

IAMGOLD Investor Presentation

Q1 2015

Cautionary Statement on Forward-Looking Information

All information included in this presentation, including any information as to the Company's future financial or operating performance, and other statements that express management's expectations or estimates of future performance, other than statements of historical fact, constitute forward looking information or forward-looking statements and are based on expectations, estimates and projections as of the date of this presentation. Forward-looking statements contained in this presentation include, without limitation, statements with respect to: the Company's guidance for production, cash costs, all-in sustaining costs, depreciation expense, effective tax rate, niobium production and operating margin, capital expenditures, operations outlook, cost management initiatives, development and expansion projects, exploration, the future price of gold, the estimation of mineral reserves and mineral resources, the realization of mineral reserve and mineral resource estimates, the timing and amount of estimated future production, costs of production, permitting timelines, currency fluctuations, requirements for additional capital, government regulation of mining operations, environmental risks, unanticipated reclamation expenses, title disputes or claims and limitations on insurance coverage. Forward-looking statements are provided for the purpose of providing information about management's current expectations and plans relating to the future. Forward-looking statements are generally identifiable by, but are not limited to the, use of the words "may", "will", "should", "continue", "expect", "anticipate", "estimate", "believe", "intend", "plan", "suggest", "guidance", "outlook", "potential", "prospects", "seek", "targets", "strategy" or "project" or the negative of these words or other variations on these words or comparable terminology. Forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by management, are inherently subject to significant business, economic and competitive uncertainties and contingencies. The Company cautions the reader that reliance on such forward-looking statements involve risks, uncertainties and other factors that may cause the actual financial results, performance or achievements of IAMGOLD to be materially different from the Company's estimated future results, performance or achievements expressed or implied by those forward-looking statements, and the forward-looking statements are not guarantees of future performance. These risks, uncertainties and other factors include, but are not limited to, changes in the global prices for gold, niobium, copper, silver or certain other commodities (such as diesel, aluminum and electricity); changes in U.S. dollar and other currency exchange rates, interest rates or gold lease rates; risks arising from holding derivative instruments; the level of liquidity and capital resources; access to capital markets, and financing; mining tax regimes; ability to successfully integrate acquired assets; legislative, political or economic developments in the jurisdictions in which the Company carries on business; operating or technical difficulties in connection with mining or development activities; laws and regulations governing the protection of the environment; employee relations; availability and increasing costs associated with mining inputs and labour; the speculative nature of exploration and development, including the risks of diminishing quantities or grades of reserves; adverse changes in the Company's credit rating; contests over title to properties, particularly title to undeveloped properties; and the risks involved in the exploration, development and mining business. With respect to development projects, IAMGOLD's ability to sustain or increase its present levels of gold production is dependent in part on the success of its projects. Risks and unknowns inherent in all projects include the inaccuracy of estimated reserves and resources, metallurgical recoveries, capital and operating costs of such projects, and the future prices for the relevant minerals. Development projects have no operating history upon which to base estimates of future cash flows. The capital expenditures and time required to develop new mines or other projects are considerable, and changes in costs or construction schedules can affect project economics. Actual costs and economic returns may differ materially from IAMGOLD's estimates or IAMGOLD could fail to obtain the governmental approvals necessary for the operation of a project; in either case, the project may not proceed, either on its original timing or at all.

For a more comprehensive discussion of the risks faced by the Company, and which may cause the actual financial results, performance or achievements of IAMGOLD to be materially different from the company's estimated future results, performance or achievements expressed or implied by forward-looking information or forward-looking statements, please refer to the Company's latest Annual Information Form, filed with Canadian securities regulatory authorities at www.sedar.com, and filed under Form 40-F with the United States Securities Exchange Commission at www.sec.gov/edgar.html. The risks described in the Annual Information Form (filed and viewable on www.sedar.com and www.sec.gov/edgar.html, and available upon request from the Company) are hereby incorporated by reference into this presentation.


The Company disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise except as required by applicable law.

IAMGOLD's Gold Assets – Global



Four Operating Gold Mines:
2015 Production Guidance 820k – 860k oz.

Met / Exceeded 2014 Operating Targets

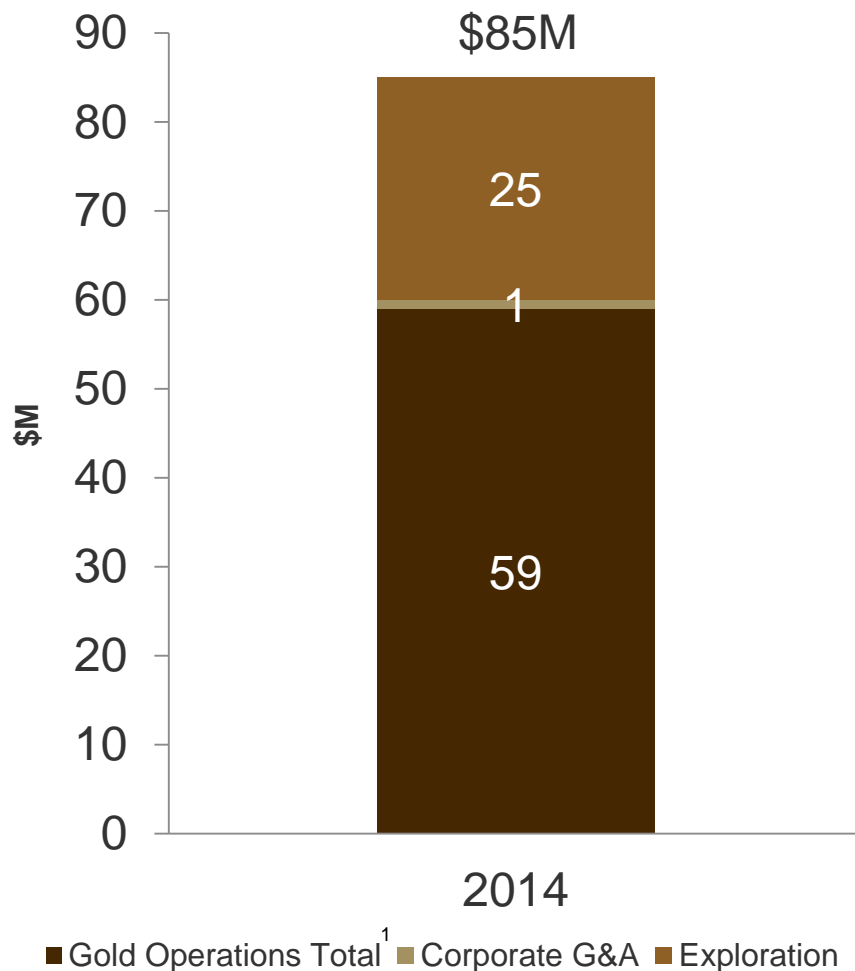
- 
- ✓ Produced 844,000 ounces of gold, within guidance
 - ✓ Reduced all-in sustaining costs quarter-over-quarter
 - › Q4'14 AISC^{1,2} – gold mines³ were \$209/oz. lower than Q4'13
 - ✓ Full-year AISC of \$1,101/oz., \$49/oz. better than guidance

¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for reconciliation to GAAP.

