

2015 ANNUAL AND SPECIAL MEETING

May 13, 2015



2015 Annual and Special Meeting of Shareholders of Silver Standard Resources Inc. is in progress

SILVER STANDARD

Cautionary Notes

Cautionary Note Regarding Forward-Looking Statements
This presentation contains "forward-looking information" within the meaning of Canadian securities laws and "forward-looking statements" within the meaning of the U.S. Private Securities Litigation Reform Act of 1995 (collectively, "forward-looking statements") concerning the anticipated developments in our operations in future periods, our planned exploration and development activities, the adequacy of our financial resources and other events or conditions that may occur or exist in the future. These statements relate to analyses and other information that are based on forecasts of future results, estimates of amounts not yet determinable and assumptions of management.

Generally, forward-looking statements can be identified by the use of words or phrases such as "expects," "anticipates," "plans," "projects," "estimates," "assumes," "intends," "strategy," "goals," "objectives," "potential" or variations thereof, or stating that certain actions, events or results "may," "could," "would," "might" or "will" be taken, occur or be achieved, or the negative of any of these terms or similar expressions. These forward-looking statements are subject to a variety of risks, uncertainties and other factors that could cause actual events or results to differ from those expressed or implied, including, without limitation, risks and uncertainties related to: production, development plans and cost estimates for our mineral properties; our ability to replace Mineral Reserves; commodity price fluctuations; political or economic instability and unexpected regulatory changes; currency fluctuations; general economic conditions; fully realizing our interest in Pretium Resources Inc. and our other marketable securities; potential export duty and related interest on current and past production of silver concentrate from the Pirquitas mine; counterparty and market risks related to the sale of our concentrate and metals; Mineral Reserves and Mineral Resources estimates and our ability to extract mineralization profitably; future exploration and development; our ability to obtain adequate financing; our ability to attract and retain qualified personnel and management and potential labour unrest; governmental regulations, including health, safety and environmental regulations, increased costs and restrictions on operations due to compliance with such regulations; reclamation and closure requirements for our mineral properties; unpredictable risks and hazards related to the development and operation of a mine or mineral property that are beyond our control; assessments by taxation authorities in multiple jurisdictions, including the recent reassessment by the Canada Revenue Agency; claims and legal proceedings, including adverse rulings in current or future litigation; compliance with anti-corruption laws and increased regulatory compliance costs; recoverability of deferred consideration to be received in connection with recent divestitures; title to our mineral properties and the ability to obtain surface rights; operational safety and security; our ability to access, when required, mining equipment and services; competition in the mining industry for mineral properties; shortage or poor quality of equipment or supplies; our ability to complete and successfully integrate an announced acquisition; certain terms of our convertible notes; and those other various risks and uncertainties identified under the heading "Risk Factors" in our most recent Annual Information Form filed with the Canadian securities regulatory authorities and Annual Report on Form 40-F filed with the U.S. Securities and Exchange Commission (the "SEC").

