

# Industrial Metals & Precious Metals

January 24, 2019

## Macro Headwinds Remain, But Not Back to 2015-2016 Lows

### *Eight Capital Metals Pecking Order*

- 1: Gold
- 2: Copper
- 3: Uranium
- 4: Coking coal
- 5: Lithium
- 6: Silver
- 7: Vanadium
- 8: Cobalt
- 9: Iron ore
- 10: Nickel
- 11: Zinc
- 12: Graphite

**Raising gold price forecast; sunnier skies ahead for gold miners.** We see gold's upside potential as outweighing its downside risks, with financial risk playing a larger role in 2019-2020. In our view, increased macro-risk expectations, US-China trade tensions, and lack of offsetting growth engines in mature and emerging markets are likely to see a continued flight-to-quality in hard assets. As long as emerging markets risk, systematic risks, and producer risks remain a bullish signal for gold, the opportunity cost of owning gold remains low and prices vulnerable to the upside. We believe a breakout above the Jan-2018 high of \$1360/oz represents a key level for sentiment among generalist investors.

We raise our forecast for average gold prices to \$1,320/oz in 2019 (+6%) and \$1,350/oz in 2020 (+4%). Our LT gold price of \$1,300/oz is unchanged. We increase our target prices for several of our precious metals names under coverage on the back of higher gold price forecasts.

**Top picks:** Kirkland, Agnico, Roxgold, Wheaton Precious, Franco Nevada

**Macro risks for industrial metals, but not back to 2015-2016 lows.** We lower our base metals price forecasts for 2019-2020 based on lower near-term forecasts for China consumption and global growth. Risk appetite in the short-term will hinge on US-China trade negotiations and direction of the US Dollar; however, we believe increasing risk appetite over the course of 2019 will provide an upward bias to equities given what is priced in, and our constructive view on copper, coking coal, uranium, and lithium. Longer-term, we believe supply-side constraints should keep markets tight, and overall we remain constructive on industrial metals.

We lower our forecast for average copper prices to \$2.95/lb in 2019 (-9%) and \$3.25/lb in 2020 (-4%). Our LT copper price of \$3.25/lb is unchanged. We lower our forecast for average zinc prices to \$1.15/lb in 2019 (-4%) and \$1.13/lb in 2020 (-2%). Our LT zinc price of \$1.05/lb is unchanged. We lower our target prices for select industrial metals names under coverage on the back of lower base metals price forecasts.

**Top picks:** Teck, First Quantum, Lundin

**Strong nuclear power and uranium outlook.** UxC reports that there are 443 nuclear power plants in operation in 31 different countries. Nuclear power capacity is expected to grow between 1-4% per year with Asia representing over half of the global market by 2040. We forecast a uranium supply-demand deficit by 2021/22 as mine production fails to keep up with demand and uranium prices fail to incentivize new production growth.

**Top picks:** Cameco, Uranium Energy, Uranium Participation

**Additions to the US List of Critical Minerals** in May 2018 included Li, Co, Ni, Cg and V. Big auto is behind this electrification push as OEMs have committed \$300 B to date, while the LiB industry has committed \$77 B, and lithium industry only \$12-14 B to date. We anticipate LiB growth at 23% CAGR through 2025. Li consumption will need to expand five-fold, Ni 7x, and Co 3x. Annual EV production surpassed one million units for the first time last year. The next million should be here by March.

**Top picks:** Nemaska, Cobalt 27

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**Summary Target Price Changes**

Company	Ticker	Closing Price*	Analyst	Rating		Target Price		Target Return
				New	Previous	New	Previous	
Agnico Eagle Mines Ltd.	AEM-T	\$52.27	RP	--	BUY	\$65.00	\$60.00	24%
Barrick Gold Corp.	ABX-T	\$15.74	RP	--	NEUTRAL	\$20.00	\$18.00	27%
Cameco Corporation	CCO-T	\$15.35	RP	--	BUY	--	\$18.00	17%
First Quantum Minerals Ltd.	FM-T	\$12.52	RP	--	BUY	\$23.00	\$27.00	84%
Franco-Nevada Corp.	FNV-T	\$93.97	RP	--	BUY	\$110.00	\$105.00	17%
Freeport-McMoRan Inc.	FCX-N	US\$12.31	RP	--	NEUTRAL	\$16.00	US\$20.00	30%
Goldcorp Inc.	G-T	\$14.00	RP	--	NEUTRAL	--	\$18.00	29%
Kinross Gold Corp.	K-T	\$4.18	RP	--	NEUTRAL	\$5.25	\$5.00	26%
Labrador Iron Ore Royalty Corporation	LIF-T	\$23.65	RP	--	NEUTRAL	\$32.00	\$34.00	35%
Lundin Mining Corporation	LUN-T	\$5.59	RP	--	BUY	\$10.00	\$11.00	79%
Royal Gold Inc.	RGLD	US\$81.74	RP	--	NEUTRAL	US\$90.00	US\$80.00	10%
Tahoe Resources Inc.	THO-T	\$4.63	RP	--	NEUTRAL	--	\$4.50	-3%
<b>Teck Resources Ltd.</b>	<b>TECK.B-T</b>	<b>\$29.38</b>	<b>RP</b>	--	<b>BUY</b>	<b>\$42.00</b>	<b>\$45.00</b>	<b>43%</b>
Turquoise Hill Resources Ltd.	TRQ-T	\$2.09	RP	--	BUY	\$5.00	\$5.50	139%
<b>Wheaton Precious Metals Corp.</b>	<b>WPM-T</b>	<b>\$25.15</b>	<b>RP</b>	--	<b>BUY</b>	--	<b>\$35.00</b>	<b>39%</b>
Yamana Gold Inc.	YRI-T	\$3.19	RP	--	BUY	\$4.75	\$4.25	49%
Argonaut Gold	AR-T	\$1.51	CS	--	BUY	\$3.00	\$2.65	99%
B2Gold Corp.	BTO-T	\$3.75	CS	--	BUY	--	\$5.00	33%
Detour Gold Corporation	DGC-T	\$12.36	CS	--	BUY	\$15.75	\$14.80	27%
Eldorado Gold Corporation	ELD-T	\$3.53	CS	--	NEUTRAL	\$4.00	\$4.40	13%
<b>Kirkland Lake Gold Ltd.</b>	<b>KL-T</b>	<b>\$36.88</b>	<b>CS</b>	--	<b>BUY</b>	<b>\$46.00</b>	<b>\$45.00</b>	<b>25%</b>
Osisko Gold Royalties Ltd	OR-T	\$11.75	CS	--	NEUTRAL	\$13.00	\$12.15	11%
<b>Roxgold Inc.</b>	<b>ROXG-T</b>	<b>\$0.75</b>	<b>CS</b>	--	<b>BUY</b>	<b>\$1.40</b>	<b>\$1.25</b>	<b>87%</b>
Superior Gold Inc.	SGI-T	\$0.74	CS	--	BUY	\$1.80	\$1.65	143%
Torex Gold Resources Inc.	TXG-T	\$13.89	CS	--	BUY	\$18.00	\$16.00	30%
Wesdome Gold Mines Ltd.	WDO-T	\$4.24	CS	--	BUY	\$5.25	\$4.70	24%
<b>Cobalt 27 Capital Corp.</b>	<b>KBLT-V</b>	<b>\$3.88</b>	<b>DAT</b>	--	<b>BUY</b>	<b>\$12.50</b>	<b>\$15.00</b>	<b>222%</b>
<b>Nemaska Lithium Inc.</b>	<b>NMX-V</b>	<b>\$0.65</b>	<b>DAT</b>	--	<b>BUY</b>	--	<b>\$2.50</b>	<b>285%</b>
<b>Uranium Energy Corp.</b>	<b>UEC-N</b>	<b>US\$1.23</b>	<b>DAT</b>	--	<b>BUY</b>	--	<b>US\$3.20</b>	<b>160%</b>
<b>Uranium Participation Corp.</b>	<b>U-T</b>	<b>\$4.81</b>	<b>DAT</b>	--	<b>BUY</b>	--	<b>\$5.80</b>	<b>21%</b>

RP: Ralph M. Profiti; CS: Craig Stanley; DAT: Dave A. Talbot

All prices are in C\$ unless otherwise stated. \*Closing Price: After market close (January 23, 2018)

Source: FactSet, Company reports, Eight Capital

**4Q18 Earnings Calendar**

Company	Reporting Currency	Q4 2018E EPS		Q4 2018E EBITDA		Reporting Date	Reporting Time	Call Date	Call Time (EST)	Conference Call Details
		Eight Cap.	Cons.	Eight Cap.	Cons.					
Agnico Eagle Mines Ltd.	USD	\$0.03	\$0.03	\$175	\$173	February-14-18	After market	February-15-18	11:00 am	1-888-231-8191
Argonaut Gold	USD	\$0.04	\$0.04	\$23	--	February-19-19	After market	February-20-19	9:00 am	1-888-231-8191
B2Gold Corp.	USD	\$0.02	\$0.05	\$110	\$152	March-12-19	After market	March-13-19	10:00 am	1-877-291-4570
Barrick Gold Corp.	USD	\$0.03	\$0.08	\$821	\$782	February-13-18	Before market	February-13-18	11:00 am	1-888-319-461
Cameco Corp.	CAD	\$0.22	\$0.25	\$214	\$218	February-08-18	After market	February-09-18	TBA	TBA
Detour Gold Corp.	USD	\$0.15	\$0.12	\$87	\$50	TBA	TBA	TBA	TBA	TBA
Eldorado Gold Corp.	USD	(\$0.02)	\$0.00	\$11	\$14	TBA	TBA	TBA	TBA	TBA
First Quantum Minerals Ltd.	USD	\$0.19	\$0.20	\$522	\$436	February-14-18	After market	February-15-18	TBA	TBA
Franco-Nevada Corp.	USD	\$0.28	\$0.26	\$132	\$126	TBA	TBA	TBA	TBA	TBA
Freeport-McMoRan Inc.	USD	\$0.15	\$0.18	\$1,145	\$1,060	January-24-18	Before market	January-24-18	10:00 am	TBA
Goldcorp Inc.	USD	(\$0.05)	\$0.02	\$235	\$373	February-13-18	TBA	TBA	TBA	TBA
Kinross Gold Corp.	USD	(\$0.00)	(\$0.00)	\$233	\$226	February-13-18	After market	February-14-18	8:00 am	TBA
Kirkland Lake Gold Ltd.	USD	\$0.45	\$0.30	\$175	\$125	TBA	TBA	TBA	TBA	TBA
Labrador Iron Ore Royalty Corp.	CAD	\$0.95	\$0.81	\$35	\$28	TBA	TBA	TBA	TBA	TBA
Lundin Mining Corp.	USD	\$0.02	\$0.04	\$120	\$142	February-14-18	After market	February-15-18	8:00 am	1-877-648-7976
Osisko Gold Royalties Ltd.	CAD	\$0.02	\$0.02	\$27	\$24	TBA	TBA	TBA	TBA	TBA
Roxgold Inc.	USD	\$0.01	\$0.03	\$12	\$19	TBA	TBA	TBA	TBA	TBA
Royal Gold Inc.	USD	\$0.28	\$0.32	\$74	\$87	February-06-18	After market	February-07-18	12:00 pm	1-855-209-8260
Superior Gold Inc.	USD	(\$0.02)	\$0.01	\$3	\$9	TBA	TBA	TBA	TBA	TBA
Teck Resources Ltd.	CAD	\$1.04	\$1.12	\$1,386	\$1,486	February-13-18	Before market	February-13-18	11:00 am	1-855-394-8218
Torex Gold Resources inc.	USD	\$0.11	\$0.13	\$58	--	TBA	TBA	TBA	TBA	TBA
Turquoise Hill Resources Ltd.	USD	\$0.02	\$0.03	\$143	\$121	TBA	TBA	TBA	TBA	TBA
Wesdome Gold Mines Ltd.	CAD	\$0.04	\$0.04	\$12	\$14	TBA	TBA	TBA	TBA	TBA
Wheaton Precious Metals Corp.	USD	\$0.07	\$0.06	\$107	\$119	TBA	TBA	TBA	TBA	TBA
Yamana Gold Inc.	USD	\$0.03	\$0.02	\$210	\$185	February-14-18	After market	February-15-18	9:00 am	1-800-273-9672

Source: FactSet, Company reports, Eight Capital

**TOP PICKS:**

**Agnico Eagle Mines Ltd. (AEM-T, BUY; TP C\$65)** - We believe AEM is one of the best managed gold producers in the peer group, with an attractive pipeline of organic growth opportunities to deliver on a key 2.0Moz/year production threshold, highly prospective exploration targets to deliver reserves growth, and strong free cash flow post-2020. Near-term project catalysts beyond 2.0Moz/year include: (1) LaRonde 3 - evaluating a phased development approach (below the depth of 3.1-3.5Km) where an additional two or three levels will be developed per year through 2022; (2) Goldex Deep 2 and South Zone - exploration and ramp development underway to assess potential to mine portions of the Deep 2 Zone and South Zone; (3) Amaruq Underground - underground ramping underway to carry out additional exploration drilling and assess the potential for underground mining at both the Whale Tail and V zones; (4) Kittila expansion - to 2Mtpa which is expected to result in ~25% increase in gold production starting in 2021; (5) Pinos Altos/Creston Mascota - evaluation of satellite zones, including Cubiro, Reyna de Plata and Madrono; and (6) La India - evaluation of satellite zones, including El Realito.

**Kirkland Lake Gold (KL-T, BUY; TP C\$46)**: The company is expected to announce a reserve and resource update, along with Q4/18 and 2018 financials, in mid to late February. For the reserve and resource update, we believe investors will be focused on the Fosterville Mine in Australia (56% of asset valuation) that currently hosts reserves of 1.7 M oz @ 23 g/t Au. Even after producing 356 k oz in 2018, we expect reserves will top 2 M oz. More important than the increase in ounces is the expected increase in grade that we conservatively expect to be in the range of 25-30 g/t Au.

**Roxgold (ROXG-T, BUY; TP C\$1.40)**: As expected, the company topped guidance of 120-130 k oz for 2018, producing 132,656 oz. We forecast production to rise over 10% in 2019 to 150 k oz as the Bagassi South expansion ramps up. In addition to \$60 M cash (\$22 M net cash), we calculate ROXG will generate \$37 M in free cash flow in 2019 at spot gold even after repaying \$13 M in debt.

**Teck Resources Inc. (TECKb-T, BUY; TP C\$42)** - We continue to see valuation upside for TECK shares driven by high margins in coking coal, our constructive outlook for copper and zinc prices, and unlocking value in the project development portfolio. Near-term project catalysts include full production and steady-state operations at Fort Hills (4Q18), Highland Valley 2040 PFS (4Q18), Zafranal FS (1Q19), NeuvaUnion FS (3Q19), and San Nicolas PFS and SEIA submission (2H19). TECK shares are currently trading at 0.65x on P/NAV and 3.7/3.7x on FY19/20 EV/EBITDA (based on our \$163/\$150 per tonne coking coal forecasts) vs. 5.4x historical average (NTM).

**First Quantum Minerals Inc. (FM-T, BUY; TP C\$23)** - Cobre Panama remains a valuation game-changer for returns and cash flow growth and is a big part of FM's ambitious growth plan to grow copper production to 903Kt (our estimate) in 2020 (from 570Kt in 2017). We expect four key regulatory updates in the near-term to provide additional re-rating catalysts: (1) Zambia tax - a tax policy committee to be appointed to address technical issues related to new tax regime. FM continues to accrue VAT (to be abolished under the new tax regime) of \$392Mln. (2) Cobre Panama (Law 9) - FM remains confident of resolving Law 9 clarification in the near-to-medium term. (3) ZRA tax assessment - FM's view of the final claim remains unchanged vs. disclosure in 1Q18 (immaterial impact) and remains engaged with ZRA. (4) ZCCM dispute - Fuller hearing on ZCCM's application to take place March 2019.

**Cameco Corp. (CCO-T, BUY; TP C\$18)** - We believe the next several months will provide significant re-rating catalysts to drive uranium markets and CCO, including: (1) tightening uranium fundamentals (supply-demand, Section 232); (2) the increased role of enrichment in uranium pricing; (3) continued release of working capital as CCO inventories are drawn down; (4) CCO's own activity in the spot and term market as a buyer; and (5) CCO's US\$682Mln counter-claim against TEPCO, which goes to arbitration in 1Q19. A premium valuation has long been part of the investment narrative for Cameco. Rising earnings power on the expectations of stronger uranium prices over the long-term, together with a unique market position and business profile, with high industry barriers to entry and lack of investment alternatives, have kept CCO valuation at a premium. Post the financial crisis/uranium inventory liquidation period of July 2010 - March 2011, CCO's equity-implied uranium price rose +64% to \$94/lb (from \$57/lb) vs. spot price +71% to \$69.75/lb and LT price +26% to \$73/lb. In our view, the biggest risk to our call on uranium markets and CCO valuation remains the greater role of enrichment (tails assays) and broader inventories in providing nuclear fuel supply, which to us, seems to have structurally changed buying behaviour in the market.

**Uranium Energy Corp. (UEC-N, BUY; TP US\$3.20)** - Investors should look to UEC for the future, focusing on production potential and leverage to rising uranium prices with its 100% spot exposure. UEC purchases quality projects on the cheap - preparing a low-cost hub & spoke production strategy for a turn in uranium prices. It has amassed an ISR portfolio of 58MM lbs of Measured and Indicated, and 45MM lbs of Inferred U3O8. We expect a number of projects to be ready for a quick ramp-up when prices turn, and estimate ultimate production potential of over 5MM lbs by 2022. The producing Hobson ISR plant in South Texas, with potential feed from several nearby permitted satellite projects such as La Palangana, Goliad and Burke Hollow, is essentially on standby as we wait for uranium prices to cooperate. Most of Burke Hollow still remains unexplored, but its final mine permit and aquifer exemption were received while still awaiting approval on the Radioactive Material License (RML). Fully permitted 27 MM lb Reno Creek ISR project in Wyoming is ready to develop with planned annual capacity of 2 MM lbs. UEC also hosts various permitted uranium assets and the Alto Panana titanium project in Paraguay. Alto Panana is one of the highest-grade and largest Ferro-titanium deposits, with a resource estimate of 4.94B tons grading 7.41% TiO2 and 23.5% Fe2O3.