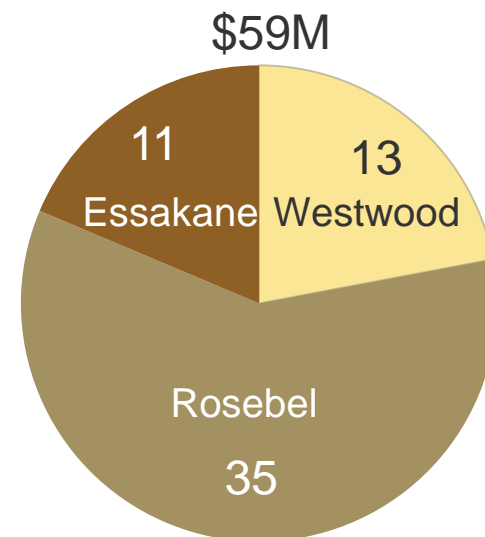
² In the third quarter 2014, we began including the income from our Diavik royalty as an offset to operating costs in the calculation of this measure. Previous periods were revised for comparability.

³ Gold mines, as used with total cash costs and all-in sustaining costs, consist of Rosebel, Essakane, Westwood (commercial production), Mouska, Sadiola and Yatela on an attributable basis.

Cost Reductions Continued Through 2014

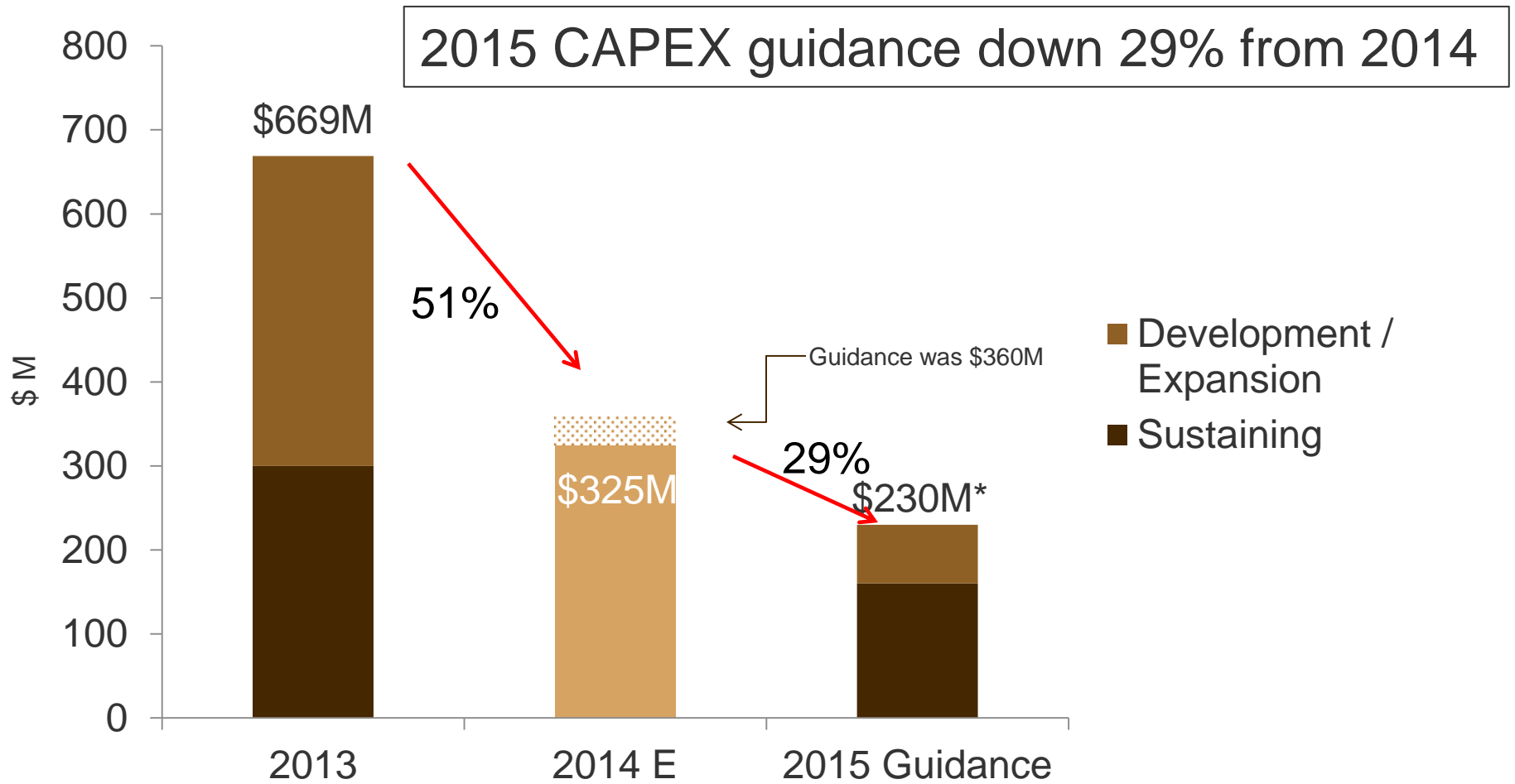


Gold Operations¹ Cost Reductions



- ✓ Includes sustainable savings from 2013
- ✓ Corporate restructuring in 2014
- ✓ 2014 initiatives to improve mining and milling efficiencies

Disciplined Capital Allocation



Focused on Operational Excellence in 2014

Essakane Mine – 33% growth in production to 325k oz.



