antamina, Guadalupe
- + Condestable Acquisition
- Hemlo

2022 Guidance¹

510,000-550,000

- + Tasiast, Subika
- Guadalupe, Antamina, Antapaccay

2026 Outlook¹

570,000-610,000

- + Cobre Panama expansion completed
- + New mines – Salares Norte, Greenstone (Hardrock), Valentine Lake, Eskay Creek
- + Sudbury still producing
- MWS – cap met in 2024

Funding Commitments

\$92 million Continental Royalty Acquisition
Venture funding

Depletion

Estimate \$270-\$300 million

1. 2022 Guidance and 2026 Outlook as published on March 9, 2022. Assuming: \$1,800/oz Au, \$23.00/oz Ag, \$1,000/oz Pt, \$2,100/oz Pd, \$125/tonne Fe 62% CFR China, \$85/bbl WTI oil and \$3.75/mcf Henry Hub natural gas



CRA AUDIT (2012 - 2017)

	Taxation Years Reassessed	Potential Income Tax Payable ¹	Potential Interest & Penalties ^{1,4,5}
Canadian Domestic Tax Matters ⁶	2014, 2015, 2016	\$9.0M (C\$11.4M) ²	\$2.4M (C\$2.9M)
Transfer Pricing (Mexican Subsidiary)	2013, 2014, 2015, 2016	\$23.6M (C\$29.9M) ³	\$19.7M (C\$24.8M)
Transfer Pricing (Barbadian Subsidiary)	2014, 2015, 2016, 2017	\$36.4M (C\$46.2M)	\$24.3M (C\$30.8M)
Foreign Accrual Property Income (Barbadian Subsidiary)	2012, 2013	\$6.0M (C\$7.7M)	\$2.8M (C\$3.7M)

Franco-Nevada does not believe that the reassessments are supported by Canadian tax law and jurisprudence and intends to vigorously defend its tax filing positions.

1. Canadian dollar amounts in this table have been converted to US dollars at the exchange rate applicable at December 31, 2021 as quoted by the Bank of Canada

2. Tax payable after applying available non-capital losses and other deductions

3. Tax payable before any double taxation relief under the Canada-Mexico tax treaty

4. Includes transfer pricing penalties: \$10.1M (C\$12.8M) for 2013-2015; \$13.3M (C\$16.8M) for 2016-2017 currently under review

5. Interest calculated to December 31, 2021

6. On February 7, 2022, the Company received a proposal letter in which the CRA proposes to reassess the 2017 taxation year on the same basis as 2014-2016 that would result in an incremental payment of Canadian tax of approximately \$6.7M (C\$8.4M) plus interest and applicable penalties



AVAILABLE CAPITAL



Cash and cash
equivalents¹
\$539.3M



Credit
Facilities^{1, 2}
≈\$1.1B



Available
capital³
\$1.6B
DEBT FREE

1. As at December 31, 2021

2. Facilities include \$1B Corporate, \$100M Barbados

3. Funding commitments subsequent to December 31, 2021 will be funded with cash flow from operations

THANK YOU FOR YOUR INTEREST IN



Leading
track record



Low-risk
business model



Diversified
portfolio



Growth
and optionality

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APPENDIX – GEOS AND NON-GAAP MEASURES

- Starting in Q4 2021, revenue from Franco-Nevada's Energy assets are included in the calculation of GEOs. GEOs for comparative periods have been recalculated to conform with the current presentation. GEOs include Franco-Nevada's attributable share of production from our Mining and Energy assets, after applicable recovery and payability factors. GEOs are estimated on a gross basis for NSR royalties and, in the case of stream ounces, before the payment of the per ounce contractual price paid by the Company. For NPI royalties, GEOs are calculated taking into account the NPI economics. Silver, platinum, palladium, iron ore, oil, gas and other commodities are converted to GEOs by dividing associated revenue, which includes settlement adjustments, by the relevant gold price. The price used in the computation of GEOs earned from a particular asset varies depending on the royalty or stream agreement, which may make reference to the market price realized by the operator, or the average price for the month, quarter, or year in which the commodity was produced or sold.

Average Prices and Rates

		For the three months ended December 31,		For the year ended December 31,	
		2021	2020	2021	2020
Gold	(\$/oz)	\$ 1,795	\$ 1,873	\$ 1,800	\$ 1,770
Silver	(\$/oz)	\$ 23.32	\$ 24.39	\$ 25.17	\$ 20.55
Platinum	(\$/oz)	\$ 998	\$ 939	\$ 1,091	\$ 884
Palladium	(\$/oz)	\$ 1,935	\$ 2,348	\$ 2,397	\$ 2,194
Iron Ore Fines 62% Fe CFR China	(\$/tonne)	\$ 108	\$ 131	\$ 160	\$ 107
Edmonton Light	(C\$/bbl)	\$ 92.11	\$ 49.45	\$ 80.29	\$ 45.72
West Texas Intermediate	(\$/bbl)	\$ 77.19	\$ 42.68	\$ 67.91	\$ 39.36
Henry Hub	(\$/mcf)	\$ 4.85	\$ 2.77	\$ 3.72	\$ 2.13