**Uranium Participation Corp. (U-T, BUY; TP C\$5.80)** - UPC is an established and liquid physical uranium holding company. Its main strategy is to buy and hold uranium, while not actively trading or speculating on uranium prices. We consider this stock to be an established barometer and a method for investors to gauge the sentiment of the uranium market by offering direct exposure to the commodity. Holding only physical uranium eliminates much of the execution, technical, jurisdictional, and permitting risks inherent to mining and exploration companies. The company had been trading at a premium to its NAV throughout most of 2017 and 2018 (averaging 1.1x), having shifted into discount territory by late 2018 and now essentially trades at par. This infers an implied underlying uranium price of US\$28.91/lb. Uranium Participation's performance is largely tied to uranium price performance. A US\$1.00/5.00 increase in our U3O8 price deck would result in a C\$22MM/\$111MM increase in our net asset value estimate

**Cobalt 27 Capital (KBLT-V, BUY; TP US\$12.50)** - Cobalt 27 offers a pure play investment for those interested in direct ownership of physical cobalt and the FCF generation of a streaming and royalty company. KBLT allows for investor participation in the electric vehicle (EV) renaissance and increasing demand for lithium ion batteries, while limiting risks typically associated with mining, development, exploration, permitting and geopolitical uncertainty. We continue to recommend KBLT as a BUY, and adjust our target price to C\$12.50/sh (from \$15.00/sh) after revising our multiple from 1.3x to 1.0x on its cobalt inventory and applying a 1-year forecasted cobalt price of US\$38.00/lb to physical inventory (previously using our US\$42/lb LT forecast). The company also recently acquired a working interest in RAMU's Ni-Co producing mine in Papua, New Guinea. We anticipate up to a C\$145MM drawdown from an enlarged credit facility (recently upsized to US\$200 MM) to fund an increased working interest in the RAMU from 8.56% to 11.3% in H2/19. We note KBLT has currently been trading at trough levels, near 0.3x on a P/NAV basis. This is an unusually low trading base for a streamer/royalty and physical commodity holding company. As investors begin to wade back into the cobalt market or start to pay up for its pending streaming assets, we reiterate KBLT as one of best opportunities to gain exposure to the cobalt commodity and EV thematic, without the direct risks associated with other miners, developers and junior explorers.

**Nemaska Lithium Inc. (NMX-V, BUY; TP C\$2.50)** - Nemaska is becoming one of the few vertically integrated lithium companies that should be ready to take advantage of potentially rising lithium prices over the next several years. Expected to be a low cost producer with near-term cash flow, the strong management team recently financially de-risked Capex and Opex by aligning with long-term, world-class partners in the financial, lithium and battery sectors. Phase I LiOH and LCE production has already provided proof of concept, and this should pay dividends as Phase II mining and processing ramps up. Focus as of late has shifted to Phase II construction and Phase I operations. Whabouchi lithium mine is on track with production of spodumene concentrate slotted for late next year, and +6.0% Li2O spodumene concentrate sales in 2020. Full LCE/LiOH production is expected for H2/2020 upon completion of the Shawinigan hydrometallurgical plant.

## METALS PRICE FORECAST UPDATE

Industrial metals downturn not as severe as 2015-2016; equities already pricing in much of the downside risk. Compared to the 2015-2016 slump, we see the S&P/TSX Global Mining Index at 75% above the low compared to copper prices at 37%, zinc at 79%, and iron ore and coking coal at 93% and 176%, respectively. The average P/NAV and FY19 EV/EBITDA for our Senior Industrial Metals is 0.6x and 3.2x, respectively, with copper equities (FCX, FM LUN, TRQ) pricing in an average \$2.52/lb copper price vs. spot at \$2.75/lb. In our view, valuations are reflecting a weaker and more protracted macro-downturn scenario.

### Commodity Price Deck - Updated Forecasts

Eight Capital: Commodity Price and F/X Forecasts		2015	2016	2017	Q1	Q2	Q3	Q4	2018	Q1	Q2	Q3	Q4	2019	2020	2021	2022	LT
<b>INDUSTRIAL METALS</b>																		
Copper	(US\$/lb)	2.50	2.21	2.80	3.16	3.12	2.78	2.80	2.97	2.75	2.90	3.05	3.10	2.95	3.25	3.25	3.25	3.25
previous change								2.90	2.99	3.10	3.25	3.25	3.40	3.25	3.40			
								-3%	-1%	-11%	-11%	-6%	-9%					
Nickel	(US\$/lb)	5.39	4.35	4.72	6.02	6.57	6.02	5.22	5.96	5.25	5.50	6.00	6.25	5.75	6.50	7.00	7.50	7.50
previous change								6.00	6.15	6.25	6.50	6.50	6.75	6.50	7.00	7.50	8.00	8.00
								-13%	-3%	-16%	-15%	-8%	-7%	-12%	-7%	-7%	-6%	-6%
Zinc	(US\$/lb)	0.88	0.95	1.31	1.55	1.41	1.15	1.19	1.33	1.15	1.15	1.15	1.15	1.15	1.13	1.10	1.05	1.05
previous change								1.20	1.33	1.20	1.20	1.20	1.20	1.20	1.15			
								-1%	-0%	-4%	-4%	-4%	-4%	-2%				
Lead	(US\$/lb)	0.81	0.85	1.05	1.14	1.08	0.95	0.89	1.02	0.90	0.95	0.95	1.00	0.95	1.00	1.00	0.95	0.95
previous change								1.00	1.04	1.03	1.03	1.03	1.03	1.03				
								-11%	-2%	-12%	-7%	-7%	-2%					
Uranium (Spot)	(US\$/lb)	36.84	26.48	23.18	21.45	21.86	25.47	28.50	24.32	35.00	35.00	35.00	35.00	35.00	40.00	50.00	60.00	60.00
previous change								29.00	24.45									
								-2%	-1%									
<b>PRECIOUS METALS</b>																		
Gold	(US\$/oz)	1,160	1,248	1,259	1,330	1,306	1,212	1,229	1,269	1,300	1,300	1,325	1,350	1,320	1,350	1,300	1,300	1,300
previous change								1,210	1,265	1,225	1,250	1,250	1,275	1,250	1,300			
								2%	0%	6%	4%	6%	6%	6%	4%			
Silver	(US\$/oz)	15.69	17.10	17.09	16.75	16.54	15.00	14.55	15.71	16.00	16.00	16.00	17.50	16.38	17.50	17.00	17.00	17.00
previous change								15.00	15.82	15.00			17.00	16.00	18.00	18.00	18.00	18.00
								-3%	-1%	7%			3%	2%	-6%	-6%	-6%	-6%
<b>BATTERY METALS</b>																		
Lithium Carbonate (FOB S. America)	(US\$/t)	5,112	11,573	14,266	14,583	15,416	14,833	13,968	14,700	11,500	11,500	11,500	11,500	11,500	11,500	11,500	11,500	11,500
previous change								11,000	13,958									
								27%	5%									
Lithium Hydroxide (FOB N. America)	(US\$/t)	7,283	16,146	17,992	16,500	17,166	17,125	16,468	16,815	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500
previous change								13,000	15,948									
								27%	5%									
Cobalt (99.3%)	(US\$/lb)	12.99	11.55	25.27	37.12	39.62	35.21	32.23	36.05	32.00	32.00	34.00	34.00	33.00	38.00	40.00	40.00	40.00
previous change								35.00	36.74	36.00	36.00	37.00	37.00	36.50				
								-8%	-2%	-11%	-11%	-8%	-8%	-10%				
Graphite - (Large Flake)	(US\$/t)	1,635	1,287	1,479	1,753	1,943	2,036	1,073	1,701	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
previous change								1,400	1,783									
								-23%	-5%									
Graphite - (Medium Flake)	(US\$/t)	1,088	960	1,082	1,278	1,270	1,265	936	1,187	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
previous change								1,200	1,253									
								-22%	-5%									
Graphite - (Fine Flake)	(US\$/t)	872	695	720	799	816	823	614	763	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
previous change								1,100	885									
								-44%	-14%									
<b>STEELMAKING RAW MATERIALS</b>																		
Iron Ore Fines (62% CFR China)	(US\$/t)	55	58	72	74	66	67	72	70	65	65	60	60	63	65	60	60	60
previous change								63	67	60	60			60	60			
								15%	4%	8%	8%			4%	8%			
Hard Coking Coal (FOB Australia)	(US\$/t)	102	114	228	231	190	188	220	207	180	180	180	180	180	160	150	150	150
previous change								165	194	165	165	160	150	160	150			
								33%	7%	9%	9%	13%	20%	13%	7%			
<b>CURRENCIES</b>																		
Canadian Dollar	(US\$)	0.78	0.76	0.77	0.791	0.775	0.765	0.757	0.772	0.750	0.760	0.775	0.800	0.771	0.800	0.800	0.800	0.800
previous change								0.785	0.779	0.800	0.800	0.800	0.800	0.800	0.825	0.850	0.850	0.850
								-4%	-1%	-6%	-5%	-3%		-4%	-3%	-6%	-6%	-6%

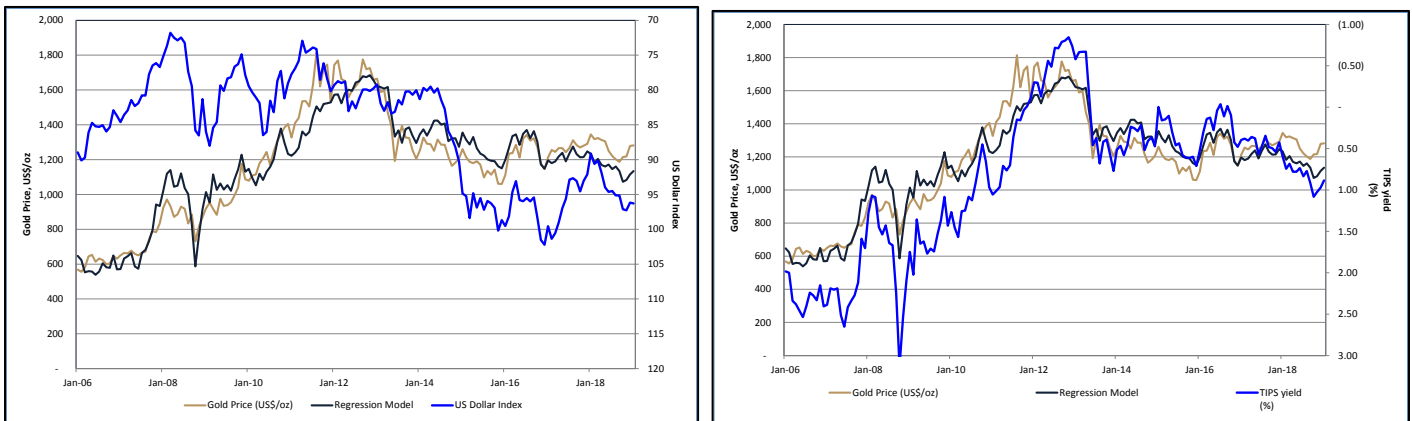
Source: Bloomberg, Eight Capital estimates

**GOLD**

We raise our forecast for average gold prices to \$1,320/oz in 2019 (+6%) and \$1,350/oz in 2020 (+4%). Our LT gold price of \$1,300/oz is unchanged. We increase our target prices for several of our precious metals names under coverage on the back of higher gold price forecasts.

We see gold's upside potential as outweighing its downside risks, with financial risk playing a larger role in 2019-2020. In our view, increased macro-risk expectations, US-China trade tensions, and lack of offsetting growth engines in mature and emerging markets are likely to see a continued flight-to-quality in hard assets. As long as emerging markets risk, systematic risks, and producer risks remain a bullish signal for gold, the opportunity cost of owning gold remains low and prices vulnerable to the upside. We believe a breakout above the Jan-2018 high of \$1360/oz represents a key level for sentiment among generalist investors.

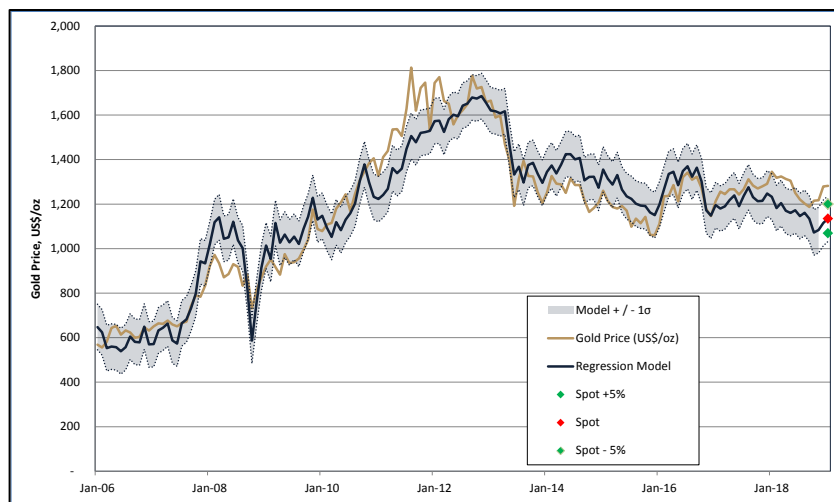
**Gold Price vs. US Dollar DXY (Left) and TIPS yield (Right)**



Source: Bloomberg, Eight Capital estimates

The key impetus for the Fed to back off its tightening bias and lowering its rate-hiking guidance was the 4Q18 deflationary shock, in part due to a 40% correction in oil prices and slowing global growth. Our gold price model suggests gold is pricing in a degree of continued weakening in the US Dollar, which is confirmed by our Technical Analyst Tina Normann, CMT, illustrating carving out of an intermediate topping pattern in the DXY, as well as a benign outlook for moves in US real rates.

**Eight Capital Gold Price Model**



Source: Bloomberg, Eight Capital estimates

## COPPER

We lower our forecast for average copper prices to \$2.95/lb in 2019 (-9%) and \$3.25/lb in 2020 (-4%). Our LT copper price of \$3.25/lb is unchanged and based on the low end of our incentive price analysis of \$3.25-3.60/lb.

We see a more broadly balanced copper market in 2019 growing materially tighter in 2020 with market deficits of 110Kt and 198Kt, respectively. Our 2018-2020 global refined copper production CAGR of 3.0% compares to global refined copper consumption of 2.8%.

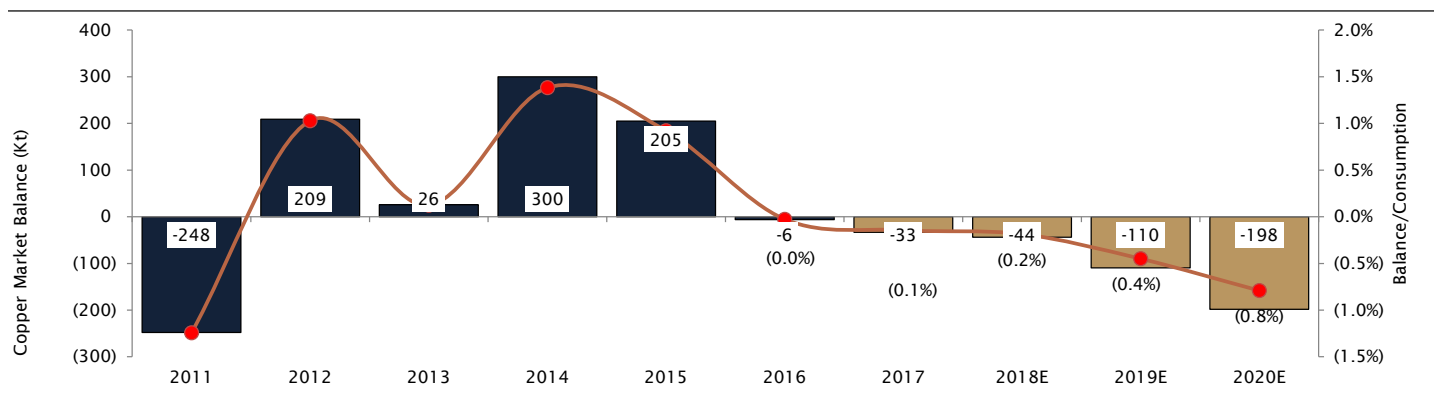
We forecast global mine production to increase by 2.6% in 2019 vs. +1.6% in 2018 due to increased contributions from new projects and expansions (Cobre Panama, Glencore-Africa, Toquepala, Buenavista del Cobre). We forecast global mine production growth of 3.3% in 2020.

We estimate global refined copper consumption grew at 3.2% in 2018 vs. 0.9% in 2017, including China growth of 4.6% vs. 1.8% in 2017. We now forecast global refined copper consumption growth of 2.7% in 2018, including China growth of 4.3% and ex-China growth of 1.3%. Our 2020 global refined copper consumption forecast goes to 2.9%, including China growth of 4% and ex-China growth of 1.9%.

We estimate the copper market was in deficit of 44Kt in 2018 vs. 33Kt in 2017, and we now forecast a 110Kt deficit in 2019 and a 198Kt deficit in 2020.