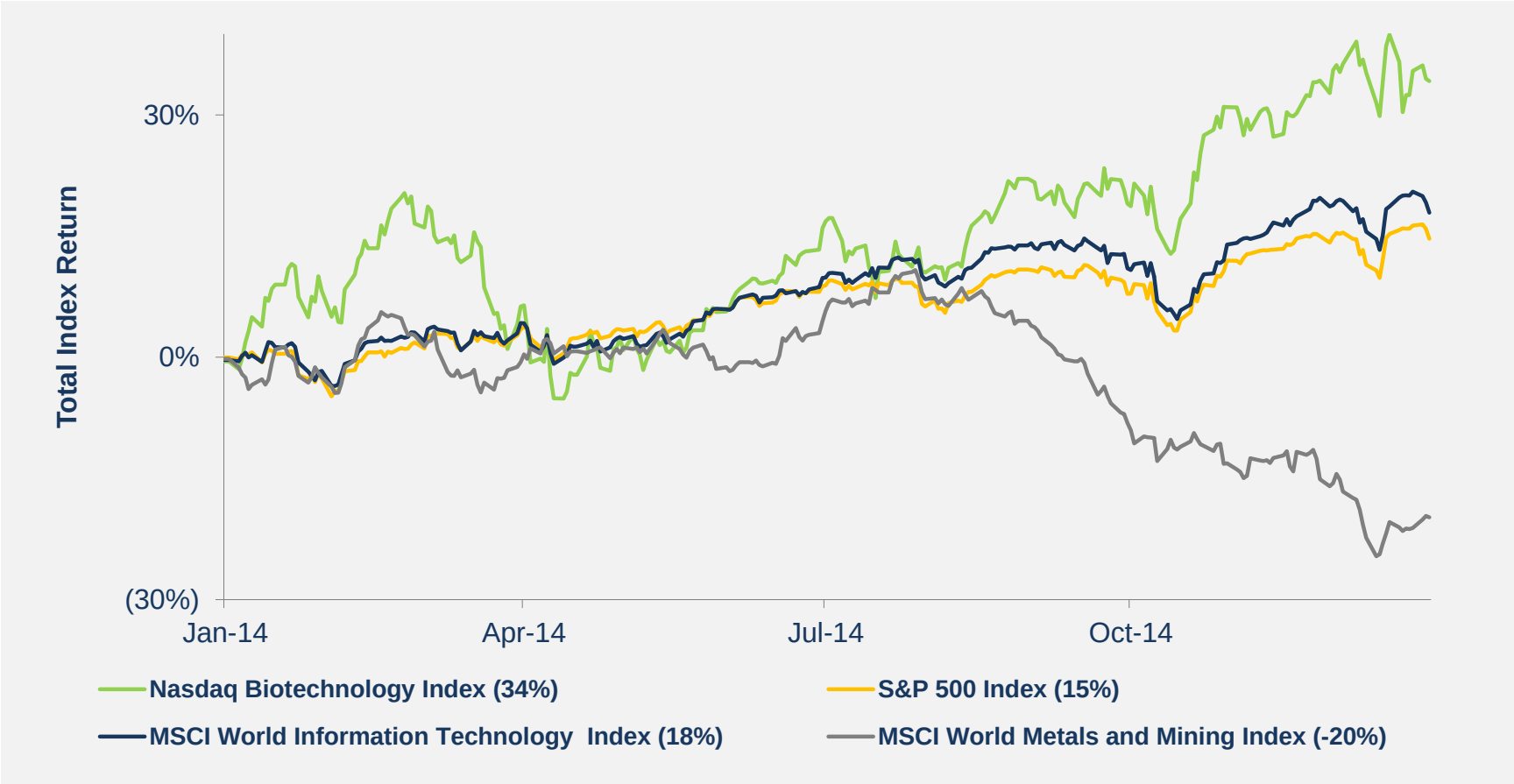
This list is not exhaustive of the factors that may affect any of our forward-looking statements. Our forward-looking statements are based on what our management currently considers to be reasonable assumptions, beliefs, expectations and opinions and we cannot assure you that actual events, performance or results will be consistent with these forward-looking statements. Assumptions have been made regarding, among other things: our ability to carry on our exploration and development activities; our ability to meet our obligations under our property agreements; the timing and results of drilling programs; the discovery of Mineral Resources and Mineral Reserves on our mineral properties; the timely receipt of required approvals and permits; the price of the minerals we produce; the costs of operating and exploration expenditures; our ability to operate in a safe, efficient and effective manner; our ability to obtain financing as and when required and on reasonable terms; our ability to continue operating the Pirquitas mine and the Marigold mine; and those other assumptions identified under the heading "Introductory Notes – Cautionary Notice Regarding Forward-Looking Statements" in our most recent Annual Information Form and Annual Report on Form 40-F. Our forward-looking statements reflect current expectations regarding future events and operating performance and we do not assume any obligation to update forward-looking statements if circumstances or management's beliefs, expectations or opinions should change other than as required by applicable law. For the reasons set forth above, you should not place undue reliance on forward-looking statements.
All references to "$" in this presentation are to U.S. dollars unless otherwise stated.

Qualified Persons
Except as otherwise set out herein, the scientific and technical information contained in this presentation relating to the Pirquitas mine has been reviewed and approved by Trevor J. Yeomans, ACSM, P.Eng., and Carl Edmunds, P. Geo., each of whom is a Qualified Person under National Instrument 43-101 — Standards of Disclosure for Mineral Projects ("NI 43-101") and our employee. The scientific and technical information contained in this presentation relating to the Marigold mine has been reviewed and approved by Thomas Rice and James N. Carver, each of whom is a SME Registered Member, a Qualified Person under NI 43-101 and our employee.

Cautionary Note to U.S. Investors
The disclosure included in this presentation uses Mineral Reserves and Mineral Resources classification terms that comply with reporting standards in Canada and the Mineral Reserves and Mineral Resources estimates are made in accordance with NI 43-101. 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. These standards differ significantly from the requirements of the SEC set out in SEC Industry Guide 7. Consequently, Mineral Reserves and Mineral Resources information included in this presentation is not comparable to similar information that would generally be disclosed by domestic U.S. reporting companies subject to the SEC requirements. Under SEC standards, mineralization may not be classified as a "reserve" unless the determination has been made that the mineralization could be economically produced or extracted at the time the reserve determination is made.

Cautionary Note Regarding Non-GAAP Measures
This presentation includes certain terms or performance measures commonly used in the mining industry that are not defined under International Financial Reporting Standards ("IFRS"), including cost of inventory, cash costs, all-in sustaining costs and total costs per payable ounce of silver or gold sold, realized silver and gold price per ounce, adjusted net income (loss) before tax, adjusted net income (loss) and adjusted basic earnings (loss) per share. We believe that, in addition to conventional measures prepared in accordance with IFRS, certain investors use this information to evaluate our performance. The data presented is intended to provide additional information and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS. These non-GAAP measures should be read in conjunction with our consolidated financial statements.

Market Performance: FY 2014



World metals and mining sector underperformed

Source: Bloomberg

What sets Silver Standard apart

ASSETS	CAPITAL	PEOPLE
Free cash flow	Increased cash balance to $185M	Experienced team
Two large mines	$105M in marketable securities	In-country expertise
Focused portfolio		Deliver to plan