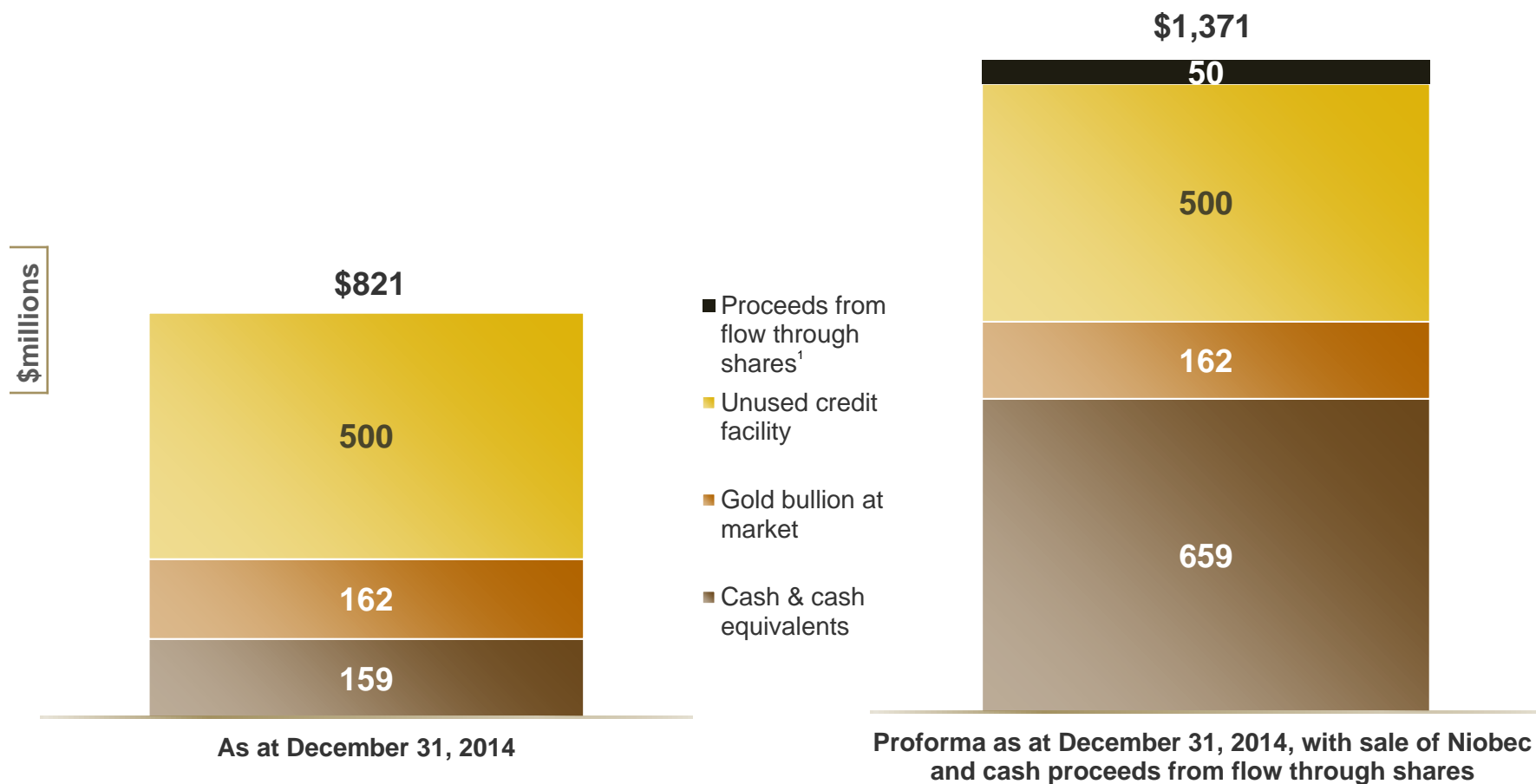
Westwood – ramping up commercial production with 70k in first 6 mos



Rosebel – Steady grade improvement in H2 drives production to 325k oz.