### Global Copper Supply-Demand Balance

000 tonnes	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018E	2019E	2020E	
<b>Mine Production</b>	15,879	16,061	16,107	16,708	18,020	18,272	18,984	19,916	20,189	20,521	21,063	21,753	
% Growth		1.1%	0.3%	3.7%	7.9%	1.4%	3.9%	4.9%	1.4%	1.6%	2.6%	3.3%	
<i>Refined/Mine Production ratio</i>	115.8%	119.1%	122.4%	122.8%	117.6%	120.3%	118.3%	114.3%	113.7%	115.4%	115.2%	114.4%	
<b>Refined Production</b>	18,388	19,131	19,719	20,513	21,191	21,990	22,458	22,766	22,946	23,679	24,261	24,876	
% Growth		4.0%	3.1%	4.0%	3.3%	3.8%	2.1%	1.4%	0.8%	3.2%	2.5%	2.5%	
China								10,485	10,676	11,167	11,647	12,113	
North America								2,290	2,253	2,362	2,374	2,421	
Europe								3,847	3,906	3,906	3,914	3,953	
Other								6,150	6,144	6,288	6,436	6,587	
<b>Refined Consumption</b>	17,262	19,197	19,967	20,304	21,165	21,690	22,253	22,772	22,979	23,723	24,371	25,074	
% Growth		11.2%	4.0%	1.7%	4.2%	2.5%	2.6%	2.3%	0.9%	3.2%	2.7%	2.9%	
China % Growth									1.8%	4.6%	4.3%	4.0%	
Ex-China % Growth									0.1%	2.1%	1.3%	1.9%	
<b>Copper Market Balance (Kt)</b>		-66	-248	209	26	300	205	-6	-33	-44	-110	-198	
% Deficit		0.0%	(0.3%)	(1.2%)	1.0%	0.1%	1.4%	0.9%	(0.0%)	(0.1%)	(0.2%)	(0.4%)	(0.8%)



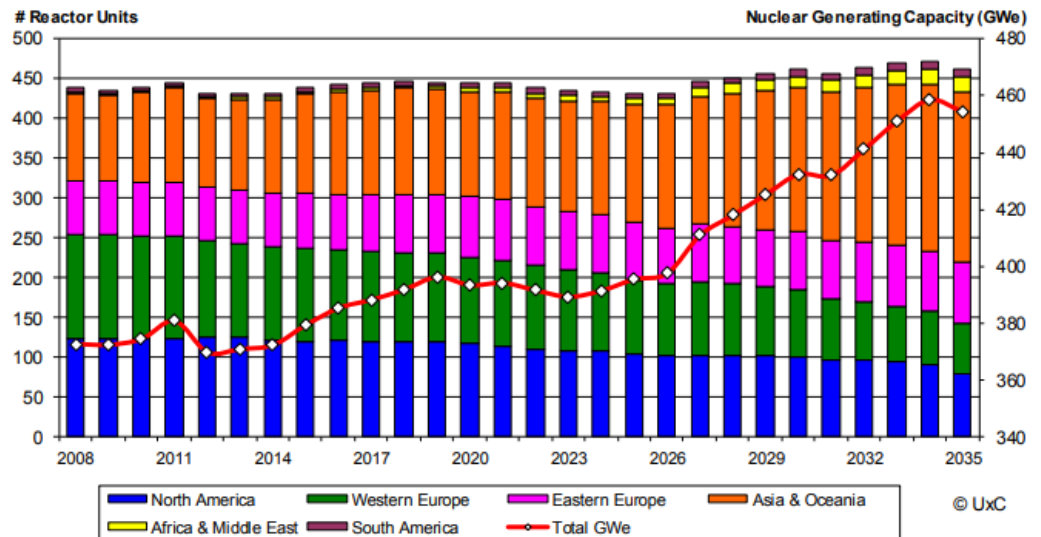
Source: Metal Bulletin, S&P Global Market Intelligence, ICSG, WBMS, Eight Capital estimates

### URANIUM

We maintain a strong nuclear power outlook. Nuclear power capacity is expected to grow between 1-4% per year. Asia remains the key growth area and represents over half of the global market by 2040. Declining nuclear capacity in the west should be more than offset by expanding capacity in Asia and other emerging markets such as eastern Europe, Africa and the Middle East. UxC reports that there are 443 nuclear power plants in operation in 31 different countries. This is expected to grow to 444 reactors in 32 countries by 2020; 452 in 33 countries by 2025; and 462 reactors in 34 countries by 2035.

***Nuclear power generating capacity forecast 2008-2035. There was a lag after Fukushima in 2011 and there could be another in the mid-2020s should many of the reactors built in the 1960s and 1970s be retired, absent of any extensions.***

***UxC reports that there are 443 nuclear power plants in operation in 31 different countries. This is expected to grow to 444 reactors in 32 countries by 2020; 452 in 33 countries by 2025; and 462 reactors in 34 countries by 2035.***



Source: UxC Uranium Market Outlook Q3/18

Eight Capital forecasts a uranium supply-demand deficit four to five years out as mine production fails to keep up with demand (2021/22). Our upper scenario estimate suggests a ~54.4 MM lbs supply/demand gap emerging in 2025. Until uranium prices actually turn to incentivize new U3O8 production growth, we will likely continue to expect an earlier supply gap than the 2023 forecast by the WNA.

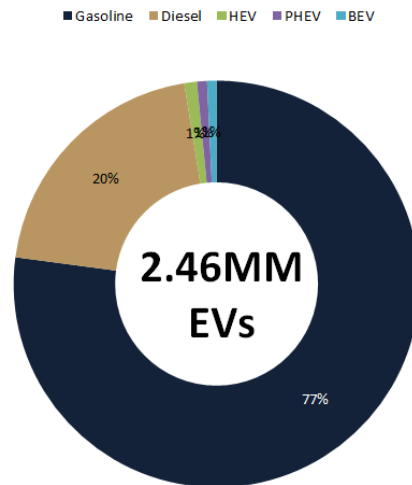


### BATTERY METALS

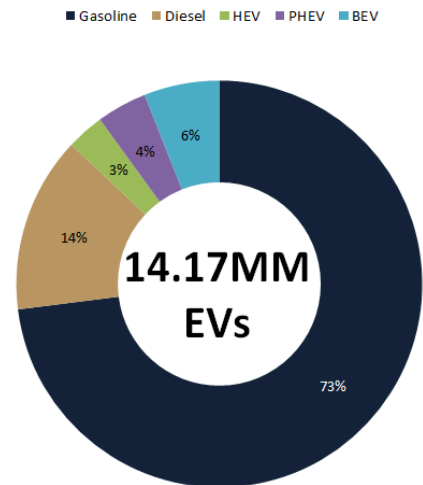
We estimate +14MM new Electric Vehicles p.a. by 2025. EV penetration rates vary from 2.5% to 36% in 2025, but do appear to be increasing as more EVs hit the streets. Commitments from big auto total an unprecedented US\$300BB to develop EVs and procure or manufacture batteries over the next 5-10 years. China will be the driving force of growth in EV and battery manufacturing, as it will see 45% of all EV sector spending (see note: [Electric Vehicle Fundamentals Strengthen...into China](#)). We maintain our 13% penetration rate estimate, holding our base case of new car registrations constant at 2%. It is difficult to determine what future vehicles might look like, but we assume that EV sales growth accelerates in 2022, driven both by regulation initiatives and cost-parity with internal combustion engines. This requires LiB sector investment above already ambitious plans to meet demand.

#### *Global car sales by fuel source in 2017 and 2025*

2017 - Global Car Sales by Fuel Source



2025 - Global Car Sales by Fuel Source

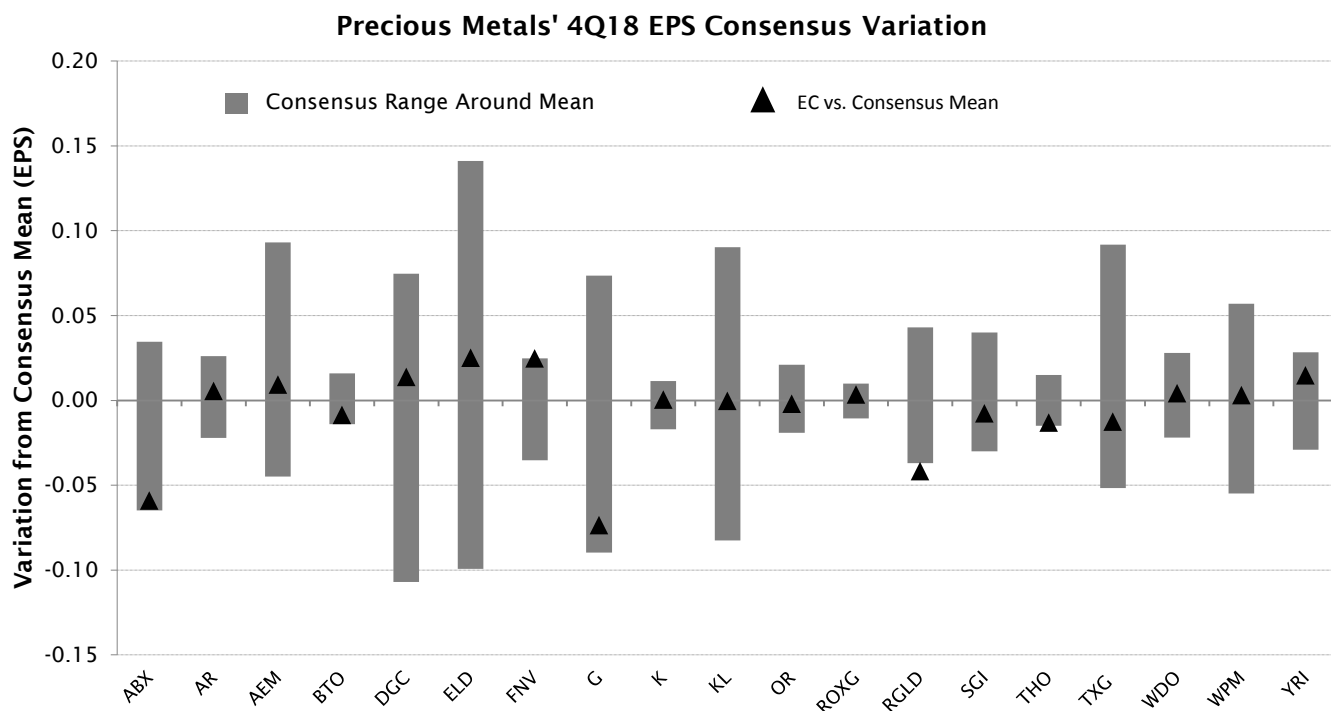


*While we anticipate ICE vehicles will continue to dominate the industry over the next decade, we do expect market share of BEVs, PHEVs, and HEVs to increase from 3.7% in 2018 to 13% in 2025*

Source: Eight Capital estimates, OICA, Statista

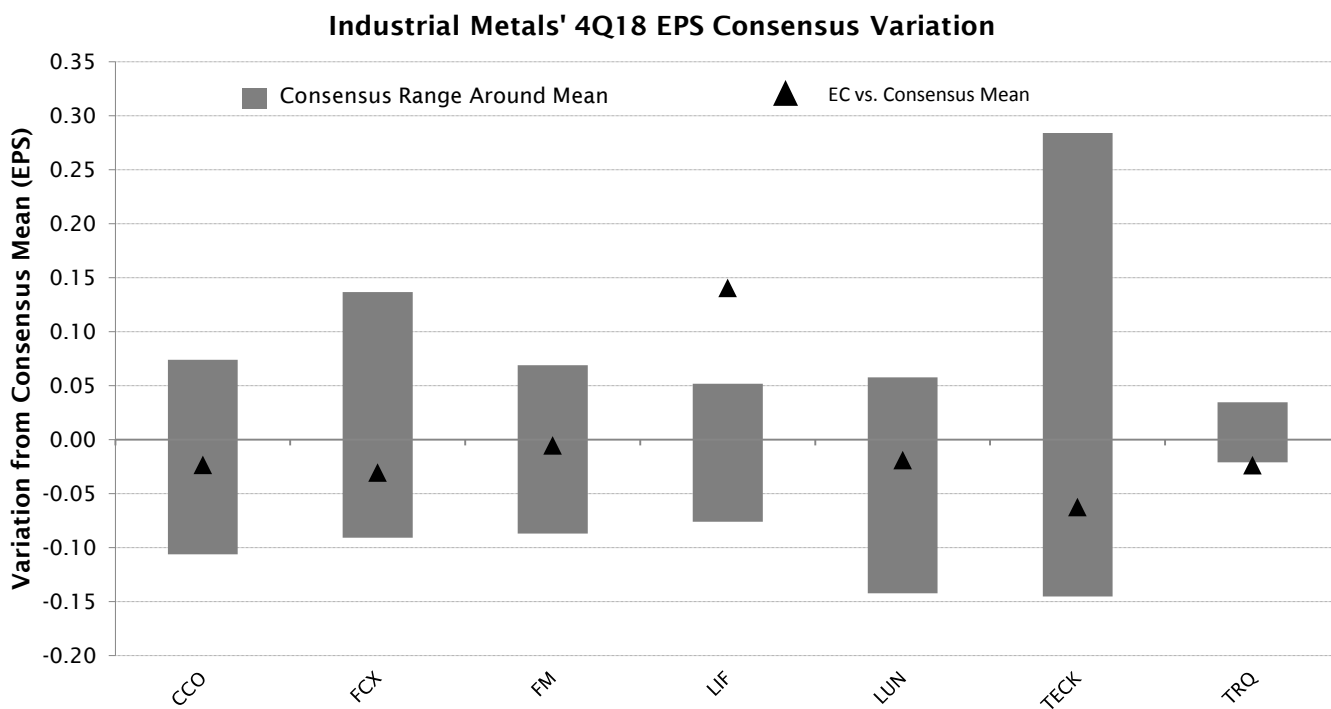
We forecast Lithium ion battery (LiB) demand growth of 20% CAGR. Mega-factory construction and planning has increased from three projects in 2015 to 51 potential sites by 2028. Even should just a few of these mega-factories get built, we expect it to be enough to drive raw material demand. Benchmark Mineral Intelligence estimates that between 2017 and 2028, consumption would increase by over 660% for LCE (115,840t to 882,000t), 660% for graphite (173,760t to 1,323,000t), 300% for Co (57,581t to 218,412t), and 800% for Ni (58,395t to 513,200t).

**Precious Metals - 4Q18 EPS Consensus Variation**



Source: FactSet, Eight Capital estimates

**Industrial Metals - 4Q18 EPS Consensus Variation**



Source: FactSet, Eight Capital estimates

**Senior Industrial Metals - New and Previous Forecasted EBITDA and EPS**

Comcast Corporation (1)	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	84	18	50	214	366	383	311
<i>previous</i>					377	376	311
EPS	0.06	(0.07)	0.04	0.22	0.25	0.17	0.16
<i>previous</i>					0.28	0.14	0.16

Covered by R. Profiti; (1) Reporting currency is in C\$

First Quantum Minerals Ltd.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	363	466	427	522	1,778	2,438	3,539
<i>previous</i>					1,727	2,817	3,766
EPS	0.07	0.19	0.19	0.19	0.63	0.95	1.66
<i>previous</i>					0.61	1.33	1.93

Covered by R. Profiti

Freeport-McMoRan Inc.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	1,928	2,128	1,801	1,145	7,002	4,548	6,021
<i>previous</i>					7,063	5,515	6,593
EPS	0.46	0.58	0.35	0.15	1.54	0.50	1.14
<i>previous</i>					1.55	0.78	1.32

Covered by R. Profiti

Lundin Mining Corporation	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	204	211	111	120	646	764	1,177
<i>previous</i>					685	743	1,005
EPS	0.11	0.11	0.01	0.02	0.25	0.31	0.57
<i>previous</i>					0.28	0.30	0.47

Covered by R. Profiti

Teck Resources Ltd. (1)	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	1,574	1,427	2,073	1,386	6,460	4,998	4,404
<i>previous</i>					6,517	4,663	4,569
EPS	1.31	1.12	0.80	1.04	4.28	3.70	3.05
<i>previous</i>					4.32	3.29	3.22

Covered by R. Profiti; (1) Reporting currency is in C\$

Turquoise Hill Resources Ltd.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	94	106	47	143	389	294	646
<i>previous</i>					328	416	674
EPS	0.04	0.02	0.03	0.02	0.11	0.02	0.11
<i>previous</i>					0.10	0.03	0.10

Covered by R. Profiti

(1) In C\$; Source: Eight Capital estimates, Company reports

**Senior Precious Metals - New and Previous Forecasted EBITDA and EPS**

<b>Agnico Eagle Mines Ltd.</b>	<b>Q1/18A</b>	<b>Q2/18A</b>	<b>Q3/18A</b>	<b>Q4/18E</b>	<b>2018E</b>	<b>2019E</b>	<b>2020E</b>
EBITDA	219	183	171	175	748	1,059	1,181
<i>previous</i>					739	916	1,082
EPS	0.15	0.01	0.01	0.03	0.21	0.88	1.03
<i>previous</i>					0.17	0.56	0.83

Covered by R. Profiti

<b>Barrick Gold Corp.</b>	<b>Q1/18A</b>	<b>Q2/18A</b>	<b>Q3/18A</b>	<b>Q4/18E</b>	<b>2018E</b>	<b>2019E</b>	<b>2020E</b>
EBITDA	842	674	715	821	3,052	4,126	4,673
<i>previous</i>					3,107	4,026	4,440
EPS	0.15	0.07	0.08	0.03	0.32	0.42	0.56
<i>previous</i>					0.36	0.32	0.51

Covered by R. Profiti

<b>Goldcorp Inc.</b>	<b>Q1/18A</b>	<b>Q2/18A</b>	<b>Q3/18A</b>	<b>Q4/18E</b>	<b>2018E</b>	<b>2019E</b>	<b>2020E</b>
EBITDA	334	327	165	235	1,061	1,966	2,211
<i>previous</i>					1,040	1,790	2,085
EPS	0.08	0.05	(0.08)	(0.05)	(0.00)	0.45	0.49
<i>previous</i>					(0.02)	0.33	0.40

Covered by R. Profiti

<b>Kinross Gold Corp.</b>	<b>Q1/18A</b>	<b>Q2/18A</b>	<b>Q3/18A</b>	<b>Q4/18E</b>	<b>2018E</b>	<b>2019E</b>	<b>2020E</b>
EBITDA	371	237	156	233	996	1,115	1,555
<i>previous</i>					1,004	1,012	1,522
EPS	0.10	0.03	(0.04)	(0.00)	0.09	0.10	0.25
<i>previous</i>					0.09	0.04	0.21