Strong operating performance & free cash flow

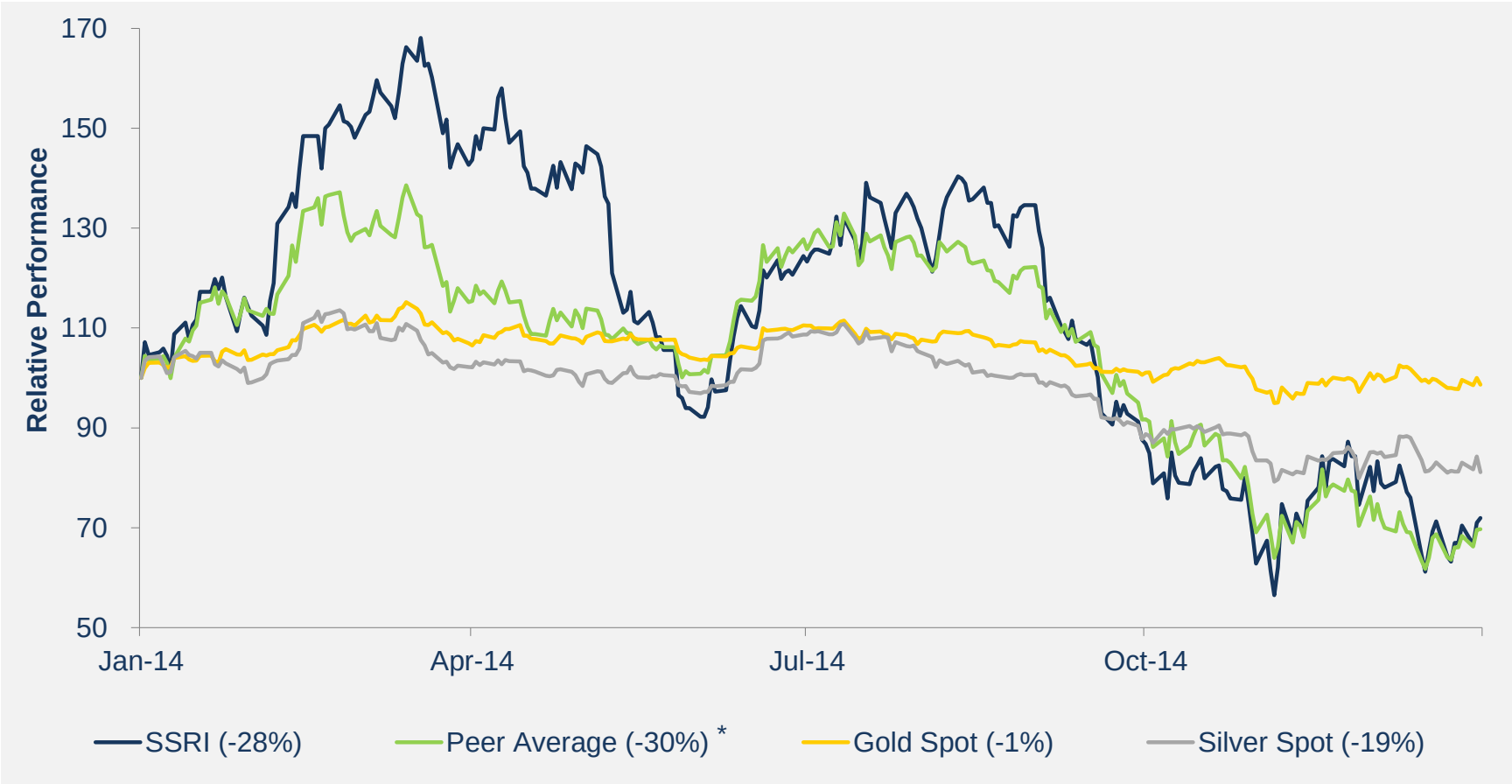
* Cash and marketable securities are as at December 31, 2014.

SHARE PRICE PERFORMANCE



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Share Price Performance: FY 2014



Annual SSRI performance in line with peers

* Peer average includes: AG, AUQ, CDE, EXK, HL, HOC, MUX, PAAS, PPP; Source: Bloomberg.

PEOPLE



Our Safety and People: Key to Our Success

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- Safety performance improved in 2014
  - Reduced lost-time injuries by 45%
- Retained Marigold management team, increasing organizational depth



- Operational Excellence team in place, realizing efficiencies
- Capable, experienced leadership team driving growth strategy

Committed to safe production

Strong Technical and Commercial Experience

Management Team



John Smith
President, CEO and Director



Gregory Martin
SVP and Chief Financial Officer



Alan Pangbourne
SVP, Operations



John DeCooman
VP, Business Development and Strategy



Nadine Block
VP, Human Resources



Kelly Stark-Anderson
VP, Legal and Corporate Affairs



Jon Gilligan
VP, Technical and Project Development



Ed Kirwan
VP, Environment and Community Relations



Bruce Huber
VP, Health and Safety

Board of Directors



Peter Tomsett
Chairman



Michael Anglin



Gustavo Herrero



Beverlee Park



Richard Paterson



Steven Reid

ASSETS



MARIGOLD: 2014 in Review

- **Operational excellence program delivered results**
- **Produced 129,615 oz of gold**
- **Cash costs of $838/oz of gold sold**
- **Annual production exceeded guidance and cash costs met guidance**



* 2014 production and cash costs are for the nine months ended December 31, 2014. Cash costs are a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