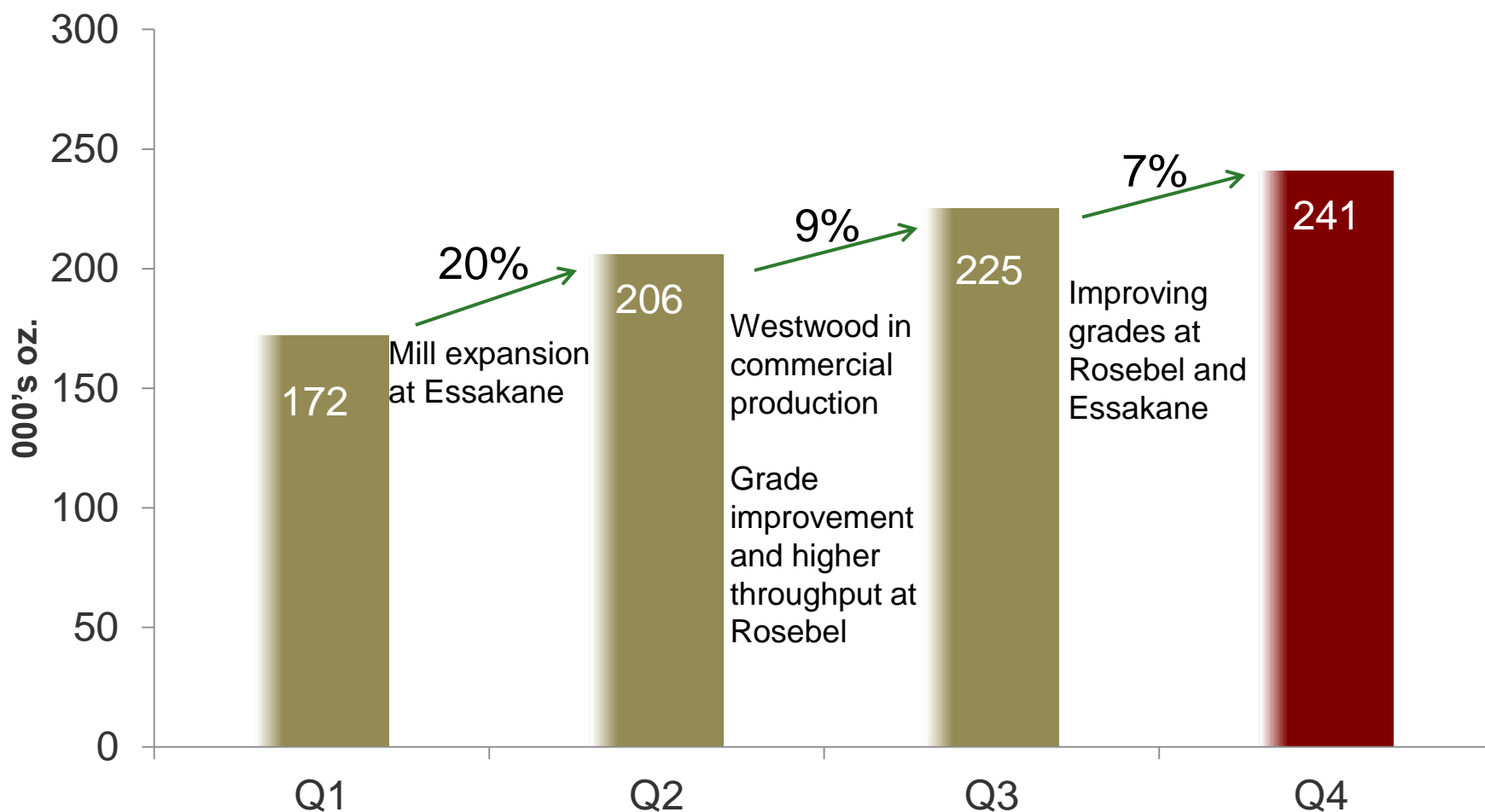


Maintaining Strong Liquidity



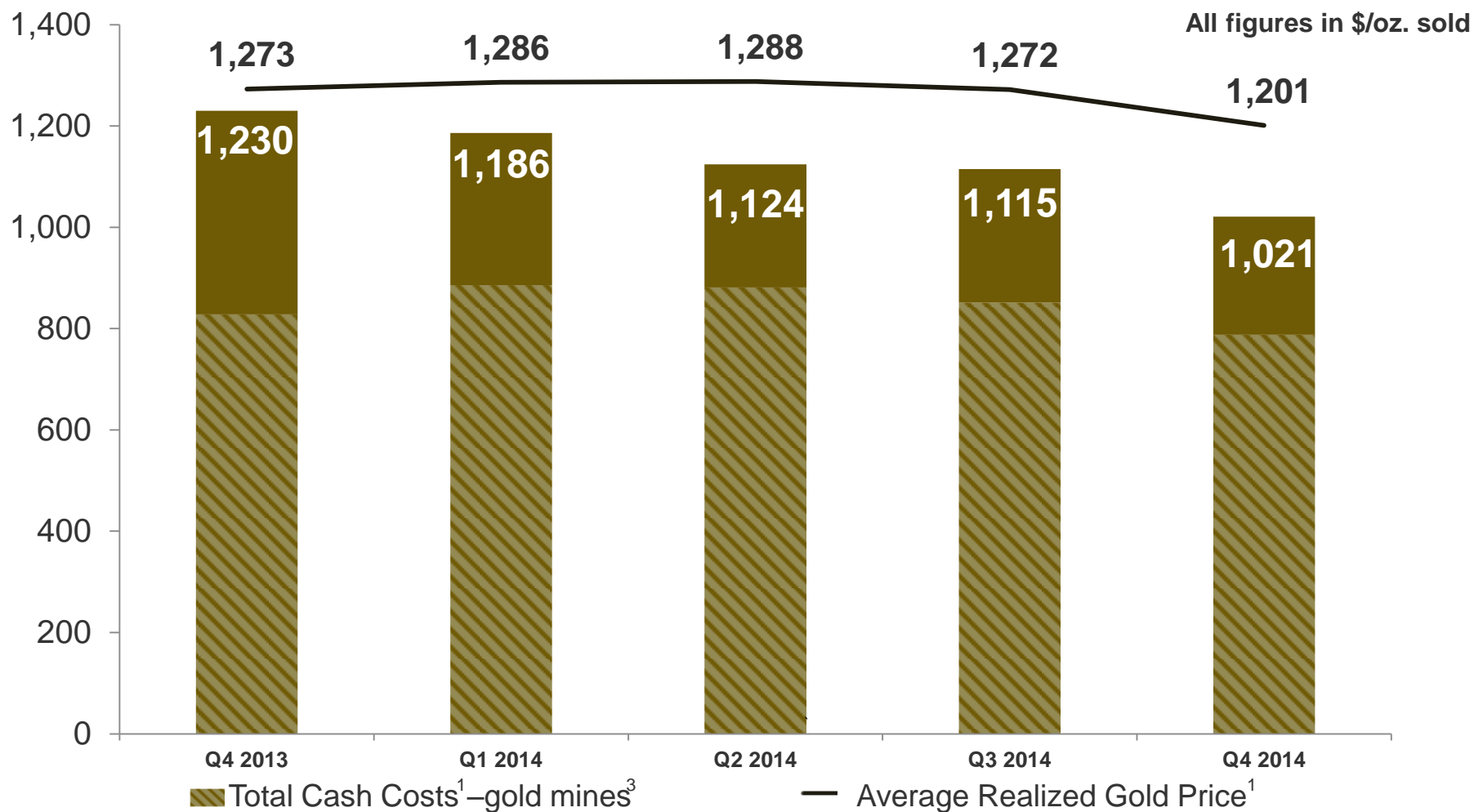
The Company has \$650 million of senior unsecured notes due October 2020.

2014 Attributable Production Trend¹



¹ Attributable gold production includes Westwood pre-commercial production for Q1 of 1,000 ounces and Q2 of 9,000 ounces

All-In Sustaining Costs^{1,2} - gold mines³ Continue to Improve

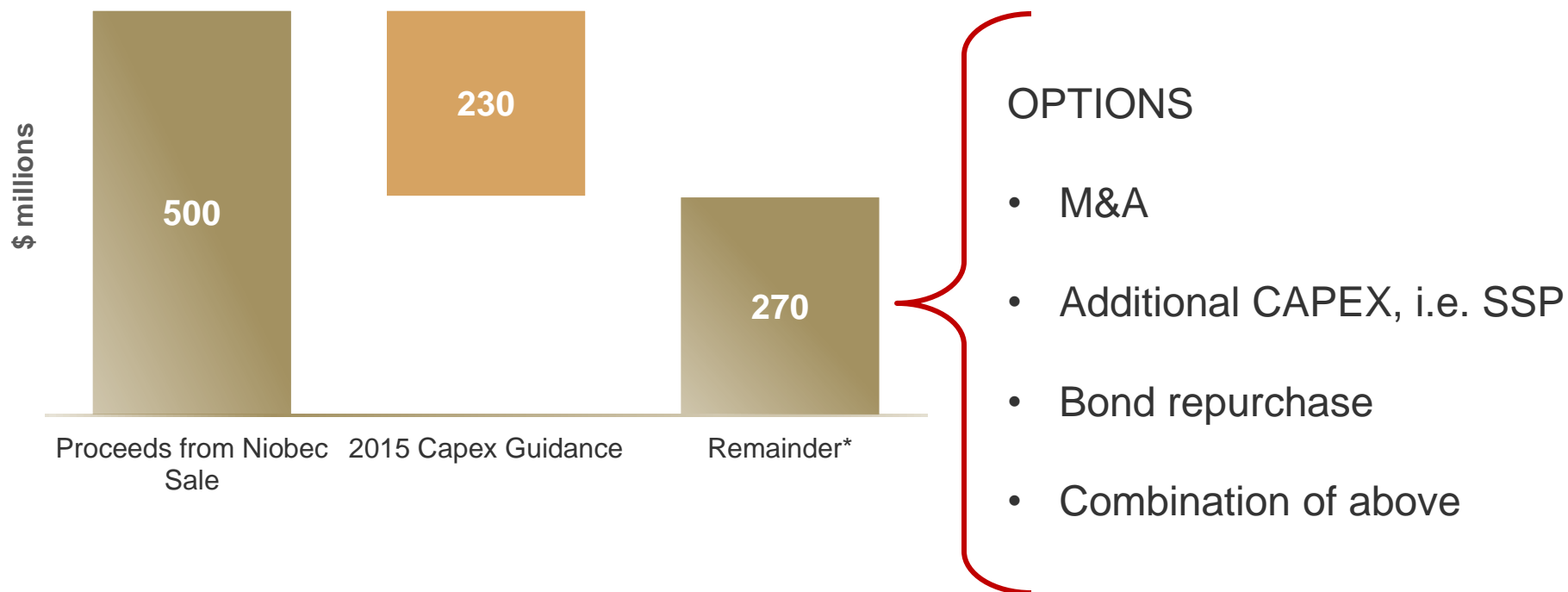


¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for reconciliation to GAAP.

² In the third quarter 2014, we began including the income from our Diavik royalty as an offset to operating costs in the calculation of this measure. Previous periods were revised for comparability.

³ Gold mines, as used with total cash costs and all-in sustaining costs, consist of Rosebel, Essakane, Westwood (commercial production), Mouska, Sadiola and Yatela on an attributable basis.