Covered by R. Profiti

<b>Kirkland Lake Gold Ltd.</b>	<b>Q1/18A</b>	<b>Q2/18A</b>	<b>Q3/18A</b>	<b>Q4/18E</b>	<b>2018E</b>	<b>2019E</b>	<b>2020E</b>
EBITDA	100	118	124	175	518	609	772
<i>previous</i>					518	556	729
EPS	0.25	0.30	0.29	0.45	1.29	1.51	1.72
<i>previous</i>					1.29	1.33	1.57

Covered by C. Stanley

(1) In C\$; Source: Eight Capital estimates, Company reports

**Intermediate Precious Metals - New and Previous Forecasted EBITDA and EPS**

Argonaut Gold	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	22	18	9	23	72	86	116
<i>previous</i>					65	99	103
EPS	0.07	0.00	(0.01)	0.04	0.10	0.11	0.19
<i>previous</i>					0.08	0.16	0.14

Covered by C. Stanley

B2Gold Corp.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	183	142	147	110	583	579	540
<i>previous</i>					586	502	520
EPS	0.06	0.02	0.05	0.02	0.14	0.16	0.18
<i>previous</i>					0.14	0.11	0.17

Covered by C. Stanley

Detour Gold Corp.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	83	75	50	87	295	223	294
<i>previous</i>					266	217	286
EPS	0.06	0.12	(0.01)	0.15	0.32	0.12	0.74
<i>previous</i>					0.24	0.45	0.68

Covered by C. Stanley

Eldorado Gold Corp.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	42	38	2	11	92	124	147
<i>previous</i>					118	132	154
EPS	0.03	(0.00)	(0.03)	(0.02)	(0.02)	(0.15)	(0.19)
<i>previous</i>					0.02	(0.12)	(0.16)

Covered by C. Stanley

Roxgold Inc.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	29	22	16	12	79	91	102
<i>previous</i>					79	92	97
EPS	0.03	0.03	0.02	0.01	0.09	0.11	0.13
<i>previous</i>					0.08	0.11	0.12

Covered by C. Stanley

Superior Gold Inc.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	(1)	7	2	3	11	32	48
<i>previous</i>					10	25	43
EPS	(0.06)	0.01	(0.02)	(0.02)	(0.09)	0.08	0.18
<i>previous</i>					(0.09)	0.03	0.14

Covered by C. Stanley

Tahoe Resources Inc.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	36	30	19	29	114	278	456
<i>previous</i>					112	236	433
EPS	(0.02)	(0.05)	(0.06)	(0.07)	(0.19)	0.14	0.55
<i>previous</i>					(0.20)	0.04	0.49

Covered by R. Profiti

Torex Gold Resources Inc.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	31	41	58	58	188	238	263
<i>previous</i>					188	238	263
EPS	0.12	0.13	0.09	0.11	0.45	0.47	0.66
<i>previous</i>					0.45	0.47	0.66

Covered by C. Stanley

Wesdome Gold Mines Ltd. (1)	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	8	12	12	12	44	56	64
<i>previous</i>					42	41	53
EPS	0.02	0.04	0.03	0.04	0.13	0.22	0.29
<i>previous</i>					0.13	0.15	0.23

Covered by C. Stanley; (1) Reporting currency is in C\$

Yamana Gold Inc.	Q1/18A	Q2/18A	Q3/18A	Q4/18E	2018E	2019E	2020E
EBITDA	161	170	160	210	701	764	898
<i>previous</i>					661	794	909
EPS	0.01	0.06	0.02	0.03	0.13	0.14	0.19
<i>previous</i>					0.11	0.11	0.21

Covered by R. Profiti

(1) In C\$; Source: Eight Capital estimates, Company reports

**Streaming & Royalty - New and Previous Forecasted EBITDA and EPS**

<b>Franco-Nevada Corp.</b>	<b>Q1/18A</b>	<b>Q2/18A</b>	<b>Q3/18A</b>	<b>Q4/18E</b>	<b>2018E</b>	<b>2019E</b>	<b>2020E</b>
EBITDA	138	125	132	132	526	592	637
<i>previous</i>					526	568	620
EPS	0.34	0.29	0.29	0.28	1.19	1.31	1.46
<i>previous</i>					1.19	1.20	1.37

Covered by R. Profiti

<b>Wheaton Precious Metals Corp.</b>	<b>Q1/18A</b>	<b>Q2/18A</b>	<b>Q3/18A</b>	<b>Q4/18E</b>	<b>2018E</b>	<b>2019E</b>	<b>2020E</b>
EBITDA	130	138	112	107	488	591	649
<i>previous</i>					495	558	630
EPS	0.16	0.16	0.08	0.07	0.46	0.61	0.73
<i>previous</i>					0.48	0.54	0.69

Covered by R. Profiti

<b>Royal Gold Inc. (2)</b>	<b>Q1/19A</b>	<b>Q2/19E</b>	<b>Q3/19E</b>	<b>Q4/19E</b>	<b>2019E</b>	<b>2020E</b>	<b>2021E</b>
EBITDA	74	74	86	88	320	374	380
<i>previous</i>					353	387	377
EPS	0.25	0.28	0.42	0.50	1.42	2.27	2.24
<i>previous</i>					1.61	2.34	2.19

Covered by R. Profiti; (2) Fiscal year ends June 30th

<b>Osisko Gold Royalties Ltd. (1)</b>	<b>Q1/18A</b>	<b>Q2/18A</b>	<b>Q3/18A</b>	<b>Q4/18E</b>	<b>2018E</b>	<b>2019E</b>	<b>2020E</b>
EBITDA	26	23	24	27	101	131	150
<i>previous</i>					96	117	145
EPS	0.03	0.02	0.04	0.02	0.10	0.30	0.36
<i>previous</i>					0.11	0.24	0.34

Covered by C. Stanley; (1) Reporting currency is in C\$

<b>Labrador Iron Ore Royalty Corp. (1)</b>	<b>Q1/18A</b>	<b>Q2/18A</b>	<b>Q3/18A</b>	<b>Q4/18E</b>	<b>2018E</b>	<b>2019E</b>	<b>2020E</b>
EBITDA	27	3	35	42	107	127	114
<i>previous</i>					101	122	106
EPS	0.47	(0.05)	0.91	0.95	2.28	2.47	1.97
<i>previous</i>					2.06	2.28	1.68

Covered by R. Profiti; (1) Reporting currency is in C\$

(1) In C\$; Source: Eight Capital estimates, Company reports

## INDUSTRIAL METALS &amp; PRECIOUS METALS - SUMMARY VALUATIONS &amp; RECOMMENDATIONS

January 23, 2019

Ticker	Currency (Exch)	Price (Exch)	Analyst	Rating	Target Price	Return to TP	Mkt. Cap. (\$Mln)	E.V. (US\$m)	Net Asset Value		EV/EBITDA			Div.	Share performance				
									NAVPS	P/NAV	2019	2020	2021	Yield	1Wk	1Mth	3Mth	1Yr	
<b>Diversified - Global (Consensus)</b>																			
Anglo American plc	AAL.L	GBP	18.01	n/a	n/a	n/a	n/a	US\$33,047	41,928	n/a	n/a	4.6	4.7	4.8	4.3%	0.1%	2.5%	8.0%	0.2%
BHP Billiton Ltd.	BHP.A	AUD	32.63	n/a	n/a	n/a	n/a	US\$68,555	84,367	n/a	n/a	3.6	3.8	3.7	4.9%	-0.9%	-1.8%	-1.2%	6.5%
Vale S.A.	VALE.B	BRL	55.65	n/a	n/a	n/a	n/a	US\$77,397	89,179	n/a	n/a	5.2	5.7	5.6	0.0%	5.2%	8.3%	-5.6%	29.1%
Glencore plc	GLEN.L	GBP	2.87	n/a	n/a	n/a	n/a	US\$52,298	80,777	n/a	n/a	4.8	4.5	3.8	5.2%	-0.6%	1.0%	-6.7%	-27.9%
Rio Tinto plc	RIO.L	GBP	37.62	n/a	n/a	n/a	n/a	US\$62,576	76,596	n/a	n/a	4.1	4.5	4.1	5.9%	-1.4%	1.2%	3.9%	-3.8%
South32 Ltd.	S32.A	AUD	3.34	n/a	n/a	n/a	n/a	US\$12,033	9,911	n/a	n/a	4.4	4.2	4.0	4.2%	-1.2%	5.7%	-11.1%	-10.4%
<b>Group Average</b>												<b>4.4</b>	<b>4.5</b>	<b>4.3</b>	<b>4.1%</b>	<b>0.2%</b>	<b>2.8%</b>	<b>-2.1%</b>	<b>-1.1%</b>
<b>Industrial Metals - Senior</b>																			
Cameco Corporation	CCO-T	CAD	15.35	Profiti	BUY	CAD 18.00	17%	C\$6,075	5,213	14.27	1.08	17.2	20.5	8.5	0.5%	-6.0%	5.2%	2.9%	28.7%
First Quantum Minerals	FM-T	CAD	12.52	Profiti	BUY	CAD 23.00	84%	C\$8,660	13,800	20.25	0.62	5.5	3.5	2.7	0.1%	15.2%	21.8%	-1.7%	-33.7%
Freeport-McMoRan Inc.	FCX-N	USD	12.31	Profiti	NEUTRAL	USD 16.00	30%	US\$17,923	27,971	20.48	0.60	6.0	4.3	2.8	1.6%	7.0%	23.2%	3.2%	-38.1%
Lundin Mining	LUN-T	CAD	5.59	Profiti	BUY	CAD 10.00	79%	C\$4,094	2,303	11.32	0.49	3.0	1.5	0.9	2.2%	-4.6%	4.3%	4.1%	-36.3%
Teck Resources Ltd.	TECKb-T	CAD	29.38	Profiti	BUY	CAD 42.00	43%	C\$16,885	15,546	35.87	0.82	3.6	3.7	4.0	0.7%	-0.6%	5.7%	-3.3%	-17.8%
Turquoise Hill Resources	TRQ-T	CAD	2.09	Profiti	BUY	CAD 5.00	139%	C\$4,206	4,899	5.20	0.40	17.6	7.4	9.3	0.0%	3.8%	10.7%	-8.0%	-47.8%
<b>Group Average (ex-CCO)</b>												<b>7.1</b>	<b>4.1</b>	<b>3.9</b>	<b>0.9%</b>	<b>4.1%</b>	<b>13.1%</b>	<b>-1.2%</b>	<b>-34.8%</b>
<b>Precious Metals - Senior</b>																			
Agnico Eagle Mines Ltd.	AEM-T	CAD	52.27	Profiti	BUY	CAD 65.00	24%	C\$12,290	10,403	29.56	1.77	9.8	8.3	8.5	1.1%	1.2%	-2.9%	10.4%	-8.1%
Barrick Gold Corporation	ABX-T	CAD	15.74	Profiti	NEUTRAL	CAD 20.00	27%	C\$18,369	19,580	10.25	1.53	4.4	3.4	4.0	2.4%	0.2%	-11.8%	-8.3%	-12.7%
Goldcorp Inc.	G-T	CAD	14.00	Profiti	NEUTRAL	CAD 18.00	29%	C\$12,166	11,720	10.24	1.37	6.0	5.2	5.3	0.8%	3.3%	11.3%	1.1%	-22.2%
Kinross Gold Corp.	K-T	CAD	4.18	Profiti	NEUTRAL	CAD 5.25	26%	C\$5,245	5,213	3.49	1.20	4.4	2.9	2.9	0.0%	1.9%	-0.7%	13.6%	-21.8%
Kirkland Lake Gold	KL.TO	CAD	36.88	Stanley	BUY	CAD 46.00	25%	C\$7,774	5,590	23.72	1.55	9.0	6.7	5.8	0.4%	5.1%	9.7%	31.2%	88.8%
<b>Group Average</b>												<b>6.7</b>	<b>5.3</b>	<b>5.3</b>	<b>0.9%</b>	<b>2.3%</b>	<b>1.1%</b>	<b>9.6%</b>	<b>4.8%</b>
<b>Precious Metals - Intermediate</b>																			
Argonaut Gold	AR.TO	CAD	1.51	Stanley	BUY	CAD 3.00	99%	C\$268	188	3.33	0.45	1.9	0.8	0.1	0.0%	-4.0%	5.1%	-5.8%	-46.9%
B2Gold Corp.	BTO.TO	CAD	3.75	Stanley	BUY	CAD 5.00	33%	C\$3,708	3,200	3.62	1.04	5.2	4.9	4.7	0.0%	-3.1%	-1.3%	6.9%	-1.9%
Detour Gold Corporation	DGC.TO	CAD	12.36	Stanley	BUY	CAD 15.75	27%	C\$2,167	1,715	19.78	0.62	7.4	5.2	4.6	0.0%	2.6%	14.0%	10.5%	-12.6%
Eldorado Gold Corp.	ELD.TO	CAD	3.53	Stanley	NEUTRAL	CAD 4.00	13%	C\$2,796	2,391	9.52	0.37	22.2	21.3	26.5	0.0%	-9.4%	-8.7%	-39.7%	-57.4%
Roxgold Inc.	ROXG.TO	CAD	0.75	Stanley	BUY	CAD 1.40	87%	C\$280	186	1.13	0.66	1.5	0.9	0.5	0.0%	0.0%	1.3%	-14.1%	-38.3%
Superior Gold Inc.	SGI.TO	CAD	0.74	Stanley	BUY	CAD 1.80	143%	C\$71	31	2.13	0.35	0.4	n/a	n/a	0.0%	-2.7%	-8.9%	-12.2%	-40.0%
Tahoe Resources	THO-T	CAD	4.63	Profiti	NEUTRAL	CAD 4.50	-3%	C\$1,453	1,139	11.78	0.39	4.0	2.2	4.7	0.0%	-6.5%	-4.0%	29.9%	-19.0%
Torex Gold Resources Inc.	TXG.TO	CAD	13.89	Stanley	BUY	CAD 18.00	30%	C\$1,179	1,108	19.98	0.70	4.2	3.0	2.8	0.0%	3.9%	15.8%	10.6%	15.9%
Wesdome Gold Mines Ltd.	WDO.TO	CAD	4.24	Stanley	BUY	CAD 5.25	24%	C\$571	411	4.70	0.90	9.8	8.9	3.8	0.0%	-0.7%	6.2%	8.3%	104.8%
Yamana Gold Inc.	YRI-T	CAD	3.19	Profiti	BUY	CAD 4.75	49%	C\$3,029	3,988	2.78	1.15	4.3	3.1	2.6	0.8%	-1.2%	-0.6%	-6.8%	-25.8%
<b>Group Average</b>												<b>6.1</b>	<b>5.6</b>	<b>5.6</b>	<b>0.1%</b>	<b>-2.1%</b>	<b>1.9%</b>	<b>-1.2%</b>	<b>-12.1%</b>
<b>Precious Metals - Developers</b>																			
Continental Gold Inc.	CNL-T	CAD	1.83	Stanley	BUY	CAD 5.85	220%	C\$345	380	4.12	0.44	n/a	21.6	2.6	0.0%	-7.5%	-8.5%	-28.7%	-50.7%
GFG Resources Inc.	GFG-T	CAD	0.21	Stanley	BUY	CAD 0.70	233%	C\$16	9	0.66	0.32	n/a	n/a	n/a	0.0%	5.3%	5.3%	-25.9%	-58.3%
INV Metals Inc.	INV-T	CAD	0.73	Stanley	BUY	CAD 1.60	119%	C\$73	46	1.43	0.51	n/a	n/a	1.4	0.0%	2.7%	19.0%	59.6%	2.7%
Lundin Gold Inc.	LUG-T	CAD	4.82	Stanley	BUY	CAD 6.90	43%	C\$574	585	5.50	0.88	n/a	6.3	3.4	0.0%	0.0%	-0.6%	-2.0%	-3.4%
Osisko Mining Inc.	OSK-T	CAD	2.55	Stanley	NEUTRAL	CAD 2.60	2%	C\$530	341	2.62	0.97	n/a	n/a	n/a	0.0%	-7.0%	-3.1%	-17.6%	-24.9%
SilverCrest Metals, Inc.	SIL-T	CAD	4.47	Stanley	BUY	CAD 4.45	0%	C\$356	256	4.42	1.01	n/a	n/a	9.1	0.0%	10.0%	28.4%	19.2%	122.3%
<b>Group Average</b>												<b>n/a</b>	<b>13.9</b>	<b>4.1</b>	<b>0.0%</b>	<b>0.6%</b>	<b>6.8%</b>	<b>0.8%</b>	<b>-2.0%</b>
<b>Streaming &amp; Royalty</b>																			
Franco-Nevada Inc.	FNV-T	CAD	93.97	Profiti	BUY	CAD 110.00	17%	C\$17,543	13,058	45.64	2.06	20.9	18.8	19.1	1.4%	0.6%	-0.7%	11.1%	-1.2%
Wheaton Precious Metals	WPM-T	CAD	25.15	Profiti	BUY	CAD 35.00	39%	C\$11,177	9,629	19.49	1.29	16.2	14.5	14.4	1.9%	-0.2%	-2.2%	12.1%	-7.0%
Royal Gold Inc.*	RGLD-N	USD	81.74	Profiti	NEUTRAL	USD 90.00	10%	US\$5,351	5,589	58.91	1.39	16.9	13.7	n/a	1.3%	0.7%	-0.8%	5.8%	-6.0%
Labrador Iron Ore Royalty Corp.	LIF-T	CAD	23.65	Profiti	NEUTRAL	CAD 32.00	35%	C\$1,514	1,087	22.57	1.05	11.2	12.3	14.1	4.4%	-7.5%	-9.2%	-19.6%	-14.9%
Osisko Gold Royalties Ltd.	OR.TO	CAD	11.75	Stanley	NEUTRAL	CAD 13.00	11%	C\$1,836	1,586	12.35	0.95	16.3	13.7	10.5	1.7%	-1.4%	2.8%	10.8%	-18.5%
<b>Group Average</b>												<b>16.3</b>	<b>14.6</b>	<b>14.5</b>	<b>2.1%</b>	<b>-1.6%</b>	<b>-2.0%</b>	<b>4.0%</b>	<b>-9.5%</b>