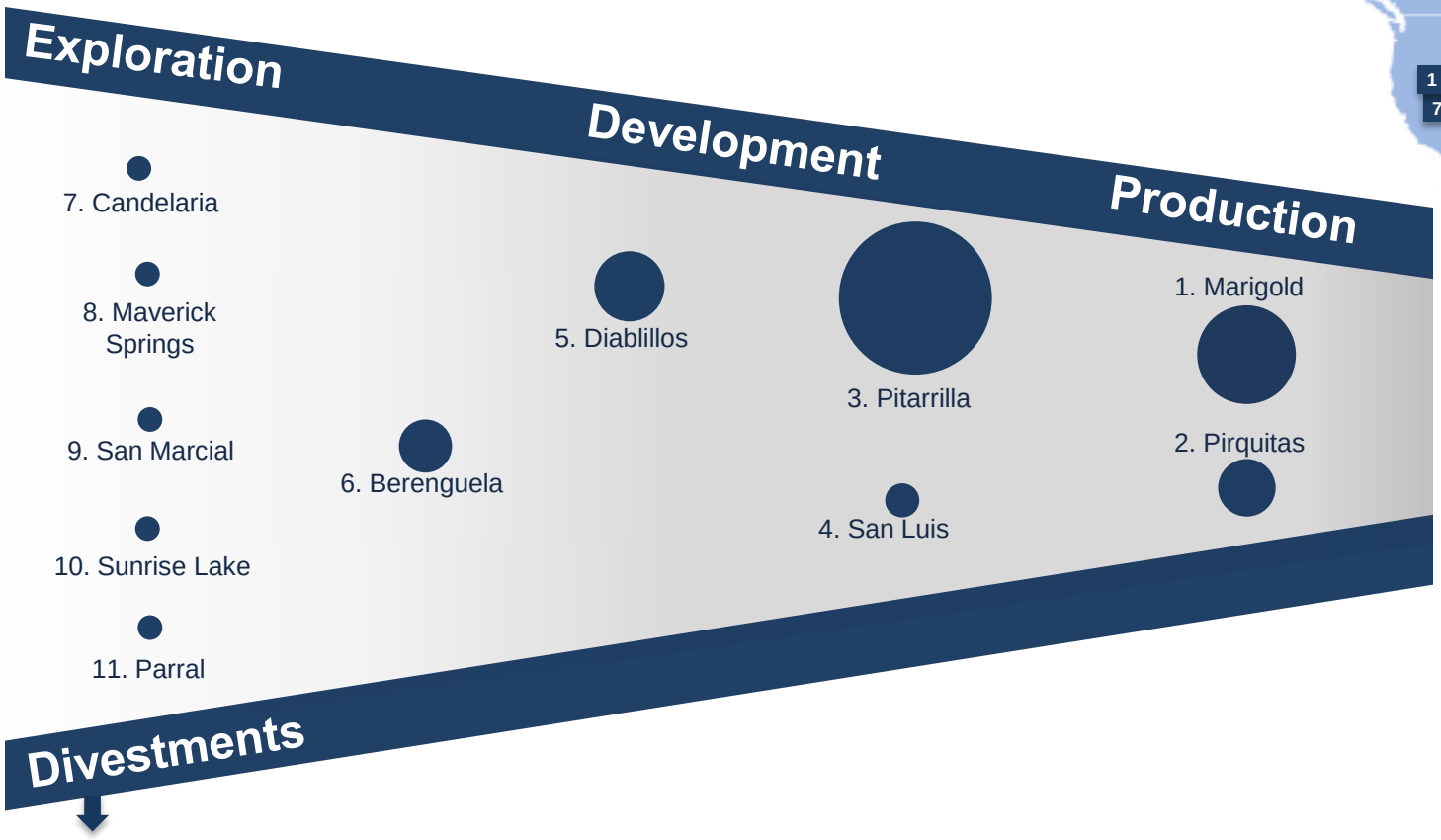
PIRQUITAS: 2014 in Review

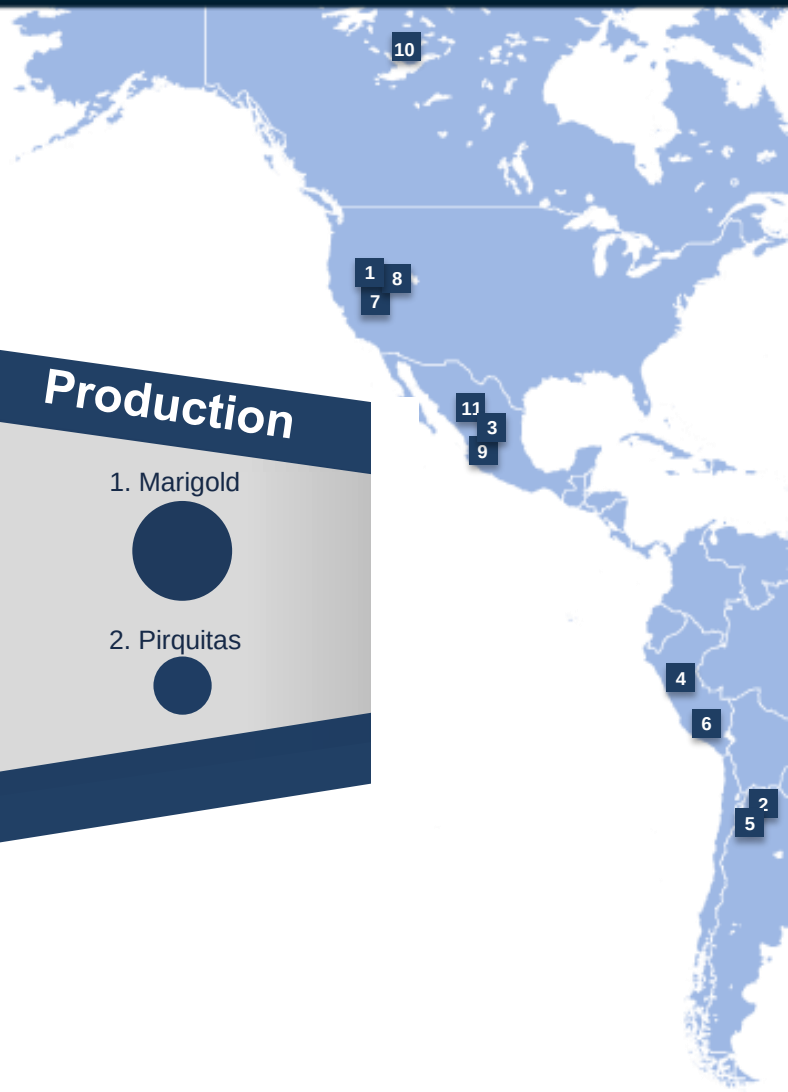
- **Produced record 8.7M oz of silver and record 30M lbs zinc**
- **Lowered cash costs to $12.08/oz of silver sold**
- **Focused on operational excellence**
- **Achieved guidance for third consecutive year**