Priorities for Use of Proceeds from Sale of Niobec



*\$50M balance can be kept

Acquisition Criteria

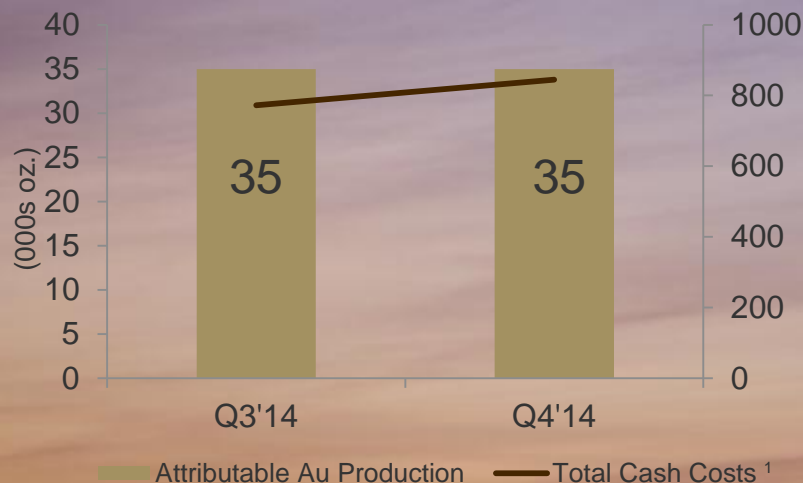
- ✓ Predominantly gold
- ✓ Producing or near-producing mine
- ✓ Minimum production of 100k oz./year
- ✓ Higher grades
- ✓ Lower costs
- ✓ Good mining jurisdiction



Operations



Westwood Ramping Up – Canada



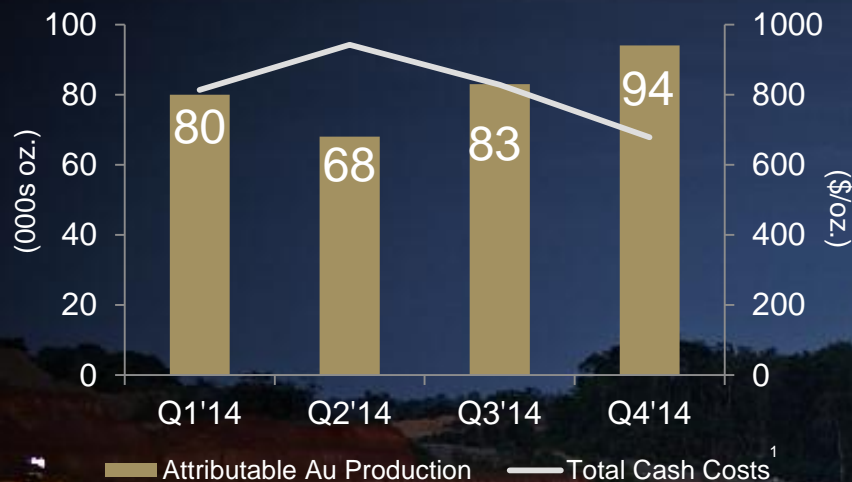
2015 Outlook

- ✓ Total cash costs expected to trend downwards as production ramps up, Westwood to be our strongest contributor to growth in production and operating cash flow
- ✓ Production for the year expected to vary – Q2 and Q3 to account for ~60% of 2015 production
- ✓ LOM scenarios under review
 - › Annual production ranging from 165k – 180k oz.
 - › Total cash costs of \$630 - \$690/oz.
- ✓ Continued focus on improving operating efficiencies and reducing costs

- ✓ High-grade, low-cost underground gold mine with an estimated 20 year mine life
 - › Avg. resource grade ~10g/t Au
- ✓ Commercial production July 1, 2014
 - › 70,000k oz. first 6 months at cash costs of \$822/oz. and AISC of \$1,031/oz.
- ✓ Q4 performance
 - › Mill processed >1,500 tpd
 - › Grades averaged 8.12 g/t Au
 - › 96% recovery rate

¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for the reconciliation to GAAP.

Improving Performance at Rosebel - Suriname



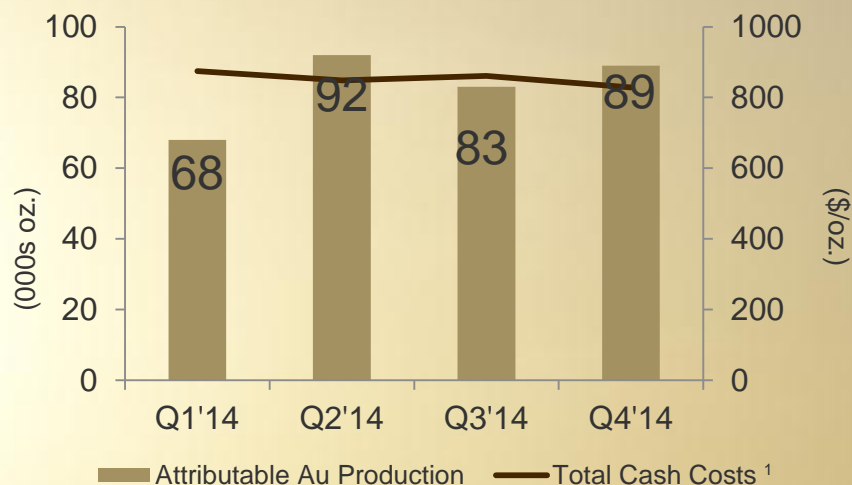
2015 Outlook

- ✓ Focus is to continue grade improvement, increase efficiencies and reduce costs
- ✓ Lower oil prices expected to continue to benefit power costs

- ✓ Multiple open-pit mine with diminishing supply of soft rock
- ✓ 2014 performance— 325,000 oz. produced at total cash costs of \$804/oz. and AISC of \$1,045/oz.
- ✓ Improving trend in grades
 - › RC drilling for in-pit grade control
 - › Upgraded road to higher grade pit
- ✓ Strong Q4 performance
 - › Q4 head grade improved to 0.96 g/t Au
 - › Total cash costs down from Q2 by \$264, at \$678/oz.
- ✓ Reducing variation in mill feed
 - › Improved throughput
 - › Reduced power and reagent consumption
- ✓ Cost reduction efforts included improved operating efficiencies, lower dilution and reduced reliance on contractors

¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for the reconciliation to GAAP.

Optimizing Performance at Essakane – Burkina Faso



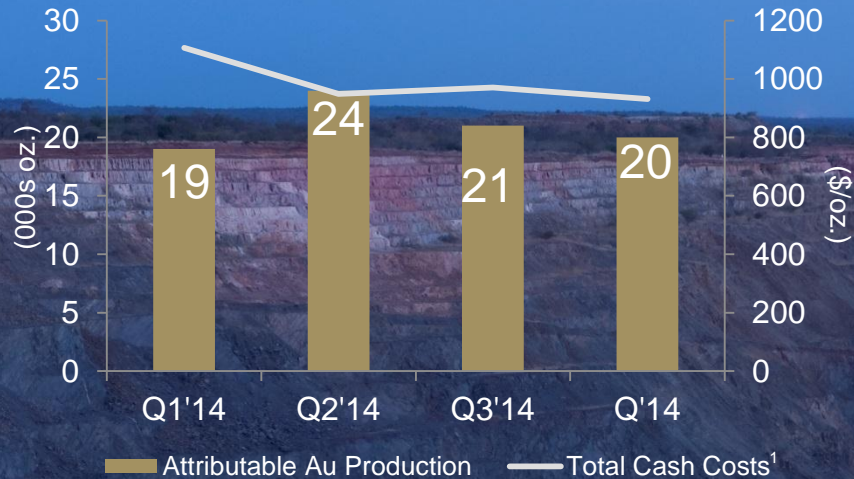
- ✓ Open-pit mine in 4th year of production
 - › Remaining LOM of 10 years
- ✓ Mill expansion completed in 2013 to accommodate increasing proportion of hard rock
- ✓ Total cash costs reflect harder rock and less capitalized stripping – 2014 total cash costs of \$852/oz. and AISC of \$1,060/oz.
- ✓ 2014 production increased 33% from 2013
 - › 21% improvement in grades and 12% increase in throughput
 - › 11.9 M tonnes in throughput – above nameplate mill capacity of 10.8 Mtpa

2015 Outlook

- ✓ Higher grades and lower oil prices expected to improve cash costs
- ✓ Process improvement initiatives actively being implemented – targeting optimization of mining and milling processes

¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for the reconciliation to GAAP.