Source: Company reports, Eight Capital, FactSet

\*RGLD FY ends on June 30th

## INDUSTRIAL METALS &amp; PRECIOUS METALS - EIGHT CAPITAL ESTIMATES

January 23, 2019

	Currency (Acctg)	EBITDA			EPS			CFPS			Capex			Free Cash Flow		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
<b>Diversified - Global (Consensus)</b>																
Anglo American plc	USD	8,869	8,640	8,338	2.41	2.39	2.20	5.04	5.40	5.24	2,847	3,762	4,112	3,170	2,971	2,250
BHP Billiton Ltd.	USD	22,973	21,584	21,324	1.63	1.58	1.63	3.47	3.39	3.59	6,595	6,895	6,475	16,065	8,514	8,698
Vale S.A.	USD	16,923	15,156	15,168	1.43	1.64	1.55	2.34	2.35	2.28	3,078	4,184	4,239	10,428	7,827	7,599
Glencore plc	USD	16,541	16,728	17,290	0.46	0.43	0.45	0.84	0.90	0.94	4,784	4,741	4,478	6,972	8,182	8,422
Rio Tinto plc	USD	17,462	15,700	16,016	5.01	4.46	4.40	7.31	7.18	7.32	5,383	5,687	6,000	9,212	6,909	6,509
South32 Ltd.	USD	2,501	2,379	2,282	0.24	0.22	0.22	0.39	0.40	0.39	685	600	589	1,283	1,398	1,275
<b>Group Average</b>																
<b>Industrial Metals - Senior</b>																
Cameco Corporation	CAD	383	311	723	0.17	0.16	0.99	0.69	0.61	1.31	(123)	(87)	(240)	232	226	278
First Quantum Minerals	USD	2,438	3,539	3,887	0.95	1.66	2.28	2.42	3.34	3.85	(1,000)	(647)	(543)	1	2	3
Freeport-McMoRan Inc.	USD	4,548	6,021	8,136	0.50	1.14	1.96	2.43	3.21	4.36	(2,330)	(1,982)	(1,717)	1	2	3
Lundin Mining	USD	764	1,177	1,359	0.31	0.57	0.70	0.89	1.33	1.51	(667)	(286)	(270)	(79)	622	776
Teck Resources Ltd.	CAD	4,998	4,404	4,114	3.70	3.05	2.74	7.10	6.24	5.82	(1,663)	(2,050)	(3,147)	2,403	1,498	163
Turquoise Hill Resources	USD	294	646	621	0.02	0.11	0.05	0.16	0.32	0.26	(1,442)	(1,296)	(1,373)	(1,121)	(661)	(855)
<b>Group Average (ex-CCO)</b>																
<b>Precious Metals - Senior</b>																
Agnico Eagle Mines Ltd.	USD	1,059	1,181	1,084	0.88	1.03	0.76	3.85	4.35	4.03	(588)	(328)	(323)	311	687	618
Barrick Gold Corporation	USD	4,126	4,673	3,873	0.44	0.58	0.41	1.94	2.07	1.75	(1,352)	(1,451)	(2,171)	1,761	2,166	882
Goldcorp Inc.	USD	1,966	2,211	1,969	0.45	0.49	0.25	2.03	2.31	2.12	(1,618)	(1,576)	(891)	152	437	960
Kinross Gold Corp.	USD	1,115	1,555	1,391	0.10	0.25	0.16	0.78	1.09	1.00	(597)	(833)	(793)	384	530	461
Kirkland Lake Gold	USD	609	772	810	1.51	1.72	1.01	2.11	2.89	3.41	(351)	(244)	(224)	92	363	491
<b>Group Average</b>																
<b>Precious Metals - Intermediate</b>																
Argonaut Gold	USD	86	116	124	0.11	0.19	0.18	0.40	0.55	0.60	(55)	(30)	(27)	16	68	80
B2Gold Corp.	USD	579	540	491	0.16	0.18	0.17	0.39	0.46	0.42	(231)	(100)	(70)	156	357	342
Detour Gold Corporation	USD	223	294	311	0.12	0.74	0.78	1.27	1.66	1.80	(172)	(174)	(213)	51	117	102
Eldorado Gold Corp.	USD	124	147	120	(0.15)	(0.19)	(0.76)	0.54	0.65	0.64	(334)	(489)	(150)	(249)	(387)	(47)
Roxgold Inc.	USD	91	102	83	0.11	0.13	0.11	0.23	0.24	0.20	(34)	(43)	(23)	52	47	53
Superior Gold Inc.	USD	32	48	43	0.08	0.18	0.14	0.29	0.42	0.39	(9)	(10)	(6)	19	31	31
Tahoe Resources	USD	278	456	285	0.14	0.55	0.25	0.65	1.17	0.71	(122)	(280)	(555)	82	86	(332)
Torex Gold Resources Inc.	USD	238	263	239	0.47	0.66	0.50	2.46	2.77	2.66	(102)	(32)	(94)	107	204	132
Wesdome Gold Mines Ltd.	CAD	56	64	128	0.22	0.29	0.60	0.40	0.34	0.81	(51)	(78)	(23)	2	(32)	86
Yamana Gold Inc.	USD	764	898	890	0.14	0.19	0.17	0.65	0.77	0.77	(254)	(228)	(302)	360	506	432
<b>Group Average</b>																
<b>Precious Metals - Developers</b>																
Continental Gold Inc.	USD	(16)	28	197	(0.05)	(0.02)	0.31	(0.06)	(0.02)	0.51	(190)	(77)	(37)	(207)	(82)	100
GFG Resources Inc.	USD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INV Metals Inc.	CAD	(7)	(9)	158	(0.01)	(0.02)	0.33	(0.02)	(0.03)	0.46	(113)	(244)	(32)	(117)	(251)	83
Lundin Gold Inc.	USD	(33)	142	217	(0.25)	0.19	0.41	(0.35)	0.36	0.70	(442)	26	18	(515)	104	167
Osisko Mining Inc.	CAD	(25)	(25)	(25)	(0.10)	(0.08)	(0.11)	(0.05)	(0.04)	(0.07)	(60)	(164)	(199)	(73)	(177)	(220)
SilverCrest Metals, Inc.	CAD	(6)	(6)	39	(0.04)	(0.04)	0.24	(0.06)	(0.05)	0.40	(14)	(54)	(50)	(19)	(59)	(12)
<b>Group Average</b>																
<b>Streaming &amp; Royalty</b>																
Franco-Nevada Inc.	USD	592	637	608	1.31	1.46	1.46	2.90	3.13	3.01	-	-	-	360	404	381
Wheaton Precious Metals	USD	591	649	640	0.61	0.73	0.66	1.25	1.38	1.36	(449)	(218)	(246)	106	396	361
Royal Gold Inc.*	USD	320	374	-	1.42	2.27	-	4.29	5.18	-	(0)	-	-	199	273	-
Labrador Iron Ore Royalty Corporatio	CAD	127	114	99	2.47	1.97	1.37	2.67	2.28	1.72	-	-	-	171	146	110
Osisko Gold Royalties Ltd.	CAD	131	150	185	0.30	0.36	0.35	0.73	0.75	0.96	(172)	-	-	(58)	117	150
<b>Group Average</b>																

Source: Company reports, Eight Capital, FactSet



## INDUSTRIAL METALS &amp; PRECIOUS METALS - VALUATION

January 23, 2019

	Currency (Acctg)	EV/EBITDA			P/E			P/CF			FCF Yield		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
<b>Diversified - Global (Consensus)</b>													
Anglo American plc	USD	4.6	4.7	4.8	9.8	9.8	10.7	4.7	4.4	4.5	9.6%	9.0%	6.8%
BHP Billiton Ltd.	USD	3.6	3.8	3.7	14.2	14.7	14.2	6.7	6.9	6.5	23.4%	12.4%	12.7%
Vale S.A.	USD	5.2	5.7	5.6	10.3	9.0	9.5	6.2	6.2	6.4	13.5%	10.1%	9.8%
Glencore plc	USD	4.8	4.5	3.8	8.1	8.6	8.3	4.5	4.2	4.0	13.3%	15.6%	16.1%
Rio Tinto plc	USD	4.1	4.5	4.1	9.8	11.0	11.2	6.7	6.8	6.7	14.7%	11.0%	10.4%
South32 Ltd.	USD	4.4	4.2	4.0	10.1	10.8	11.0	6.1	5.9	6.0	10.7%	11.6%	10.6%
<b>Group Average</b>		<b>4.4</b>	<b>4.5</b>	<b>4.3</b>	<b>10.4</b>	<b>10.7</b>	<b>10.8</b>	<b>5.8</b>	<b>5.7</b>	<b>5.7</b>	<b>14.2%</b>	<b>11.6%</b>	<b>11.1%</b>
<b>Industrial Metals - Senior</b>													
Cameco Corporation	CAD	17.2	20.5	8.5	n/a	n/a	15.5	22.1	25.2	11.7	3.8%	3.7%	4.6%
First Quantum Minerals	USD	5.5	3.5	2.7	9.8	5.6	4.1	3.9	2.8	2.4	0.0%	0.0%	0.0%
Freeport-McMoRan Inc.	USD	6.0	4.3	2.8	24.5	10.8	6.3	5.1	3.8	2.8	0.0%	0.0%	0.0%
Lundin Mining	USD	3.0	1.5	0.9	13.7	7.3	5.9	4.7	3.2	2.8	-2.6%	20.3%	25.3%
Teck Resources Ltd.	CAD	3.6	3.7	4.0	7.9	9.6	10.7	4.1	4.7	5.0	14.2%	8.9%	1.0%
Turquoise Hill Resources	USD	17.6	7.4	9.3	n/a	14.6	29.2	9.8	5.0	6.1	-35.6%	-21.0%	-27.2%
<b>Group Average (ex-CCO)</b>		<b>7.1</b>	<b>4.1</b>	<b>3.9</b>	<b>14.0</b>	<b>9.6</b>	<b>11.3</b>	<b>5.5</b>	<b>3.9</b>	<b>3.8</b>	<b>-4.8%</b>	<b>1.6%</b>	<b>-0.2%</b>
<b>Precious Metals - Senior</b>													
Agnico Eagle Mines Ltd.	USD	9.8	8.3	8.5	44.4	38.1	n/a	10.2	9.0	9.7	3.4%	7.5%	6.7%
Barrick Gold Corporation	USD	4.4	3.4	4.0	27.1	20.5	28.5	6.1	5.7	6.7	12.8%	15.7%	6.4%
Goldcorp Inc.	USD	6.0	5.2	5.3	23.2	21.5	41.7	5.2	4.5	4.9	1.7%	4.8%	10.5%
Kinross Gold Corp.	USD	4.4	2.9	2.9	32.8	12.6	19.8	4.0	2.9	3.1	9.8%	13.5%	11.8%
Kirkland Lake Gold	USD	9.0	6.7	5.8	18.3	16.1	27.2	13.1	9.5	8.1	1.6%	6.2%	8.4%
<b>Group Average</b>		<b>6.7</b>	<b>5.3</b>	<b>5.3</b>	<b>29.1</b>	<b>21.8</b>	<b>29.3</b>	<b>7.3</b>	<b>5.9</b>	<b>6.1</b>	<b>5.8%</b>	<b>9.6%</b>	<b>8.8%</b>
<b>Precious Metals - Intermediate</b>													
Argonaut Gold	USD	1.9	0.8	0.1	10.2	5.8	6.4	2.8	2.1	1.9	8.0%	33.8%	39.7%
B2Gold Corp.	USD	5.2	4.9	4.7	17.9	15.3	16.5	7.2	6.1	6.7	5.6%	12.9%	12.3%
Detour Gold Corporation	USD	7.4	5.2	4.6	n/a	12.5	11.8	7.3	5.6	5.1	3.1%	7.2%	6.3%
Eldorado Gold Corp.	USD	22.2	21.3	26.5	n/a	n/a	n/a	4.9	4.1	4.1	-11.9%	-18.5%	-2.3%
Roxgold Inc.	USD	1.5	0.9	0.5	5.1	4.2	5.3	2.4	2.3	2.8	24.7%	22.3%	25.1%
Superior Gold Inc.	USD	0.4	n/a	n/a	7.1	3.1	3.9	1.9	1.3	1.4	35.2%	57.7%	58.7%
Tahoe Resources	USD	4.0	2.2	4.7	24.6	6.3	14.1	5.3	3.0	4.9	7.6%	7.9%	-30.5%
Torex Gold Resources Inc.	USD	4.2	3.0	2.8	22.2	15.8	20.7	4.2	3.7	3.9	12.1%	23.1%	14.9%
Wesdome Gold Mines Ltd.	CAD	9.8	8.9	3.8	19.6	14.6	7.1	10.7	12.5	5.3	0.4%	-5.6%	15.0%
Yamana Gold Inc.	USD	4.3	3.1	2.6	17.5	12.7	14.3	3.7	3.1	3.1	15.9%	22.3%	19.1%
<b>Group Average</b>		<b>6.1</b>	<b>5.6</b>	<b>5.6</b>	<b>15.5</b>	<b>10.0</b>	<b>11.1</b>	<b>5.0</b>	<b>4.4</b>	<b>3.9</b>	<b>10.1%</b>	<b>16.3%</b>	<b>15.8%</b>
<b>Precious Metals - Developers</b>													
Continental Gold Inc.	USD	n/a	21.6	2.6	n/a	n/a	4.5	n/a	n/a	2.7	-80.2%	-31.7%	38.6%
GFG Resources Inc.	USD	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0%	0.0%	0.0%
INV Metals Inc.	CAD	n/a	n/a	1.4	n/a	n/a	2.2	n/a	n/a	1.6	-159.8%	-342.4%	113.2%
Lundin Gold Inc.	USD	n/a	6.3	3.4	n/a	19.0	8.8	n/a	9.9	5.2	-119.9%	24.2%	38.8%
Osisko Mining Inc.	CAD	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-13.8%	-33.4%	-41.6%
SilverCrest Metals, Inc.	CAD	n/a	n/a	9.1	n/a	n/a	18.5	n/a	n/a	11.3	-5.4%	-16.4%	-3.5%
<b>Group Average</b>		<b>n/a</b>	<b>13.9</b>	<b>4.1</b>	<b>n/a</b>	<b>19.0</b>	<b>8.5</b>	<b>n/a</b>	<b>9.9</b>	<b>5.2</b>	<b>-63.2%</b>	<b>-66.6%</b>	<b>24.3%</b>
<b>Streaming &amp; Royalty</b>													
Franco-Nevada Inc.	USD	20.9	18.8	19.1	n/a	48.3	48.3	24.3	22.5	23.4	2.7%	3.1%	2.9%
Wheaton Precious Metals	USD	16.2	14.5	14.4	30.7	25.8	28.6	15.1	13.6	13.8	1.3%	4.7%	4.3%
Royal Gold Inc.*	USD	16.9	13.7	n/a	n/a	35.9	n/a	19.1	15.8	n/a	3.7%	5.1%	0.0%
Labrador Iron Ore Royalty Corporation	CAD	11.2	12.3	14.1	9.6	12.0	17.2	8.8	10.4	13.7	11.3%	9.7%	7.3%
Osisko Gold Royalties Ltd.	CAD	16.3	13.7	10.5	39.3	32.4	34.0	16.1	15.8	12.3	-3.2%	6.3%	8.2%
<b>Group Average</b>		<b>16.3</b>	<b>14.6</b>	<b>14.5</b>	<b>26.6</b>	<b>30.9</b>	<b>32.1</b>	<b>16.7</b>	<b>15.6</b>	<b>15.8</b>	<b>3.2%</b>	<b>5.8%</b>	<b>4.5%</b>