* Cash costs are a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

Properties, Projects and Production





EXPLORATION: Mine Life Extension

Pirquitas

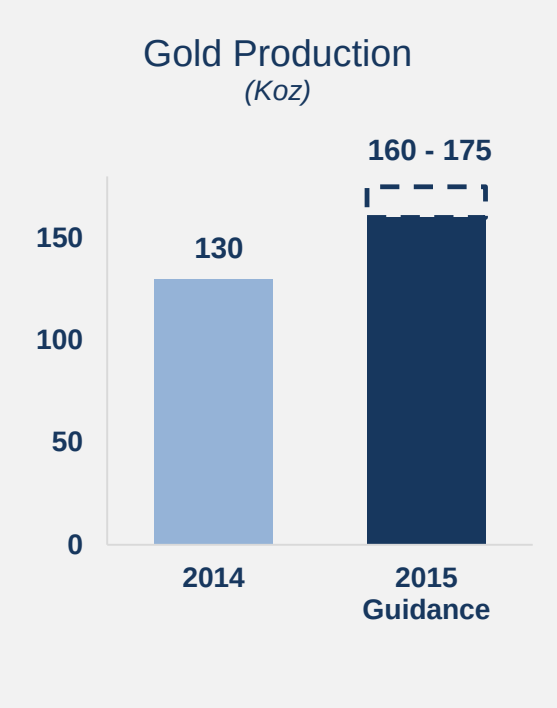
- Surface exploration program
- Underground Mineral Reserves evaluation
- Pit re-evaluation

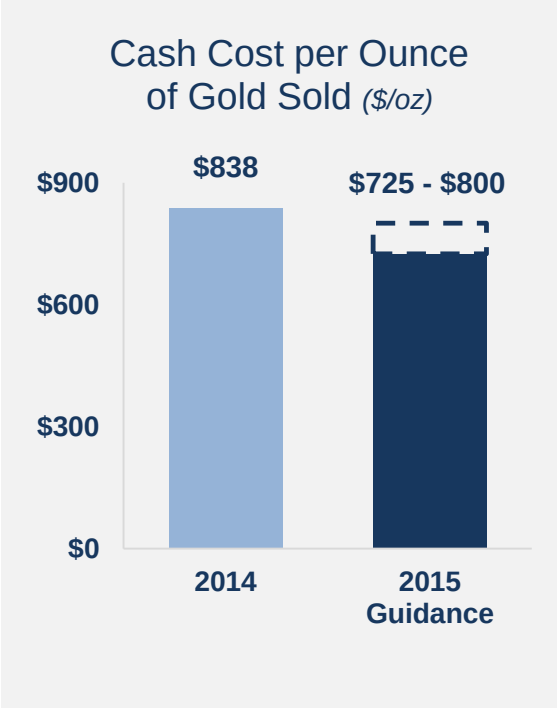
Marigold

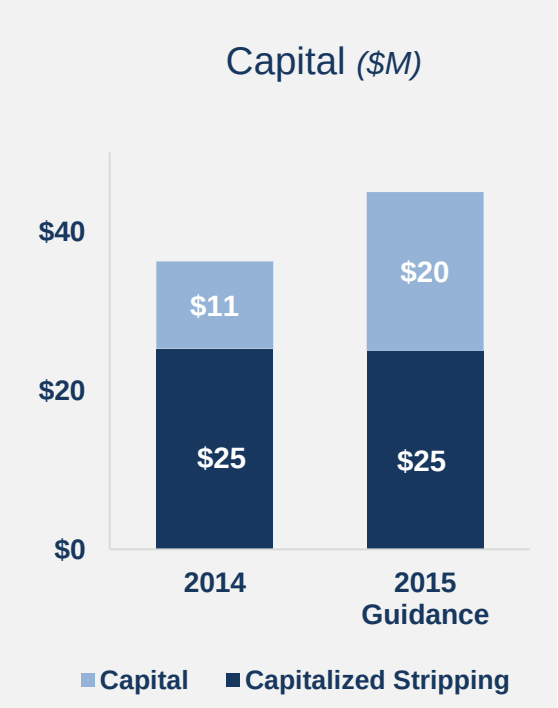
- Resource development program
- Deep sulphide exploration potential