Revitalization Strategy for Sadiola – Mali



- ✓ Open-pit mine in operation for 20 years
- ✓ Transitioning to hard rock
- ✓ Continuing to look for additional oxide reserves
- ✓ Existing plant not built for hard rock
- ✓ 2014 production of 84,000 oz. slightly lower year over year due to lower grades, partially offset by higher throughput and recoveries

Outlook

- ✓ Investment decision regarding the expansion required to accommodate hard rock processing to be made
- ✓ Reliable, long-term supply of low-cost power critical to expansion project
- ✓ Willing partner required to move forward
- ✓ 2015 production will deplete the existing supply of soft rock and throughput is expected to decline thereafter

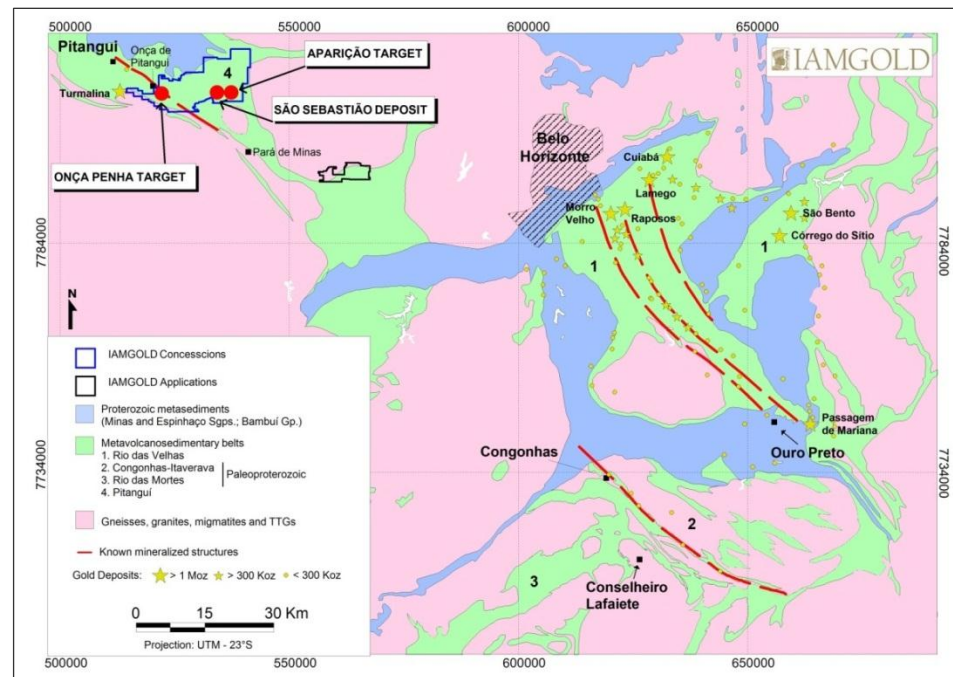
¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for the reconciliation to GAAP.

Exploration



Greenfield: Pitangui Project, Brazil

- ✓ Infill drilling continues at São Sebastião, 24,500m of diamond drilling completed in 2014
- ✓ April 2014 –maiden inferred resource estimate of 0.64 Moz at 4.88 g/t Au
- ✓ June 2014 – confirmed continuity of known resource / identified new high-grade intersections in second zone
- ✓ Ongoing delineation drilling focused on infill and expansion of current resource and identification of additional targets
- ✓ Airborne EM geophysical survey during Q4'14 identified conductive targets to be prioritized in future drilling programs
- ✓ Assay results from H2'14 drilling campaign to be included in updated resource model



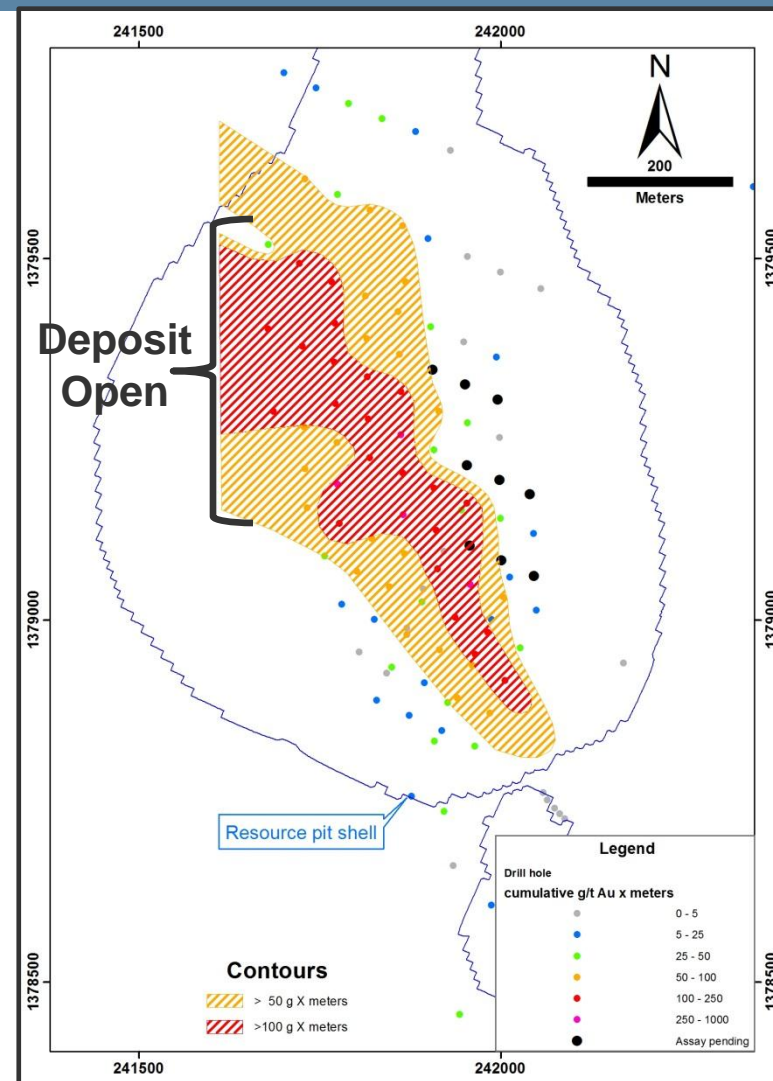
Source: Updated Resource Estimate for Pitangui, effective January 9, 2014. Note: *CIM Definitions* were followed for classification of Mineral Resources. Mineral Resources are estimated at a cut-off grade of 3.0 g/t Au. Mineral Resources are estimated using a gold price of US\$1,500 per ounce. High grade assays are capped at 10g/t Au to 15 g/t Au depending on geological area. Bulk density, as determined from 2,570 measurements, varies from 3.06 g/cm³ to 3.24 g/cm³ based on geologic area. Mineral Resources are not Mineral Reserves and do not yet have demonstrated economic viability, but are deemed to have a reasonable prospect of economic extraction. Numbers may not add due to rounding. Mineral Resources are reported on a 100% ownership basis.