Source: Company reports, Eight Capital, FactSet

INDUSTRIAL METALS & PRECIOUS METALS - COMMON BALANCE SHEET (US\$)												
January 23, 2019	Assets (US\$Mln)					Liabilities & Shareholder Equity (US\$Mln)						
	Cash & Equivalents	Total Current Assets	PP&E	Total Fixed Assets	Total Assets	Short term Debt	Total Current Liabilities	Long term Debt	Total LT Liabilities	Total Liabilities	Shareholder Equity	Total Liabilities + Sh. Equity
<b>Diversified - Global (Consensus)</b>												
Anglo American plc	6,398	12,767	29,074	37,757	50,524	4,313	6,869	8,441	15,677	22,546	27,978	50,524
BHP Billiton Ltd.	16,071	35,130	65,565	76,863	111,993	5,977	13,989	24,069	37,334	51,323	60,670	111,993
Vale S.A.	6,194	15,171	47,556	70,537	85,708	4,049	9,194	16,843	34,773	43,967	41,741	85,708
Glencore plc	4,913	49,582	56,434	84,882	134,464	9,175	45,897	24,095	41,091	86,988	47,476	134,464
Rio Tinto plc	5,989	14,603	57,742	74,988	89,591	6,406	9,957	13,016	31,018	40,975	48,616	89,591
South32 Ltd.	3,050	4,821	8,194	10,312	15,133	830	1,664	596	2,760	4,424	10,709	15,133
<b>Goup Total</b>	<b>42,615</b>	<b>132,074</b>	<b>264,565</b>	<b>355,339</b>	<b>487,413</b>	<b>30,750</b>	<b>87,570</b>	<b>87,060</b>	<b>162,653</b>	<b>250,223</b>	<b>237,190</b>	<b>487,413</b>
<b>Industrial Metals - Senior</b>												
Cameco Corporation	852	1,584	3,002	4,517	6,101	248	741	770	1,621	2,361	3,740	6,101
First Quantum Minerals	1,225	3,158	18,551	19,706	22,864	592	1,487	6,747	10,850	12,337	10,527	22,864
Freeport-McMoRan Inc.	4,788	10,921	23,013	26,828	37,749	2,396	3,851	11,123	20,444	24,295	13,454	37,749
Lundin Mining	1,470	2,006	3,649	4,284	6,289	169	459	429	1,644	2,102	4,187	6,289
Teck Resources Ltd.	1,147	3,901	23,319	25,786	29,687	1,567	1,693	4,025	10,613	12,306	17,380	29,687
Turquoise Hill Resources	1,521	2,911	8,405	10,311	13,223	386	564	4,174	4,344	4,908	8,315	13,223
<b>Goup Total (ex-CCO)</b>	<b>10,151</b>	<b>22,897</b>	<b>76,936</b>	<b>86,915</b>	<b>109,812</b>	<b>5,110</b>	<b>8,054</b>	<b>26,499</b>	<b>47,894</b>	<b>55,948</b>	<b>53,864</b>	<b>109,812</b>
<b>Precious Metals - Senior</b>												
Agnico Eagle Mines Ltd.	614	1,358	6,173	6,998	8,356	407	461	1,722	2,946	3,407	4,949	8,356
Barrick Gold Corporation	1,697	4,103	13,226	20,015	24,118	1,125	1,549	5,696	11,883	13,432	10,686	24,118
Goldcorp Inc.	166	914	17,506	20,705	21,619	578	1,104	2,569	6,585	7,689	13,930	21,619
Kinross Gold Corp.	500	1,775	5,399	6,395	8,169	96	578	1,734	3,014	3,592	4,577	8,169
Kirkland Lake Gold	257	324	1,081	1,276	1,600	108	162	13	229	391	1,209	1,600
<b>Goup Total</b>	<b>3,234</b>	<b>8,473</b>	<b>43,385</b>	<b>55,388</b>	<b>63,862</b>	<b>2,315</b>	<b>3,854</b>	<b>11,734</b>	<b>24,656</b>	<b>28,511</b>	<b>35,351</b>	<b>63,862</b>
<b>Precious Metals - Intermediate</b>												
Argonaut Gold	21	130	574	577	706	22	34	8	35	69	638	706
B2Gold Corp.	355	618	1,926	2,230	2,848	70	486	458	672	1,158	1,689	2,848
Detour Gold Corporation	157	291	2,194	2,207	2,499	89	93	249	412	506	1,993	2,499
Eldorado Gold Corp.	388	594	4,209	4,333	4,927	92	94	602	1,255	1,349	3,577	4,927
Roxgold Inc.	71	114	156	156	270	26	44	33	56	100	170	270
Superior Gold Inc.	22	38	66	66	104	10	19	4	39	57	46	104
Tahoe Resources	48	227	2,536	2,704	2,931	80	125	100	389	514	2,417	2,931
Torex Gold Resources Inc.	122	234	971	1,019	1,253	86	177	269	320	497	756	1,253
Wesdome Gold Mines Ltd.	24	32	66	125	157	10	21	4	18	38	119	157
Yamana Gold Inc.	121	580	3,983	7,549	8,130	248	574	1,776	3,473	4,047	4,083	8,130
<b>Goup Total</b>	<b>1,328</b>	<b>2,858</b>	<b>16,680</b>	<b>20,967</b>	<b>23,825</b>	<b>732</b>	<b>1,666</b>	<b>3,502</b>	<b>6,669</b>	<b>8,335</b>	<b>15,489</b>	<b>23,825</b>
<b>Precious Metals - Developers</b>												
Continental Gold Inc.	104	109	537	560	669	-	37	197	272	309	360	669
GFG Resources Inc.	2	2	0	20	22	-	1	-	0	1	21	22
INV Metals Inc.	6	6	0	54	61	-	1	-	1	2	59	61
Lundin Gold Inc.	292	300	626	707	1,007	-	28	328	373	401	606	1,007
Osisko Mining Inc.	79	94	6	324	418	-	10	-	29	39	379	418
SilverCrest Metals, Inc.	11	11	1	23	34	-	1	-	-	1	34	34
<b>Goup Total</b>	<b>493</b>	<b>523</b>	<b>1,170</b>	<b>1,688</b>	<b>2,212</b>	<b>-</b>	<b>78</b>	<b>525</b>	<b>675</b>	<b>753</b>	<b>1,459</b>	<b>2,212</b>
<b>Streaming &amp; Royalty</b>												
Franco-Nevada Inc.	77	172	4,447	4,663	4,834	21	23	-	67	90	4,745	4,834
Wheaton Precious Metals	119	123	6,224	6,467	6,590	13	15	1,380	1,388	1,403	5,187	6,590
Royal Gold Inc.*	117	159	2,459	2,513	2,673	5	37	355	496	534	2,139	2,673
Labrador Iron Ore Royalty Corporation	48	83	198	500	583	7	34	-	96	130	454	583
Osisko Gold Royalties Ltd.	114	125	1,166	1,764	1,889	10	19	338	439	457	1,432	1,889
<b>Group Average</b>	<b>476</b>	<b>663</b>	<b>14,494</b>	<b>15,907</b>	<b>16,570</b>	<b>56</b>	<b>128</b>	<b>2,074</b>	<b>2,485</b>	<b>2,613</b>	<b>13,957</b>	<b>16,570</b>

Source: Company reports, Eight Capital, FactSet

## INDUSTRIAL METALS &amp; PRECIOUS METALS - BALANCE SHEET ANALYSIS

January 23, 2019

	Currency (Acctg)	Cash			Total Debt			Net Debt (Net Cash)			Net Debt/EBITDA			Net Debt/Net Debt+Equity		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
<b>Diversified - Global (Consensus)</b>																
Anglo American plc	USD	6,631	6,274	7,125	8,762	7,845	8,590	2,131	1,571	1,465	0.2	0.2	0.2	8%	5%	5%
BHP Billiton Ltd.	USD	14,741	14,310	16,495	24,512	22,147	21,647	9,771	7,837	5,151	0.4	0.4	0.2	16%	13%	8%
Vale S.A.	USD	5,499	6,332	7,537	15,745	15,392	15,609	10,246	9,061	8,073	0.6	0.6	0.5	18%	15%	13%
Glencore plc	USD	5,713	9,835	18,287	32,478	31,978	31,630	26,764	22,143	13,343	1.6	1.3	0.8	34%	29%	19%
Rio Tinto plc	USD	9,877	10,981	15,847	12,910	12,407	12,500	3,034	1,426	(3,347)	0.2	0.1	(0.2)	6%	3%	-7%
South32 Ltd.	USD	2,069	2,941	3,790	929	929	929	(1,140)	(2,012)	(2,861)	(0.5)	(0.8)	(1.3)	-12%	-22%	-33%
<b>Group Average</b>											<b>0.4</b>	<b>0.3</b>	<b>0.0</b>	<b>12%</b>	<b>7%</b>	<b>1%</b>
<b>Industrial Metals - Senior</b>																
Cameco Corporation	CAD	487	681	928	995	995	995	508	314	68	1.3	1.0	0.1	9%	6%	1%
First Quantum Minerals	USD	1,063	2,541	3,325	6,790	6,790	5,690	5,727	4,250	2,365	2.3	1.2	0.6	36%	28%	16%
Freeport-McMoRan Inc.	USD	6,050	7,226	10,219	11,127	9,902	8,557	5,077	2,676	(1,662)	1.1	0.4	(0.2)	32%	18%	n/a
Lundin Mining	USD	826	1,448	2,225	-	-	-	(826)	(1,448)	(2,225)	(1.1)	(1.2)	(1.6)	n/a	n/a	n/a
Teck Resources Ltd.	CAD	4,489	5,846	5,613	5,235	5,206	4,922	746	(640)	(691)	0.1	(0.1)	(0.2)	3%	n/a	n/a
Turquoise Hill Resources	USD	2,825	3,353	2,438	5,694	5,664	5,604	2,869	2,311	3,166	9.8	3.6	5.1	24%	20%	25%
<b>Group Average (ex-CCO)</b>											<b>2.5</b>	<b>0.8</b>	<b>0.7</b>	<b>24%</b>	<b>22%</b>	<b>20%</b>
<b>Precious Metals - Senior</b>																
Agnico Eagle Mines Ltd.	USD	556	1,140	1,656	1,722	1,722	1,722	1,166	581	66	1.1	0.5	0.1	19%	10%	1%
Barrick Gold Corporation	USD	3,634	5,272	5,245	5,745	5,497	4,867	2,111	225	(378)	0.5	0.0	(0.1)	14%	2%	n/a
Goldcorp Inc.	USD	(187)	180	521	2,469	2,469	1,919	2,657	2,289	1,399	1.4	1.0	0.7	16%	14%	9%
Kinross Gold Corp.	USD	781	1,238	1,134	1,734	1,734	1,234	954	496	101	0.9	0.3	0.1	17%	9%	2%
Kirkland Lake Gold	USD	349	683	1,147	2	-	-	(347)	(683)	(1,147)	(0.6)	(0.9)	(1.4)	n/a	n/a	n/a
<b>Group Average</b>											<b>0.7</b>	<b>0.2</b>	<b>0.1</b>	<b>17%</b>	<b>9%</b>	<b>4%</b>
<b>Precious Metals - Intermediate</b>																
Argonaut Gold	USD	46	114	186	8	8	-	(38)	(106)	(186)	(0.4)	(0.9)	(1.5)	n/a	n/a	n/a
B2Gold Corp.	USD	231	167	488	449	27	6	217	(140)	(482)	0.4	(0.3)	(1.0)	11%	n/a	n/a
Detour Gold Corporation	USD	214	206	309	249	124	124	35	(82)	(184)	0.2	(0.3)	(0.6)	2%	n/a	n/a
Eldorado Gold Corp.	USD	21	(366)	(413)	600	600	600	579	966	1,013	4.7	6.6	8.4	14%	22%	23%
Roxgold Inc.	USD	103	133	177	23	7	(3)	(80)	(126)	(179)	(0.9)	(1.2)	(2.2)	n/a	n/a	n/a
Superior Gold Inc.	USD	41	72	103	-	-	-	(41)	(72)	(103)	(1.3)	(1.5)	(2.4)	n/a	n/a	515%
Tahoe Resources	USD	107	193	(139)	125	125	125	18	(68)	264	0.1	(0.1)	0.9	1%	n/a	9%
Torex Gold Resources Inc.	USD	128	161	245	239	69	21	111	(92)	(224)	0.5	(0.4)	(0.9)	12%	n/a	n/a
Wesdome Gold Mines Ltd.	CAD	29	(3)	83	1	1	1	(28)	4	(82)	(0.5)	0.1	(0.6)	n/a	41%	107%
Yamana Gold Inc.	USD	598	1,037	1,469	1,595	1,510	1,510	997	473	40	1.3	0.5	0.0	19%	10%	1%
<b>Group Average</b>											<b>0.4</b>	<b>0.2</b>	<b>0.0</b>	<b>10%</b>	<b>24%</b>	<b>131%</b>
<b>Precious Metals - Developers</b>																
Continental Gold Inc.	USD	143	37	43	400	393	300	257	356	257	n/a	12.5	1.3	34%	42%	31%
GFG Resources Inc.	USD	3	3	3	-	-	-	(3)	(3)	(3)	n/a	n/a	n/a	n/a	n/a	n/a
INV Metals Inc.	CAD	246	(55)	(22)	225	175	125	(21)	230	147	3.1	n/a	0.9	n/a	51%	33%
Lundin Gold Inc.	USD	15	83	166	589	553	469	574	470	303	n/a	3.3	1.4	52%	45%	31%
Osisko Mining Inc.	CAD	6	179	74	-	200	200	(6)	21	126	0.2	(0.8)	(5.0)	n/a	3%	15%
SilverCrest Metals, Inc.	CAD	21	47	35	-	35	35	(21)	(12)	0	3.6	2.1	0.0	n/a	n/a	0%
<b>Group Average</b>											<b>2.3</b>	<b>4.3</b>	<b>(0.3)</b>	<b>43%</b>	<b>35%</b>	<b>22%</b>
<b>Streaming &amp; Royalty</b>																
Franco-Nevada Inc.	USD	732	1,136	1,517	-	-	-	(732)	(1,136)	(1,517)	(1.2)	(1.8)	(2.5)	n/a	n/a	n/a
Wheaton Precious Metals	USD	160	351	501	1,381	1,381	1,381	1,221	1,030	880	2.1	1.6	1.4	19%	16%	14%
Royal Gold Inc.*	USD	(57)	216	-	10	10	-	67	(206)	-	0.2	(0.6)	n/a	3%	n/a	n/a
Labrador Iron Ore Royalty Corporat	CAD	98	116	122	-	-	-	(98)	(116)	(122)	(0.8)	(1.0)	(1.2)	n/a	n/a	n/a
Osisko Gold Royalties Ltd.	CAD	95	181	249	400	400	350	305	219	101	2.3	1.5	0.5	14%	10%	5%
<b>Group Average</b>											<b>0.5</b>	<b>(0.1)</b>	<b>(0.5)</b>	<b>12%</b>	<b>13%</b>	<b>9%</b>