- Non-GAAP financial measures: Cash Costs, Cash Costs per GEO sold, Adjusted Net Income, Adjusted Net Income per Share, Adjusted Net Income Margin, Adjusted EBITDA, Adjusted EBITDA per share, and Adjusted EBITDA Margin are non-GAAP financial measures with no standardized meaning under IFRS and might not be comparable to similar financial measures disclosed by other issuers. For a quantitative reconciliation of each non-GAAP financial measure to the most directly comparable IFRS financial measure, refer to the following tables. Further information relating to these Non-GAAP financial measures is incorporated by reference from the "Non-GAAP Financial Measures" section of Franco-Nevada's MD&A for the year ended December 31, 2021 dated March 9, 2022 filed with the Canadian securities regulatory authorities on SEDAR available at www.sedar.com and with the U.S. Securities and Exchange Commission available on EDGAR at www.sec.gov. Starting in Q4 2021, revenue from Franco-Nevada's Energy assets are included in the calculation of GEOs. Similarly, the composition of Cash Costs and Cash Costs per GEO has been amended to include costs and GEOs related to Franco-Nevada's Energy assets. Cash Costs and Cash Costs per GEO for comparative periods have been recalculated to conform with current presentation.

Cash Costs

(expressed in millions, except per GEO amounts)

		For the three months ended December 31,		For the year ended December 31,	
		2021	2020	2021	2020
Total costs of sales		\$ 126.6	\$ 114.2	\$ 477.9	\$ 399.8
Depletion and depreciation		(78.2)	(67.5)	(299.6)	(241.0)
Cash Costs		\$ 48.4	\$ 46.7	\$ 178.3	\$ 158.8
GEOs		182,543	162,533	728,237	573,347
Cash Costs per GEO sold		\$ 265	\$ 287	\$ 245	\$ 277

Adjusted Net Income

(expressed in millions, except per share amounts)

		For the three months ended December 31,		For the year ended December 31,	
		2021	2020	2021	2020
Net income		\$ 220.9	\$ 176.7	\$ 733.7	\$ 326.2
Impairment (reversals) and charges		(75.5)	(9.6)	(68.0)	262.1
Foreign exchange loss (gain) and other (income) expenses		1.3	(2.5)	3.0	(2.8)
Tax effect of adjustments		19.3	(1.6)	17.8	(69.2)
Other tax related adjustments:					
Recognition of previously unrecognized deferred tax assets		(2.3)	—	(12.9)	—
Adjusted Net Income		\$ 163.7	\$ 163.0	\$ 673.6	\$ 516.3
Basic weighted average shares outstanding		191.2	190.9	191.1	190.3
Adjusted Net Income per share		\$ 0.86	\$ 0.85	\$ 3.52	\$ 2.71

Adjusted Net Income Margin

(expressed in millions, except per share amounts)

		For the three months ended December 31,		For the year ended December 31,	
		2021	2020	2021	2020
Adjusted Net Income		\$ 163.7	\$ 163.0	\$ 673.6	\$ 516.3
Revenue		327.7	304.5	1,300.0	1,020.2
Adjusted Net Income Margin		50.0%	53.5%	51.8%	50.6%

Adjusted EBITDA

(expressed in millions, except per share amounts)

		For the three months ended December 31,		For the year ended December 31,	
		2021	2020	2021	2020
Net income		\$ 220.9	\$ 176.7	\$ 733.7	\$ 326.2
Income tax expense		44.7	21.5	124.1	13.3
Finance expenses		0.9	0.8	3.6	3.5
Finance income		(0.7)	(0.7)	(3.7)	(3.7)
Depletion and depreciation		78.2	67.5	299.6	241.0
Impairment (reversals) and charges		(75.5)	(9.6)	(68.0)	262.1
Foreign exchange loss (gain) and other (income) expenses		1.3	(2.5)	3.0	(2.8)
Adjusted EBITDA		\$ 269.8	\$ 253.7	\$ 1,092.3	\$ 839.6
Basic weighted average shares outstanding		191.2	190.9	191.1	190.3
Adjusted EBITDA per share		\$ 1.41	\$ 1.33	\$ 5.72	\$ 4.41

Adjusted EBITDA Margin

(expressed in millions, except Margin)

		For the three months ended December 31,		For the year ended December 31,	
		2021	2020	2021	2020
Adjusted EBITDA		\$ 269.8	\$ 253.7	\$ 1,092.3	\$ 839.6
Revenue		327.7	304.5	1,300.0	1,020.2
Margin		82.3%	83.3%	84.0%	82.3%