Greenfield: Boto Gold Project, Senegal

- ✓ 2014 updated indicated resource grew to 1.2 Moz. at 1.7g/t Au from July 2013 initial indicated resource estimate of 1.1 Moz at 1.6 g/t Au
 - › 2014 inferred resource grew by 550,000 oz. at 1.8 g/t Au
- ✓ February 2015 – final assay results continue to show wide intervals of high-grade mineralization at the Malikoundi deposit. Highlights included:
 - › 9m at 10.5 g/t Au (including 5m at 17.55 g/t Au)
 - › 44m at 4.46 g/t Au (including 6m at 14.46 g/t Au)
 - › 40m at 3.25 g/t Au (including 11m at 8.15 g/t Au)
- ✓ Plan to complete 50m x 50m infill delineation campaign in 2015 and to incorporate results into updated resource model

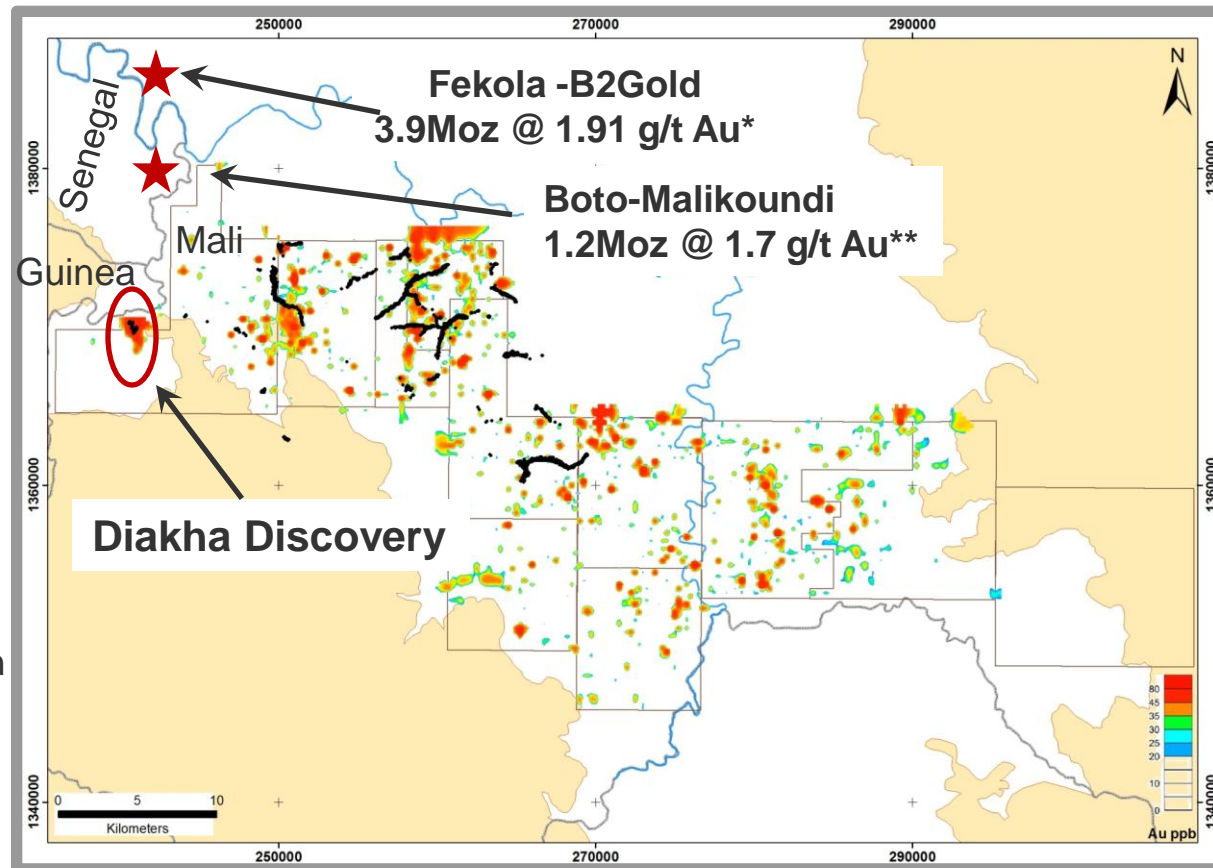
Source: Updated Resource Estimate for Boto Gold, effective December 31, 2014.

Note: CIM Definitions were followed for classification of Mineral Resources. Mineral Resources are estimated at a cut-off grade of 0.60 g/t Au. Mineral Resources are estimated using a gold price of US\$1,500 per ounce. High grade assays are capped at 15 g/t Au to 30 g/t Au depending on geological area. Bulk density varies from 1.61 g/cm³ to 2.62 g/cm³ based on weathering code. The Mineral Resource Estimate is constrained by a Whittle Pit shell. Mineral Resources are not Mineral Reserves and do not yet have demonstrated economic viability, but are deemed to have a reasonable prospect of economic extraction. Numbers may not add due to rounding. Mineral Resources are reported on a 100% ownership basis.



Joint Venture Project Update – Siribaya (Mali) with Merrex Gold Inc.

- ✓ Focus on Diakha prospect - extension of trend hosting Boto Gold deposit
- ✓ 2014 drill program confirmed gold mineralization with similar characteristics to Boto. Highlights included:
 - › 34m at 4.85 g/t Au
 - › 19m at 7.31 g/t Au
 - › 12m at 10.99 g/t Au
- ✓ Assay results confirm significant gold mineralization, good grades, and mineralized zones remain open in all directions
- ✓ 2015 focus to complete infill delineation drilling program to declare a maiden 43-101 compliant resource by end of 2015, as results warrant