Source: Company reports, Eight Capital, FactSet

**INDUSTRIAL METALS & PRECIOUS METALS - QUARTERLY EPS ESTIMATES**

January 23, 2019

	Currency (Acctg)	Eight Capital EPS - 2019					Consensus EPS - 2019					Eight Capital EPS - 2020					Consensus EPS - 2020					Difference (%)	
		1Q	2Q	3Q	4Q	FY	1Q	2Q	3Q	4Q	FY	1Q	2Q	3Q	4Q	FY	1Q	2Q	3Q	4Q	FY	2019	2020
<b>Diversified - Global (Consensus)</b>																							
Anglo American plc	USD	n/a	n/a	n/a	n/a	n/a	0.62	0.62	0.59	0.59	2.39	n/a	n/a	n/a	n/a	n/a	0.65	0.65	0.75	0.75	2.20	n/a	n/a
BHP Billiton Ltd.	USD	n/a	n/a	n/a	n/a	n/a	0.44	0.44	0.47	0.47	1.63	n/a	n/a	n/a	n/a	n/a	0.39	0.39	n/a	n/a	1.58	n/a	n/a
Vale S.A.	USD	n/a	n/a	n/a	n/a	n/a	0.44	0.37	0.44	0.46	1.64	n/a	n/a	n/a	n/a	n/a	0.47	0.46	0.48	0.48	1.55	n/a	n/a
Glencore plc	USD	n/a	n/a	n/a	n/a	n/a	0.10	0.10	0.11	0.11	0.43	n/a	n/a	n/a	n/a	n/a	0.12	0.12	0.15	0.15	0.45	n/a	n/a
Rio Tinto plc	USD	n/a	n/a	n/a	n/a	n/a	1.08	1.08	1.01	1.01	4.46	n/a	n/a	n/a	n/a	n/a	1.04	1.04	0.96	0.96	4.40	n/a	n/a
South32 Ltd.	USD	n/a	n/a	n/a	n/a	n/a	0.06	0.06	0.06	0.06	0.24	n/a	n/a	n/a	n/a	n/a	0.05	0.05	0.05	0.05	0.22	n/a	n/a
<b>Industrial Metals - Senior</b>																							
Cameco Corporation	CAD	(0.04)	(0.02)	0.10	0.13	0.17	(0.00)	0.00	0.06	0.11	0.13	0.03	0.03	0.04	0.07	0.16	0.04	0.04	0.08	0.11	0.20	31.9%	-16.5%
First Quantum Minerals	USD	0.20	0.29	0.23	0.24	0.95	0.12	0.19	0.18	0.29	0.91	0.38	0.42	0.41	0.46	1.66	0.32	0.41	0.39	0.46	1.47	4.6%	13.1%
Freeport-McMoRan Inc.	USD	0.08	0.11	0.15	0.17	0.50	0.15	0.18	0.17	0.19	0.76	0.26	0.28	0.29	0.30	1.14	0.22	0.24	0.27	0.28	1.11	-33.9%	2.5%
Lundin Mining	USD	0.06	0.07	0.08	0.09	0.31	0.06	0.07	0.07	0.07	0.28	0.13	0.14	0.15	0.15	0.57	0.13	0.14	0.15	0.15	0.51	8.8%	11.5%
Teck Resources Ltd.	CAD	0.89	0.85	0.99	0.97	3.70	0.96	0.91	0.99	0.99	3.93	0.71	0.67	0.81	0.85	3.05	0.87	0.82	0.99	0.98	3.38	-5.7%	-9.7%
Turquoise Hill Resources	USD	0.00	(0.00)	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.08	0.02	0.03	0.03	0.03	0.11	0.03	0.03	0.03	0.04	0.12	-72.3%	-12.2%
<b>Precious Metals - Senior</b>																							
Agnico Eagle Mines Ltd.	USD	0.17	0.21	0.23	0.27	0.88	0.07	0.08	0.17	0.23	0.67	0.26	0.26	0.26	0.25	1.03	0.38	0.33	0.34	0.35	1.25	31.5%	-17.9%
Barrick Gold Corporation	USD	0.12	0.09	0.11	0.12	0.44	0.09	0.10	0.10	0.11	0.46	0.15	0.14	0.14	0.15	0.58	0.12	0.11	0.11	0.11	0.51	-6.0%	12.1%
Goldcorp Inc.	USD	0.06	0.06	0.16	0.18	0.45	0.07	0.08	0.11	0.12	0.37	0.08	0.08	0.16	0.16	0.49	0.12	0.12	0.14	0.14	0.48	23.1%	1.1%
Kinross Gold Corp.	USD	0.01	0.01	0.03	0.04	0.10	0.02	0.02	0.03	0.03	0.11	0.05	0.06	0.06	0.07	0.25	0.02	0.03	0.03	0.03	0.13	-10.9%	91.6%
Kirkland Lake Gold	USD	0.38	0.37	0.38	0.38	1.51	0.35	0.37	0.41	0.42	1.48	0.46	0.44	0.42	0.39	1.72	0.53	0.53	0.54	0.53	1.96	1.8%	-12.5%
<b>Precious Metals - Intermediate</b>																							
Argonaut Gold	USD	0.03	0.02	0.01	0.05	0.11	0.03	0.04	0.04	0.04	0.17	0.06	0.05	0.03	0.05	0.19	0.05	0.05	0.05	0.05	0.20	-34.0%	-1.8%
B2Gold Corp.	USD	0.03	0.03	0.04	0.06	0.16	0.03	0.03	0.04	0.04	0.17	0.04	0.04	0.05	0.05	0.18	0.05	0.06	0.06	0.06	0.22	-6.4%	-17.5%
Detour Gold Corporation	USD	0.03	(0.00)	0.03	0.06	0.12	0.11	0.09	0.10	0.10	0.33	0.19	0.19	0.19	0.18	0.74	0.14	0.15	0.15	0.16	0.53	-64.4%	39.2%
Eldorado Gold Corp.	USD	(0.04)	(0.04)	(0.04)	(0.04)	(0.15)	(0.06)	(0.05)	(0.03)	(0.04)	(0.11)	(0.04)	(0.04)	(0.05)	(0.06)	(0.19)	(0.02)	(0.03)	(0.02)	(0.02)	0.03	36.0%	-732.6%
Roxgold Inc.	USD	0.03	0.03	0.03	0.03	0.11	0.03	0.03	0.03	0.03	0.11	0.03	0.03	0.03	0.03	0.13	0.03	0.03	0.03	0.03	0.12	-3.5%	11.7%
Superior Gold Inc.	USD	0.02	0.02	0.02	0.03	0.08	0.02	0.03	0.03	0.02	0.07	0.05	0.05	0.05	0.05	0.18	0.02	0.02	0.03	0.02	0.17	15.2%	4.4%
Tahoe Resources	USD	(0.01)	(0.00)	0.04	0.11	0.14	(0.04)	(0.03)	(0.01)	0.08	0.09	0.14	0.14	0.14	0.14	0.55	0.11	0.11	0.11	0.11	0.37	62.4%	46.4%
Torex Gold Resources Inc.	USD	0.11	0.10	0.12	0.14	0.47	0.14	0.17	0.19	0.24	0.65	0.16	0.16	0.17	0.17	0.66	0.26	0.27	0.27	0.27	0.86	-27.6%	-23.6%
Wesdome Gold Mines Ltd.	CAD	0.04	0.04	0.07	0.07	0.22	0.04	0.04	0.06	0.05	0.21	0.06	0.08	0.08	0.08	0.29	0.04	0.04	0.07	0.07	0.32	4.4%	-7.8%
Yamana Gold Inc.	USD	0.01	0.04	0.04	0.05	0.14	0.02	0.03	0.04	0.04	0.11	0.04	0.05	0.05	0.05	0.19	0.06	0.06	0.07	0.07	0.19	22.7%	1.1%
<b>Precious Metals - Developers</b>																							
Continental Gold Inc.	USD	(0.01)	(0.01)	(0.01)	(0.02)	(0.05)	(0.03)	(0.03)	(0.03)	(0.03)	(0.11)	(0.02)	(0.02)	(0.01)	0.03	(0.02)	0.10	0.12	0.14	0.15	0.31	-55.9%	-107.2%
GFG Resources Inc.	USD	-	-	-	-	-	(0.00)	(0.00)	(0.00)	(0.00)	(0.01)	-	-	-	-	-	(0.00)	(0.00)	n/a	n/a	(0.01)	-100.0%	-100.0%
INV Metals Inc.	CAD	(0.01)	(0.01)	(0.00)	(0.00)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.04)	(0.00)	(0.00)	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.05)	-66.4%	-59.8%
Lundin Gold Inc.	USD	(0.06)	(0.06)	(0.06)	(0.06)	(0.25)	(0.05)	(0.03)	(0.03)	(0.03)	(0.17)	0.00	0.06	0.06	0.08	0.19	0.04	0.04	0.08	0.04	0.20	50.1%	-6.5%
Osisko Mining Inc.	CAD	(0.03)	(0.03)	(0.03)	(0.03)	(0.10)	(0.01)	(0.01)	(0.02)	(0.02)	(0.06)	(0.02)	(0.02)	(0.02)	(0.02)	(0.08)	(0.02)	(0.02)	(0.02)	(0.02)	(0.06)	64.1%	48.4%
SilverCrest Metals, Inc.	CAD	(0.01)	(0.01)	(0.01)	(0.01)	(0.04)	(0.02)	(0.02)	(0.02)	(0.02)	(0.07)	(0.01)	(0.01)	(0.01)	(0.01)	(0.04)	(0.03)	(0.04)	(0.04)	(0.04)	(0.08)	-37.1%	-53.0%
<b>Streaming &amp; Royalty</b>																							
Franco-Nevada Inc.	USD	0.31	0.32	0.33	0.35	1.31	0.29	0.31	0.33	0.35	1.31	0.35	0.36	0.36	0.39	1.46	0.35	0.35	0.36	0.37	1.50	-0.1%	-3.1%
Wheaton Precious Metals	USD	0.14	0.14	0.15	0.17	0.61	0.12	0.13	0.13	0.14	0.52	0.18	0.18	0.18	0.18	0.73	0.16	0.16	0.16	0.16	0.61	17.2%	20.5%
Royal Gold Inc.*	USD	0.25	0.28	0.42	0.50	1.42	0.46	0.49	0.49	0.50	1.55	0.54	0.57	0.58	0.59	2.27	0.55	0.55	n/a	n/a	2.14	-8.0%	6.1%
Labrador Iron Ore Royalty Corporati	CAD	0.70	0.72	0.58	0.47	2.47	0.62	0.68	0.67	0.68	2.65	0.47	0.50	0.50	0.50	1.97	0.51	0.50	0.53	0.60	2.40	-6.9%	-17.8%
Osisko Gold Royalties Ltd.	CAD	0.07	0.07	0.07	0.08	0.30	0.04	0.05	0.05	0.06	0.17	0.09	0.09	0.09	0.10	0.36	0.06	0.06	0.07	0.08	0.27	78.9%	36.7%

Source: Company reports, Eight Capital, FactSet

**INDUSTRIAL METALS & PRECIOUS METALS - QUARTERLY EBITDA ESTIMATES**

January 23, 2019

Company	Currency (Acctg)	Eight Capital EBITDA - 2019										Consensus EBITDA - 2019										Eight Capital EBITDA - 2020										Consensus EBITDA - 2020										Difference (%)																					
		1Q					2Q					3Q					4Q					1Q					2Q					3Q					4Q					1Q					2Q					3Q					4Q					2019	2020
		1Q	2Q	3Q	4Q	FY	1Q	2Q	3Q	4Q	FY	1Q	2Q	3Q	4Q	FY	1Q	2Q	3Q	4Q	FY	1Q	2Q	3Q	4Q	FY	1Q	2Q	3Q	4Q	FY	1Q	2Q	3Q	4Q	FY	2019	2020																									
<b>Diversified - Global (Consensus)</b>																																																															
Anglo American plc	USD	n/a	n/a	n/a	n/a	n/a	2,066	2,066	1,999	1,999	8,636	n/a	n/a	n/a	n/a	n/a	2,238	2,238	2,193	2,193	8,338	n/a	n/a	n/a	n/a	n/a	2,238	2,238	2,193	2,193	8,338	n/a	n/a	n/a	n/a	n/a	n/a	n/a																									
BHP Billiton Ltd.	USD	n/a	n/a	n/a	n/a	n/a	5,275	5,275	n/a	n/a	21,966	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	21,029	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a																									
Vale S.A.	USD	n/a	n/a	n/a	n/a	n/a	4,279	4,368	4,498	4,590	16,470	n/a	n/a	n/a	n/a	n/a	4,481	4,456	4,546	4,556	15,959	n/a	n/a	n/a	n/a	n/a	4,481	4,456	4,546	4,556	15,959	n/a	n/a	n/a	n/a	n/a	n/a	n/a																									
Glencore plc	USD	n/a	n/a	n/a	n/a	n/a	3,391	3,391	3,684	3,684	16,504	n/a	n/a	n/a	n/a	n/a	3,295	3,295	n/a	n/a	16,929	n/a	n/a	n/a	n/a	n/a	3,295	3,295	n/a	n/a	16,929	n/a	n/a	n/a	n/a	n/a	n/a	n/a																									
Rio Tinto plc	USD	n/a	n/a	n/a	n/a	n/a	4,044	4,044	3,937	3,937	16,618	n/a	n/a	n/a	n/a	n/a	3,746	3,746	3,832	3,832	16,247	n/a	n/a	n/a	n/a	n/a	3,746	3,746	3,832	3,832	16,247	n/a	n/a	n/a	n/a	n/a	n/a	n/a																									
South32 Ltd.	USD	n/a	n/a	n/a	n/a	n/a	513	513	518	518	2,367	n/a	n/a	n/a	n/a	n/a	486	486	421	421	2,246	n/a	n/a	n/a	n/a	n/a	486	486	421	421	2,246	n/a	n/a	n/a	n/a	n/a	n/a	n/a																									
<b>Industrial Metals - Senior</b>																																																															
Cameco Corporation	CAD	43.5	58.8	122.0	159.0	383.3	61.1	64.8	99.5	144.0	434.2	45.8	53.9	89.4	122.3	311.4	89.4	85.6	127.5	136.2	445.4	-11.7%	-30.1%	45.8	53.9	89.4	122.3	311.4	89.4	85.6	127.5	136.2	445.4	12.5%	16.0%																												
First Quantum Minerals	USD	977.5	1,070.8	1,217.1	1,282.6	4,548.0	973.4	1,035.9	1,003.7	1,081.3	4,177.8	1,453.8	1,478.6	1,528.4	1,560.2	6,020.9	1,231.6	1,308.0	1,358.6	1,397.2	5,201.8	8.9%	15.7%	1,453.8	1,478.6	1,528.4	1,560.2	6,020.9	1,231.6	1,308.0	1,358.6	1,397.2	5,201.8	9.8%	21.1%																												
Lundin Mining	USD	166.4	184.8	201.7	211.2	764.1	154.8	165.8	174.4	185.5	695.9	284.0	293.0	298.7	301.7	1,177.4	224.2	247.0	259.6	259.7	972.7	-6.4%	-8.9%	284.0	293.0	298.7	301.7	1,177.4	224.2	247.0	259.6	259.7	972.7	-18.7%	20.6%																												
Teck Resources Ltd.	CAD	1,219.9	1,178.6	1,304.2	1,295.7	4,998.5	1,301.6	1,238.1	1,317.0	1,343.6	5,342.3	1,051.6	1,013.8	1,152.0	1,186.4	4,403.9	1,253.4	1,175.6	1,315.1	1,296.1	4,835.6	-6.4%	-8.9%	1,051.6	1,013.8	1,152.0	1,186.4	4,403.9	1,253.4	1,175.6	1,315.1	1,296.1	4,835.6	-18.7%	20.6%																												
Turquoise Hill Resources	USD	40.8	51.9	97.6	103.6	293.8	98.6	112.9	112.9	145.7	361.4	161.5	161.5	161.5	161.5	645.9	125.6	n/a	n/a	n/a	535.7	-18.7%	20.6%	161.5	161.5	161.5	161.5	645.9	125.6	n/a	n/a	n/a	535.7	-18.7%	20.6%																												
<b>Precious Metals - Senior</b>																																																															
Agnico Eagle Mines Ltd.	USD	231.4	255.9	274.6	297.0	1,058.9	176.5	205.6	231.3	259.0	940.2	295.9	297.6	294.9	292.8	1,181.2	307.1	320.3	339.0	352.2	1,226.9	12.6%	-3.7%	295.9	297.6	294.9	292.8	1,181.2	307.1	320.3	339.0	352.2	1,226.9	12.6%	-3.7%																												
Barrick Gold Corporation	USD	949.5	986.5	1,052.2	1,096.0	4,125.6	750.6	782.6	836.3	847.8	3,465.7	1,154.3	1,163.6	1,172.8	1,182.1	4,672.8	829.9	839.7	863.5	883.4	3,563.9	19.0%	31.1%	1,154.3	1,163.6	1,172.8	1,182.1	4,672.8	829.9	839.7	863.5	883.4	3,563.9	19.0%	31.1%																												
Goldcorp Inc.	USD	407.0	410.0	558.9	589.6	1,965.5	343.5	366.5	452.7	466.3	1,821.0	494.7	496.1	612.4	607.5	2,210.7	475.7	496.3	508.1	523.2	2,110.0	7.9%	4.8%	494.7	496.1	612.4	607.5	2,210.7	475.7	496.3	508.1	523.2	2,110.0	7.9%	4.8%																												
Kinross Gold Corp.	USD	250.3	253.2	290.7	321.1	1,115.3	200.2	217.5	243.3	257.7	1,084.8	357.0	378.1	399.2	420.3	1,554.7	181.7	195.3	208.3	221.9	1,126.1	2.8%	38.1%	357.0	378.1	399.2	420.3	1,554.7	181.7	195.3	208.3	221.9	1,126.1	2.8%	38.1%																												
Kirkland Lake Gold	USD	147.6	147.1	154.8	159.6	609.2	124.1	132.7	152.3	155.2	590.5	193.0	193.0	193.0	193.0	772.1	203.8	208.1	214.4	217.3	736.3	3.2%	4.9%	193.0	193.0	193.0	193.0	772.1	203.8	208.1	214.4	217.3	736.3	3.2%	4.9%																												
<b>Precious Metals - Intermediate</b>																																																															
Argonaut Gold	USD	20.6	20.6	17.2	27.4	85.8	n/a	n/a	n/a	n/a	95.8	30.7	30.7	23.6	30.7	115.8	n/a	n/a	n/a	n/a	119.0	-10.4%	-2.7%	30.7	30.7	23.6	30.7	115.8	n/a	n/a	n/a	n/a	119.0	-10.4%	-2.7%																												
B2Gold Corp.	USD	125.2	127.3	160.4	166.2	579.1	122.1	128.0	143.6	134.1	580.4	139.6	139.0	132.8	128.5	539.9	173.8	173.8	173.8	173.8	596.8	-0.2%	-9.5%	139.6	139.0	132.8	128.5	539.9	173.8	173.8	173.8	173.8	596.8	-0.2%	-9.5%																												
Detour Gold Corporation	USD	56.6	44.9	56.0	65.8	223.3	54.5	57.5	61.5	61.8	245.8	73.6	73.6	73.6	73.6	294.3	69.8	73.4	77.0	80.6	283.2	-9.2%	3.9%	73.6	73.6	73.6	73.6	294.3	69.8	73.4	77.0	80.6	283.2	-9.2%	3.9%																												
Eldorado Gold Corp.	USD	16.4	34.1	35.6	37.6	123.7	20.1	39.6	39.6	41.6	144.1	37.1	36.8	36.8	36.5	147.1	n/a	n/a	n/a	n/a	167.9	-14.1%	-12.4%	37.1	36.8	36.8	36.5	147.1	n/a	n/a	n/a	n/a	167.9	-14.1%	-12.4%																												
Roxgold Inc.	USD	22.3	22.3	23.1	23.8	91.5	23.8	25.9	27.0	27.7	112.6	25.4	25.4	25.4	25.4	101.8	30.1	30.1	30.1	30.1	110.4	-18.8%	-7.8%	25.4	25.4	25.4	25.4	101.8	30.1	30.1	30.1	30.1	110.4	-18.8%	-7.8%																												
Superior Gold Inc.	USD	7.5	7.5	8.1	8.8	31.8	n/a	n/a	n/a	n/a	28.2	12.0	12.0	12.0	12.0	48.1	n/a	n/a	n/a	n/a	47.3	12.7%	1.7%	12.0	12.0	12.0	12.0	48.1	n/a	n/a	n/a	n/a	47.3	12.7%	1.7%																												
Tahoe Resources	USD	49.3	53.2	72.0	103.6	278.3	38.7	45.3	61.1	91.0	232.6	114.1	113.9	113.9	113.7	456.0	n/a	n/a	n/a	n/a	429.9	19.6%	6.1%	114.1	113.9	113.9	113.7	456.0	n/a	n/a	n/a	n/a	429.9	19.6%	6.1%																												
Torex Gold Resources Inc.	USD	57.7	57.7	60.2	62.8	238.3	47.5	50.0	50.0	52.6	252.5	65.8	65.8	65.8	65.8	263.3	n/a	n/a	n/a	n/a	277.4	-5.6%	-5.1%	65.8	65.8	65.8	65.8	263.3	n/a	n/a	n/a	n/a	277.4	-5.6%	-5.1%																												
Wesdome Gold Mines Ltd.	CAD	10.9	10.5	17.3	16.9	55.5	9.6	10.2	10.2	10.7	53.9	16.1	16.1	16.1	16.1	64.5	n/a	n/a	n/a	n/a	88.3	3.0%	-27.0%	16.1	16.1	16.1	16.1	64.5	n/a	n/a	n/a	n/a	88.3	3.0%	-27.0%																												
Yamana Gold Inc.	USD	165.3	191.2	192.1	215.5	764.0	185.1	207.9	209.4	221.4	751.1	209.4	225.7	228.8	233.9	897.8	238.0	247.3	255.2	269.5	852.1	1.7%	5.4%	209.4	225.7	228.8	233.9	897.8	238.0	247.3	255.2	269.5	852.1	1.7%	5.4%																												
<b>Precious Metals - Developers</b>																																																															
Continental Gold Inc.	USD	(3.9)	(3.9)	(3.9)	(3.9)	(15.6)	(2.3)	(2.3)	(2.3)	(2.3)	(19.3)	(3.9)	(3.9)	10.8	25.5	28.5	n/a	n/a	n/a	n/a	207.1	-19.3%	-86.2%	(3.9)	(3.9)	10.8	25.5	28.5	n/a	n/a	n/a	n/a	207.1	-19.3%	-86.2%																												
GFG Resources Inc.	USD	-	-	-	-	-	(0.4)	(0.4)	(0.7)	(0.4)	(1.6)	-	-	-	-	-	(0.4)	(0.4)	n/a	n/a	(1.8)	-100.0%	-100.0%	-	-	-	-	-	(0.4)	(0.4)	n/a	n/a	(1.8)	-100.0%	-100.0%																												
INV Metals Inc.	CAD	(1.7)	(1.7)	(1.7)	(1.7)	(6.6)	(1.2)	(1.2)	(1.2)	(1.2)	(5.4)	(2.2)	(2.2)	(2.2)	(2.2)	(8.6)	n/a	n/a	n/a	n/a	(7.5)	21.6%	15.4%	(2.2)	(2.2)	(2.2)	(2.2)	(8.6)	n/a	n/a	n/a	n/a	(7.5)	21.6%	15.4%																												
Lundin Gold Inc.	USD	(8.2)	(8.2)	(8.2)	(8.2)	(33.0)	(7.2)	(7.2)	(7.2)	(7.2)	(16.3)	17.4	39.1	39.4	46.5	142.3	(2.0)	(2.0)	n/a	n/a	155.5	102.9%	-8.5%	17.4	39.1	39.4	46.5	142.3	(2.0)	(2.0)	n/a	n/a	155.5	102.9%	-8.5%																												
Osisko Mining Inc.	CAD	(6.3)	(6.3)	(6.3)	(6.3)	(25.2)	(5.0)	(5.0)	(5.0)	(5.0)	(14.9)	(6.3)	(6.3)	(6.3)	(6.3)	(25.2)	(3.7)	(3.7)	(3.7)	(3.7)	(14.0)	68.7%	79.6%	(6.3)	(6.3)	(6.3)	(6.3)	(25.2)	(3.7)	(3.7)	(3.7)	(3.7)	(14.0)	68.7%	79.6%																												
SilverCrest Metals, Inc.	CAD	(1.4)	(1.4)	(1.4)	(1.4)	(5.7)	(1.8)	(1.9)	(1.9)	(1.9)	(6.0)	(1.4)	(1.4)	(1.4)	(1.4)	(5.7)	(2.4)	(2.4)	(2.4)	(2.4)	(5.5)	-4.8%	3.7%	(1.4)	(1.4)	(1.4)	(1.4)	(5.7)	(2.4)	(2.4)	(2.4)	(2.4)	(5.5)	-4.8%	3.7%																												
<b>Streaming &amp; Royalty</b>																																																															
Franco-Nevada Inc.	USD	141.1	145.3	150.7	155.2	592.4	134.7	140.9	145.5	149.3	582.5	154.1	156.9	159.2	167.0	637.2	140.1	140.0	140.0	140.0	631.9	1.7%	0.8%	154.1	156.9	159.2	167.0	637.2	140.1	140.0	140.0	140.0	631.9	1.7%	0.8%																												
Wheaton Precious Metals	USD	144.1	143.8	146.5	156.7	591.1	131.8	135.1	135.5	137.1	558.5	164.9	164.5	159.9	159.5	648.9	139.1	142.1	142.0	142.4	591.9	5.8%	9.6%	164.9	164.5	159.9	159.5	648.9	139.1	142.1	142.0	142.4	591.9	5.8%	9.6%																												