Marigold: Production Growth at Lower Cost



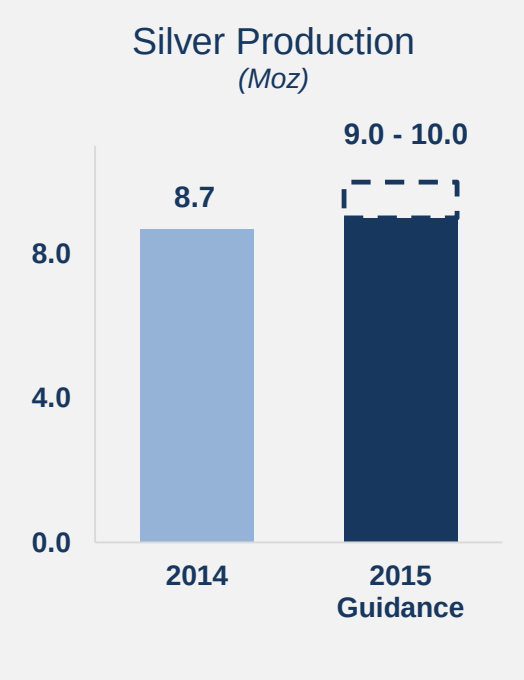


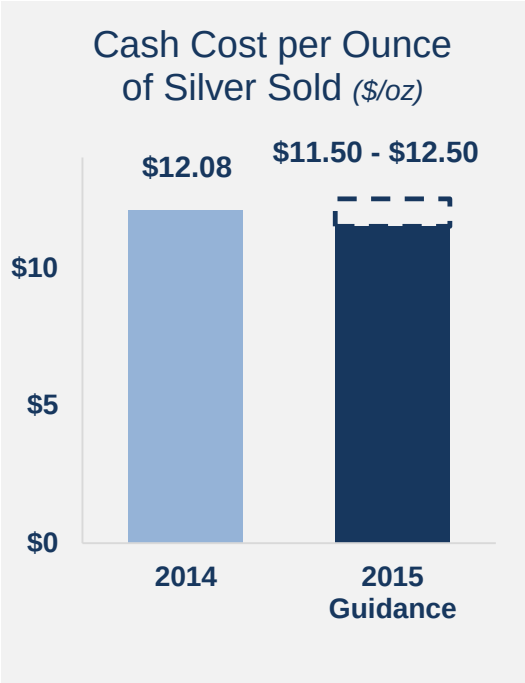


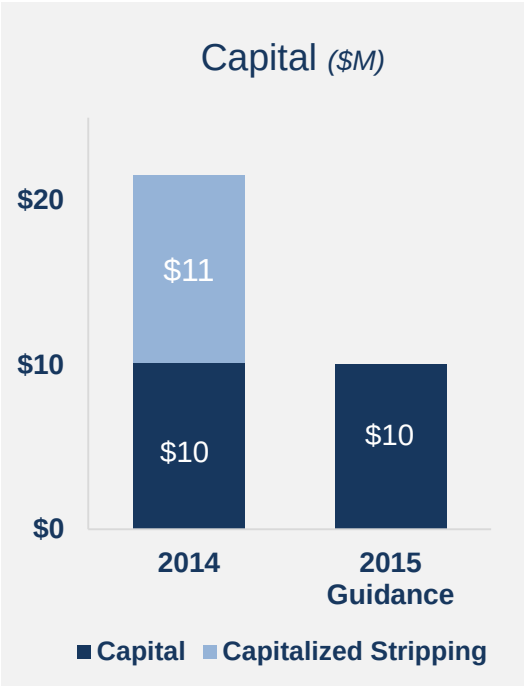
Increasing margins and free cash flow

See news release dated January 14, 2015 for production and cost guidance. 2014 values are for the nine months ended December 31, 2014. Cash costs are a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