Gridded Termite Mound Geochemistry - Au

Joint Venture Project Update – Eastern Borosi (Nicaragua) with Calibre Mining

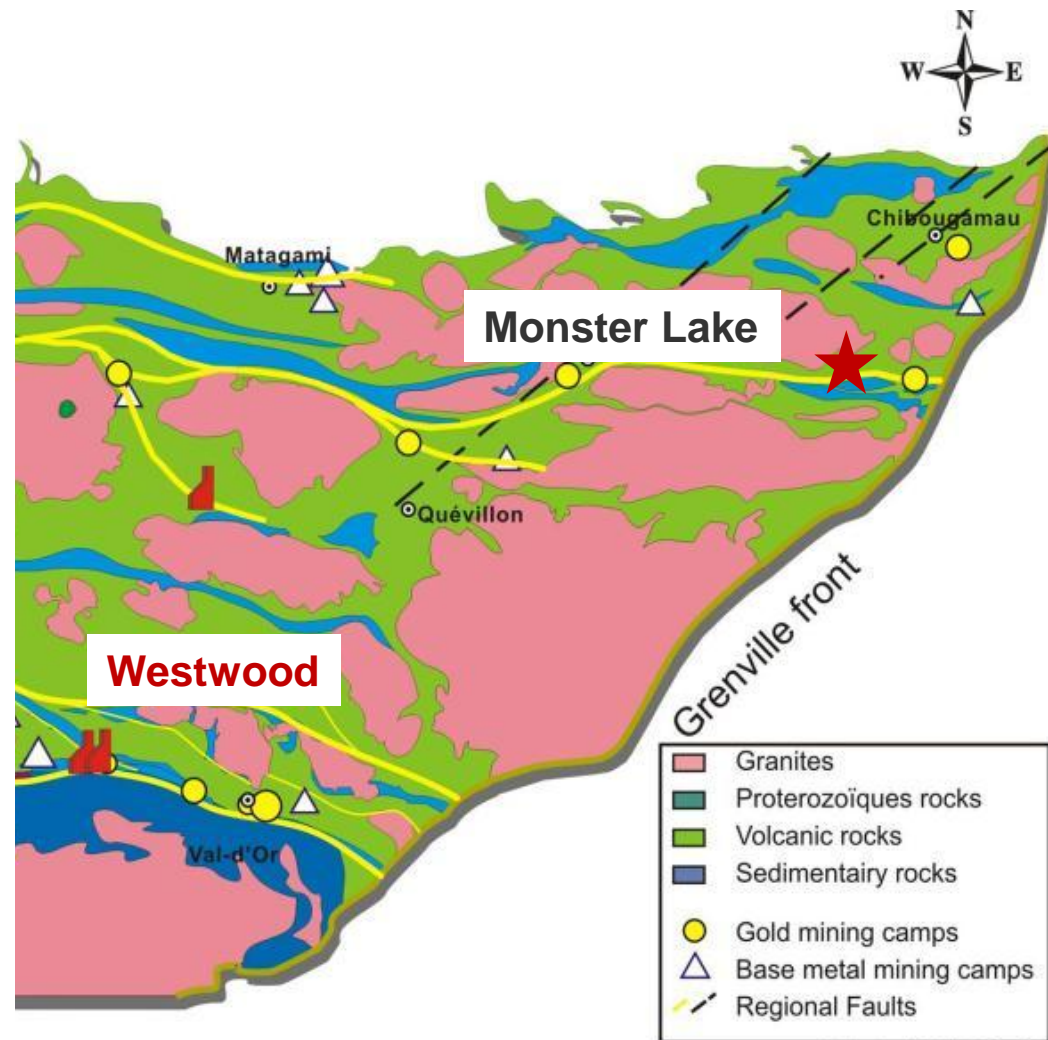
- ✓ 176km² land package with 2 gold and silver deposits and series of exploration targets
- ✓ Q3/14- Phase I drilling completed focused on 3 different vein systems, intercepted high-grade mineralization
- ✓ January 2015 – JV partner announced final assay results from 17 of 40 holes. Highlights included:
 - › 5.1m at 13.44 g/t Au and 14.49 g/t Ag
 - › 2.8m at 26.48 g/t Au and 24.2 g/t Ag
- ✓ Phase II drilling program planned for 2015 to focus of delineation of 2014 discoveries and step out drilling on defined vein systems



Source: Calibre Mining news releases dated September 24, 2014, October 16, 2014, and November 4, 2014.

Joint Venture Project Updates - Monster Lake (Quebec) with Tomagold Corporation

- ✓ Excellent location in Abitibi Greenstone belt
- ✓ High-grade intervals (25 to +30 g/t Au) from previous drilling
- ✓ 2014 diamond drilling program of 12.761m on tested targets along 4km of mineralized corridor
 - › Confirmed presence of high-grade mineralization at depth and identified several new gold-bearing structures
- ✓ February 2015, reported assay results from 17 of 26 holes in drill program. Highlights included:
 - › 9.18m at 46.33 g/t Au
 - › (including 2.2m at 182.8 g/t Au)
 - › 3.42m at 18.68 g/t Au
 - › 7.1m at 6.74 g/t Au



Why invest in IAMGOLD?

- ✓ Diversified portfolio of operating gold mines in friendly mining jurisdictions
- ✓ Owned and operated mines generating positive free cash flow
- ✓ AISC improving - focused on optimizing economic returns from existing assets
- ✓ Demonstrated ability to adapt in a volatile gold market
- ✓ Significant financial flexibility from sale of Niobec
- ✓ Promising exploration pipeline
- ✓ Excellent CSR reputation



Investor Relations
info@iamgold.com

Bob Tait
VP, Investor Relations
T: 416-360-4743

Laura Young
Director, Investor Relations
T: 416-933-4952

Penelope Talbot-Kelly
Analyst, Investor Relations
T: 416-933-4738

TSX: IMG NYSE: IAG

Appendices

2015 Production and Cost Guidance¹

Attributable gold production		<u>Guidance</u>
	Rosebel (000s oz.)	290 – 300
	Essakane (000s oz.)	360 – 370
	Westwood (000s oz.)	110 – 130
	Total owner-operator production (000s oz.)	760 – 800
	Joint ventures (000s oz.)	60
	Total attributable production (000s oz.)	820 – 860
	Total cash costs² – owner-operator (\$/oz.)	\$825 - \$865
	Total cash costs – gold mines³ (\$/oz.)	\$850 - \$900
	All-in sustaining costs² – owner-operator (\$/oz.)	\$1,050 - \$1,150
	All-in sustaining costs – gold mines (\$/oz.)	\$1,075 - \$1,175

¹ The outlook is based on 2015 full year assumptions with an average realized gold price of \$1,250 per ounce, Canadian \$/USD exchange rate of 1.15, USD/€ exchange rate of 1.20 and average crude oil price of \$73/barrel.

² This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for reconciliation to GAAP.

³ Gold mines, as used with total cash costs and all-in sustaining costs, consist of Rosebel, Essakane, Westwood, Sadiola and Yatela on an attributable basis.

2015 Capital Expenditure Outlook

(\$ millions)	Sustaining ¹	Development/ Expansion (Non-sustaining)	Total
Rosebel	70	10	80
Essakane	55	5	60
Westwood	30	50	80
Total gold segments	155	65	220
Côte Gold	-	5	5
Total consolidated	155	70	225
Joint ventures	5	-	5
Total (±10%)	160	70	230

¹ Includes capitalized stripping of \$20M at Rosebel and \$20M at Essakane.

2014 Reserves and Resources¹

As of December 31, 2014	2014	Change	2013
Gold (000s attributable oz. contained)			
Total proven and probable mineral reserves	8,608	(15%)	10,127
Total measured and indicated mineral resources ^{2,3}	21,412	(9%)	23,408
Total inferred resources	7,018	11%	6,299

- Gold reserves were lower than in the previous year due to changes in economic and geotechnical parameters and a reduction in our gold price assumption at our owned and operated mines from \$1,400 to \$1,300 per ounce and the depletion impact of our 2014 production.
- Resources for our owned and operated mines have been estimated at \$1,500 per ounce.

¹ Detail behind the gold price assumptions used to determine reserves and resources can be found in the Reserves and Resources section of the MD&A.

² Measured and indicated gold resources are inclusive of proven and probable reserves.

³ In mining operations, measured and indicated resources that are not mineral reserves are considered uneconomic at the price used for reserves estimations, but are deemed to have a reasonable prospect of economic extraction.

Investor Relations
info@iamgold.com

Bob Tait
VP, Investor Relations
T: 416-360-4743

Laura Young
Director, Investor Relations
T: 416-933-4952

Penelope Talbot-Kelly
Analyst, Investor Relations
T: 416-933-4738

TSX: IMG NYSE: IAG