Pirquitas: Strong Cash Flow Generation







Increased production and lower capex

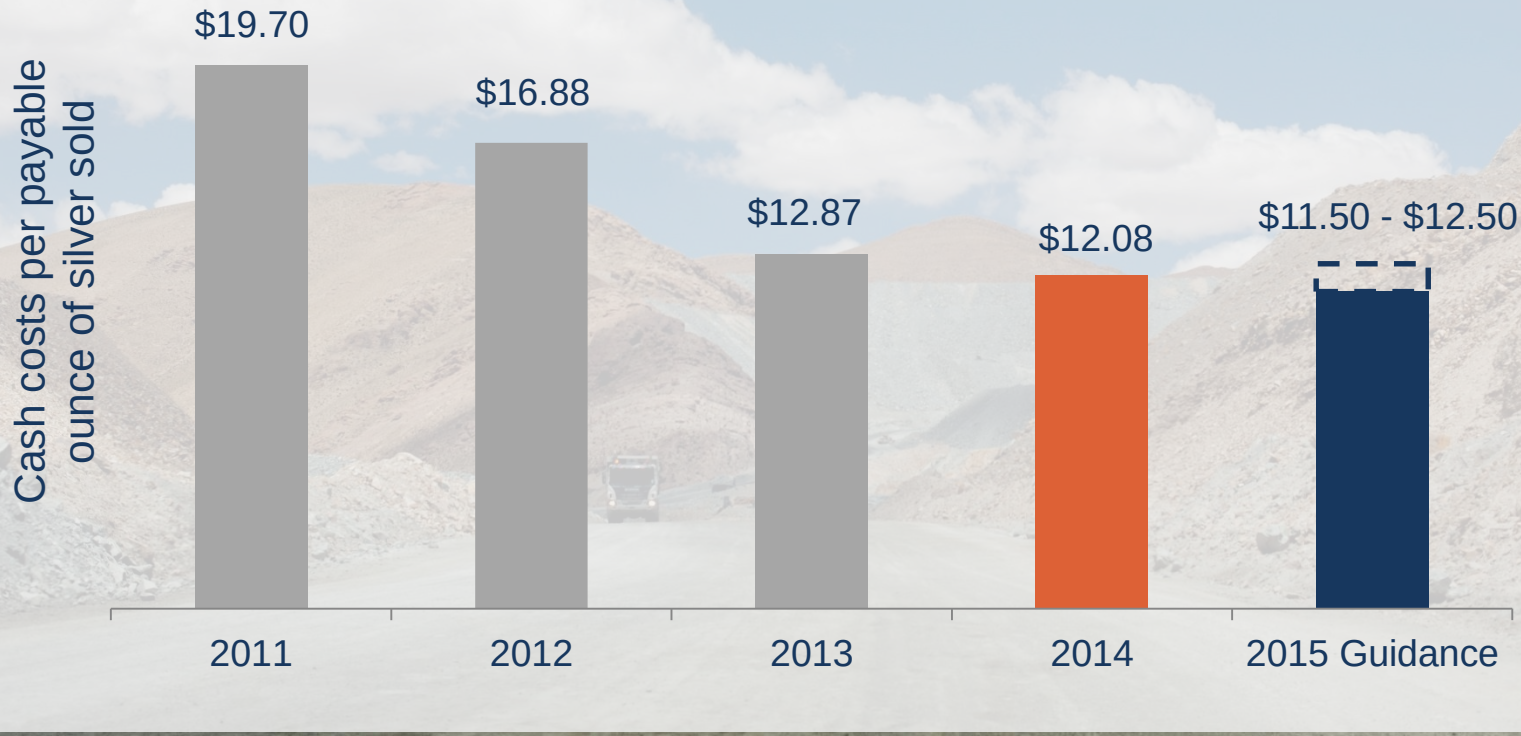
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CAPITAL



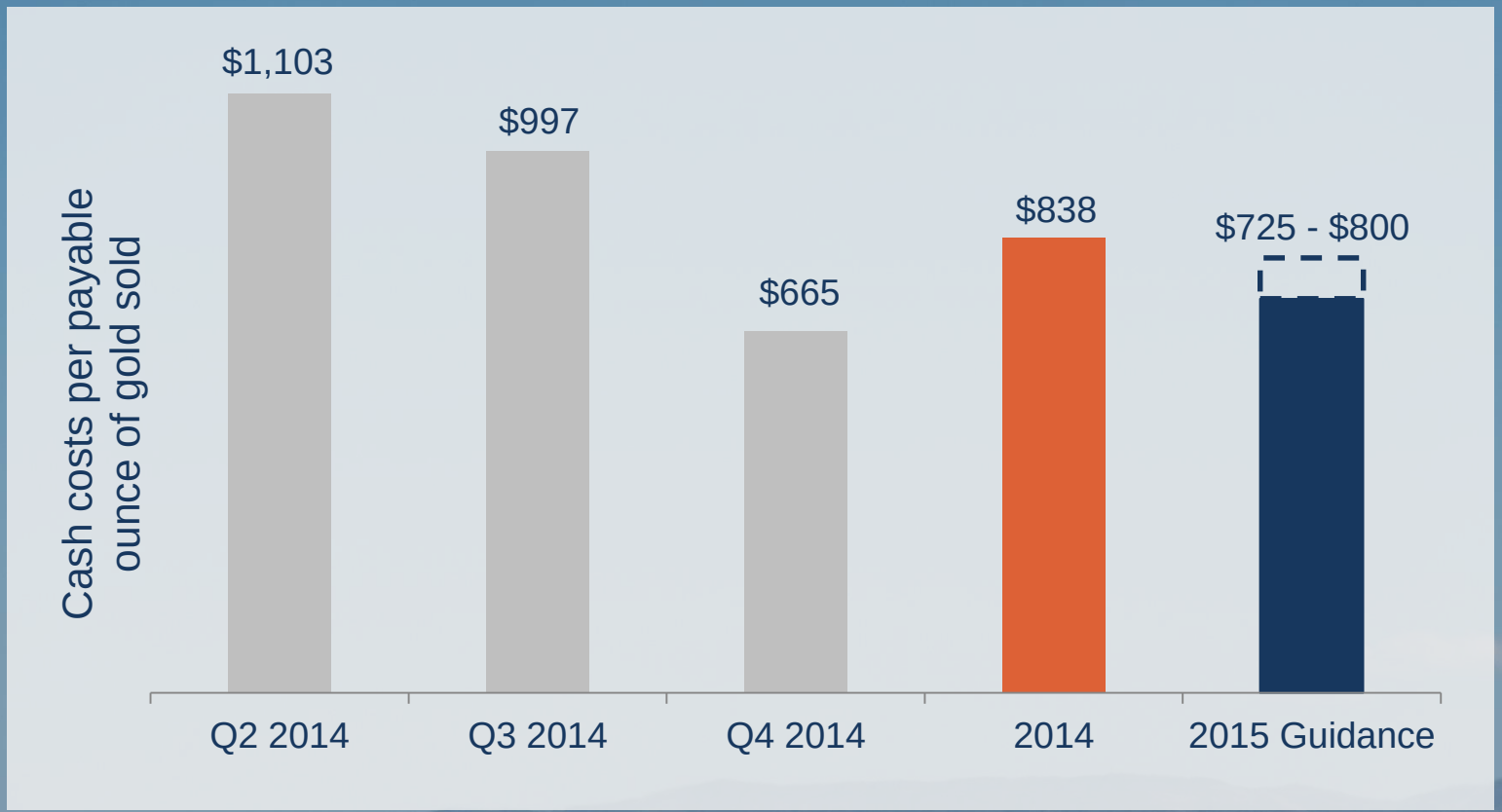
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Pirquitas: Lowered Cost Profile



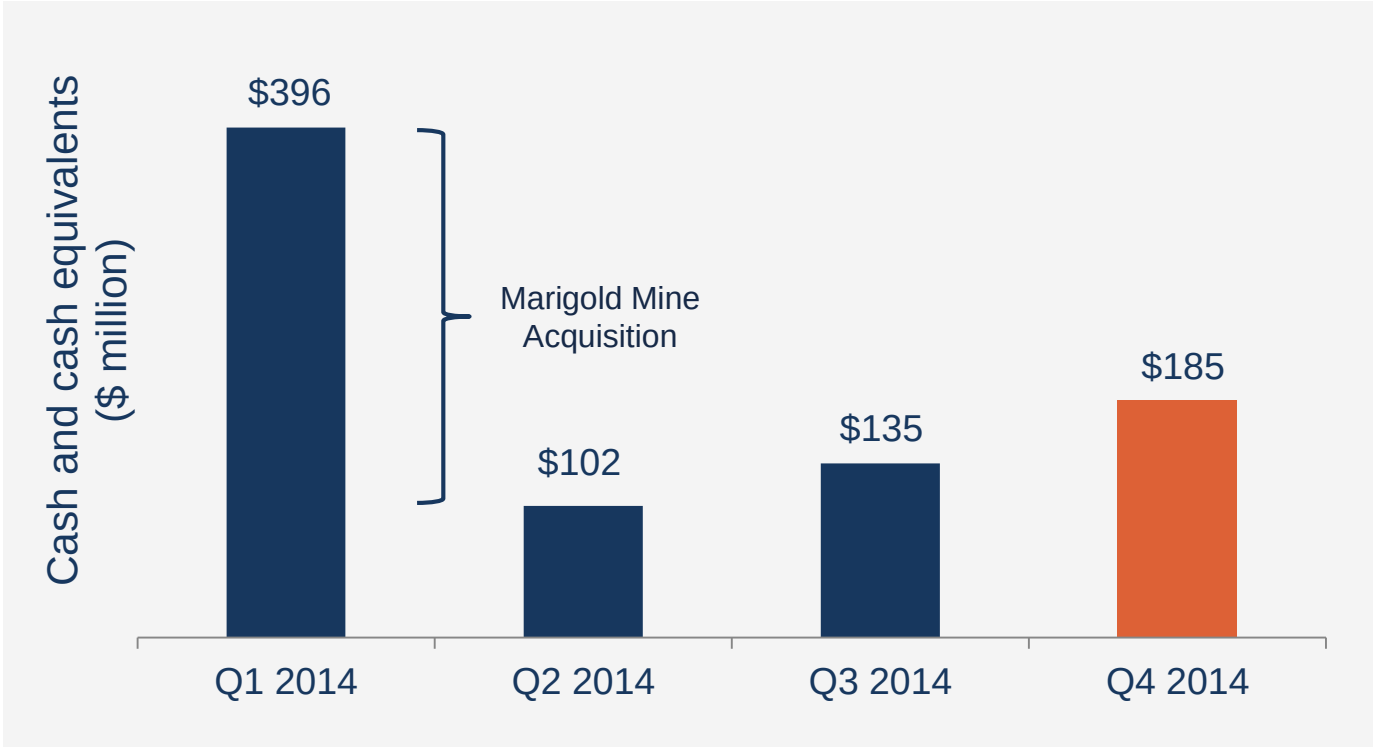
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Marigold: Achieving Efficiencies



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Strong Underlying Performance in 2014



- Operating activities generated $69 million
- Marigold generated $39 million of income from mine operations

Financial Strength to Fund Growth



	2014	2013
Cash	**$185M**	$416M
Current Assets*	**$492M**	$681M
Current Liabilities	**$123M**	$104M
Working Capital**	**$369M**	$577M

* Inclusive of Pretium Resources Inc. investment of $100 million and Argonaut Gold Inc. investment of $2 million as of December 31, 2014, and $98 million and $26 million, respectively, as of December 31, 2013.

GOALS FOR SUCCESS



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Key Goals for 2014

- Successfully integrate and optimize Marigold 
- Advance operational excellence at Pirquitas 
- Progress exploration and development projects
- Maintain strong balance sheet and cost discipline 
- Use strong balance sheet for growth opportunities 

Our Team and Assets Delivered in 2014

Why Silver Standard in 2015

- Management team that delivers
- Focus on operational excellence
- Cost discipline

- Corporate level free cash flow
- Strong balance sheet
- Strategy for growth



Authentic