INDUSTRIAL METALS & PRECIOUS METALS - TECHNICAL ANALYSIS

January 23, 2019

	Currency (Exch)	Short Int. (Mln)	% of Shares	Days to Cover	% Change in Short Interest			52W High	52W Low	% Hi/Lo	50D MAvg	% Above Below	200D MAvg	% Above Below	Share performance					
					1Wk	1Mth	3Mth								1Wk	1Mth	3Mth	6Mth	1Yr	YTD
<b>Diversified - Global (Consensus)</b>																				
16-Jan-19 24-Dec-18 23-Oct-18																				
Anglo American plc	USD	n/a	n/a	n/a	n/a	n/a	n/a	19.48	14.34	71%	17.01	5.9%	16.93	6.4%	0.1%	5.4%	8.0%	12.3%	0.2%	15.9%
BHP Billiton Ltd.	USD	n/a	n/a	n/a	n/a	n/a	n/a	35.68	28.13	60%	32.68	-0.2%	32.81	-0.5%	-0.9%	0.5%	-1.2%	-0.4%	6.5%	10.8%
Vale S.A.	USD	n/a	n/a	n/a	n/a	n/a	n/a	62.42	39.93	70%	52.53	5.9%	52.51	6.0%	5.2%	10.6%	-5.6%	13.1%	29.1%	36.8%
Glencore plc	USD	n/a	n/a	n/a	n/a	n/a	n/a	4.17	2.68	12%	2.91	-1.4%	3.27	-12.4%	-0.6%	1.8%	-6.7%	-7.0%	-27.9%	-25.7%
Rio Tinto plc	USD	n/a	n/a	n/a	n/a	n/a	n/a	45.41	34.60	28%	37.65	-0.1%	39.02	-3.6%	-1.4%	2.6%	3.9%	-5.9%	-3.8%	-2.4%
South32 Ltd.	USD	n/a	n/a	n/a	n/a	n/a	n/a	4.28	3.00	27%	3.30	1.3%	3.59	-7.0%	-1.2%	6.7%	-11.1%	-5.1%	-10.4%	-3.7%
<b>Group Average</b>										<b>45%</b>		<b>1.9%</b>		<b>-1.9%</b>	<b>0.2%</b>	<b>4.6%</b>	<b>-2.1%</b>	<b>1.2%</b>	<b>-1.1%</b>	<b>5.3%</b>
<b>Industrial Metals - Senior</b>																				
Cameco Corporation	CAD	5.4	1.4%	4.4	-6%	3%	27%	16.70	10.50	78%	15.63	-1.8%	14.51	5.8%	-6.0%	5.2%	2.9%	5.6%	28.7%	33.2%
First Quantum Minerals	USD	8.7	1.3%	2.6	8%	6%	20%	23.05	9.45	23%	11.68	7.2%	16.16	-22.5%	15.2%	21.1%	-1.7%	-29.6%	-33.7%	-28.4%
Freeport-McMoRan Inc.	USD	27.3	1.9%	1.3	0%	-23%	-6%	20.25	9.60	25%	11.18	10.1%	14.31	-14.0%	7.0%	20.9%	3.2%	-21.4%	-38.1%	-34.7%
Lundin Mining	USD	4.8	0.7%	2.2	-5%	-9%	4%	9.21	4.70	20%	5.68	-1.5%	6.84	-18.2%	-4.6%	2.2%	4.1%	-21.9%	-36.3%	-33.4%
Teck Resources Ltd.	CAD	5.1	0.9%	2.9	16%	-6%	101%	39.08	23.90	36%	28.55	2.9%	31.37	-6.3%	-0.6%	4.9%	-3.3%	-6.8%	-17.8%	-9.3%
Turquoise Hill Resources	USD	11.2	0.6%	10.3	19%	39%	71%	4.37	1.94	6%	2.26	-7.7%	3.05	-31.5%	3.8%	7.9%	-8.0%	-41.4%	-47.8%	-49.2%
<b>Group Average (ex-CCO)</b>					<b>8%</b>	<b>1%</b>	<b>38%</b>			<b>22%</b>		<b>2.2%</b>		<b>-14.5%</b>	<b>4.1%</b>	<b>11.4%</b>	<b>-1.2%</b>	<b>-24.2%</b>	<b>-34.8%</b>	<b>-31.0%</b>
<b>Precious Metals - Senior</b>																				
Agnico Eagle Mines Ltd.	USD	3.3	1.4%	3.4	-6%	26%	117%	62.80	42.35	49%	50.90	2.7%	52.20	0.1%	1.2%	-3.8%	10.4%	-13.1%	-8.1%	-9.5%
Barrick Gold Corporation	USD	12.8	1.1%	1.3	-24%	33%	88%	19.15	12.54	48%	17.35	-9.3%	16.21	-2.9%	0.2%	-13.0%	-8.3%	-3.0%	-12.7%	-13.4%
Goldcorp Inc.	USD	11.5	1.3%	2.9	-1%	-9%	101%	18.92	11.00	38%	12.79	9.4%	15.17	-7.7%	3.3%	9.2%	1.1%	-21.7%	-22.2%	-12.8%
Kinross Gold Corp.	USD	14.1	1.1%	2.5	-22%	26%	97%	5.89	3.15	38%	3.90	7.3%	4.25	-1.6%	1.9%	-0.5%	13.6%	-13.4%	-21.8%	-22.7%
Kirkland Lake Gold	USD	1.3	0.6%	1.3	63%	34%	-7%	36.94	16.54	100%	31.02	18.9%	26.91	37.1%	5.1%	9.9%	31.2%	27.9%	88.8%	91.6%
<b>Group Average</b>					<b>2%</b>	<b>22%</b>	<b>79%</b>			<b>54%</b>		<b>5.8%</b>		<b>5.0%</b>	<b>2.3%</b>	<b>0.4%</b>	<b>9.6%</b>	<b>-4.7%</b>	<b>4.8%</b>	<b>6.6%</b>
<b>Precious Metals - Intermediate</b>																				
Argonaut Gold	USD	4.2	2.3%	6.6	-4%	-6%	7%	2.87	1.18	20%	1.39	8.9%	1.88	-19.8%	-4.0%	7.4%	-5.8%	-38.0%	-46.9%	-39.6%
B2Gold Corp.	USD	1.7	0.2%	0.5	-18%	-52%	-38%	4.06	2.77	76%	3.61	3.8%	3.39	10.6%	-3.1%	0.8%	6.9%	9.8%	-1.9%	-4.6%
Detour Gold Corporation	USD	1.9	1.1%	2.2	-20%	10%	10%	15.40	9.11	52%	10.86	13.8%	11.25	9.9%	2.6%	11.7%	10.5%	-8.1%	-12.6%	-17.8%
Eldorado Gold Corp.	USD	2.0	0.2%	1.3	n/a	17%	18%	9.05	3.36	3%	4.06	-13.1%	5.80	-39.1%	-9.4%	-14.2%	-39.7%	-51.6%	-57.4%	-60.9%
Roxgold Inc.	USD	0.7	0.2%	0.9	-2%	-20%	-54%	1.35	0.72	5%	0.80	-6.6%	0.98	-23.5%	0.0%	3.9%	-14.1%	-26.2%	-38.3%	-43.6%
Superior Gold Inc.	USD	0.0	0.0%	0.1	93%	-95%	n/a	1.62	0.67	7%	0.81	-8.4%	1.11	-33.4%	-2.7%	-14.3%	-12.2%	-44.2%	-40.0%	-32.7%
Tahoe Resources	USD	1.8	0.6%	2.2	6%	-34%	-51%	7.27	2.88	40%	4.61	0.5%	5.18	-10.6%	-6.5%	-4.8%	29.9%	-22.6%	-19.0%	-23.7%
Torex Gold Resources Inc.	USD	0.7	0.9%	1.9	-1%	2%	-47%	14.58	7.29	91%	12.11	14.7%	11.62	19.6%	3.9%	15.8%	10.6%	28.4%	15.9%	17.4%
Wesdome Gold Mines Ltd.	CAD	1.6	1.2%	2.4	-11%	523%	444%	4.75	1.71	83%	3.96	7.0%	3.24	30.7%	-0.7%	9.1%	8.3%	23.2%	104.8%	103.8%
Yamana Gold Inc.	USD	6.7	0.7%	2.5	-3%	-1%	3%	4.69	2.66	26%	3.02	5.6%	3.47	-8.1%	-1.2%	2.3%	-6.8%	-14.8%	-25.8%	-19.4%
<b>Group Average</b>					<b>5%</b>	<b>35%</b>	<b>32%</b>			<b>40%</b>		<b>2.6%</b>		<b>-6.4%</b>	<b>-2.1%</b>	<b>1.8%</b>	<b>-1.2%</b>	<b>-14.4%</b>	<b>-12.1%</b>	<b>-12.1%</b>
<b>Precious Metals - Developers</b>																				
Continental Gold Inc.	USD	1.6	0.8%	3.3	-11%	8%	17%	4.01	1.80	1%	2.15	-14.8%	3.06	-40.1%	-7.5%	-8.5%	-28.7%	-52.2%	-50.7%	-45.6%
CFG Resources Inc.	USD	n/a	n/a	n/a	n/a	n/a	n/a	0.49	0.17	13%	0.21	1.3%	0.24	-14.2%	5.3%	-4.8%	-25.9%	-13.0%	-58.3%	-62.3%
INV Metals Inc.	CAD	n/a	n/a	n/a	n/a	n/a	n/a	0.80	0.35	84%	0.56	29.4%	0.49	49.1%	2.7%	25.0%	59.6%	85.2%	2.7%	8.7%
Lundin Gold Inc.	USD	0.2	0.2%	6.9	17%	4%	-33%	5.52	4.33	41%	4.81	0.3%	4.87	-1.1%	0.0%	-1.8%	-2.0%	0.4%	-3.4%	7.1%
Osisko Mining Inc.	CAD	7.4	3.6%	15.4	-6%	-30%	-24%	3.69	1.60	45%	2.65	-3.6%	2.41	5.8%	-7.0%	-1.2%	-17.6%	19.9%	-24.9%	-25.4%
SilverCrest Metals, Inc.	CAD	0.1	0.1%	0.6	131%	-52%	579%	4.30	1.75	107%	3.50	27.8%	3.06	45.9%	10.0%	36.6%	19.2%	31.6%	122.3%	139.7%
<b>Group Average</b>					<b>33%</b>	<b>-18%</b>	<b>135%</b>			<b>49%</b>		<b>6.7%</b>		<b>7.6%</b>	<b>0.6%</b>	<b>7.6%</b>	<b>0.8%</b>	<b>12.0%</b>	<b>-2.0%</b>	<b>3.7%</b>
<b>Streaming &amp; Royalty</b>																				
Franco-Nevada Inc.	USD	2.0	1.1%	3.2	6%	-2%	106%	99.93	76.53	75%	92.31	1.8%	90.01	4.4%	0.6%	-2.4%	11.1%	-4.6%	-1.2%	-7.0%
Wheaton Precious Metals	USD	4.7	1.1%	3.2	10%	18%	98%	29.93	19.87	52%	23.56	6.7%	25.15	0.0%	-0.2%	-3.5%	12.1%	-9.9%	-7.0%	-9.4%
Royal Gold Inc.*	USD	2.5	3.8%	3.2	0%	28%	15%	98.53	70.16	41%	78.83	3.7%	82.94	-1.4%	0.7%	-0.1%	5.8%	-10.9%	-6.0%	-0.2%
Labrador Iron Ore Royalty Corporation	CAD	0.2	0.3%	1.1	-2%	-31%	28%	31.36	20.44	29%	26.19	-9.7%	25.16	-6.0%	-7.5%	-5.3%	-19.6%	-4.7%	-14.9%	-15.8%
Osisko Gold Royalties Ltd.	CAD	4.8	3.0%	9.0	9%	9%	-1%	14.85	9.27	44%	10.86	8.2%	11.46	2.6%	-1.4%	4.1%	10.8%	-6.4%	-18.5%	-19.1%
<b>Group Average</b>					<b>5%</b>	<b>4%</b>	<b>49%</b>			<b>48%</b>		<b>2.1%</b>		<b>-0.1%</b>	<b>-1.6%</b>	<b>-1.4%</b>	<b>4.0%</b>	<b>-7.3%</b>	<b>-9.5%</b>	<b>-10.3%</b>

Source: Company reports, Eight Capital, FactSet

**TARGET PRICE AND VALUATION****INDUSTRIAL METALS – SENIOR****CCO-T: Cameco Corporation**

We are maintaining our BUY rating and C\$18.00/sh target. Our target is based on 1.2x our NAVPS (C\$14.27/sh).

**FM-T: First Quantum Minerals Ltd.**

We are maintaining our BUY rating and lowering our target to C\$23.00/sh (from C\$27.00). Our target is based on a 50/50 weighting of 1.0x our NAVPS (C\$20.25/sh) and 5.5x FY20E EV/EBITDA.

**FCX-N: Freeport-McMoran Inc.**

We are maintaining our NEUTRAL rating and lowering our target to US\$16.00/sh (from US\$20.00). Our target is based on a 50/50 weighting of 1.0x our NAVPS (US\$20.48/sh) and 6.0x FY19E/20E EV/EBITDA.

**LUN-T: Lundin Mining Corp.**

We are maintaining our BUY rating and lowering our target to C\$10.00/sh (from C\$11.50). Our target is based on a 50/50 weighting of 1.0x our NAVPS (C\$11.32/sh) and 5.0x FY18E-20E EV/EBITDA.

**TECK.B-T: Teck Resources Ltd.**

We are maintaining our BUY rating and lowering our target to C\$42.00/sh (from C\$45.00). Our target is based on a 50/50 weighting of 1.0x our NAVPS (C\$35.87/sh) and 6.0x FY19E EV/EBITDA.

**TRQ-T: Turquoise Hill Resources Ltd.**

We are maintaining our BUY rating and lowering our target to C\$5.00/sh (from C\$5.50). Our target is based on 1.0x our NAVPS (C\$5.20/sh) estimate.

**PRECIOUS METALS – SENIOR****AEM-T: Agnico Eagle Mines Ltd.**

We are maintaining our NEUTRAL rating and increasing our target to C\$65/sh (from C\$60.00). Our target is based on a 60/40 weighting of 1.8x P/NAV and 10x FY20E EV/EBITDA.

**ABX-T: Barrick Gold Corporation**

We are maintaining our NEUTRAL rating and increasing our target to C\$20 (from C\$18). Our target is based on a 60/40 weighting of 1.6x P/NAV and 7x FY20E/21E EV/EBITDA.

**G-T: Goldcorp Inc.**

We are maintaining our NEUTRAL rating and C\$18/sh target. Our target is based on a 50/50 weighting 1.4x P/NAV and 6x FY20E/21E EV/EBITDA.

**K-T: Kinross Gold Corp.**

We are maintaining our NEUTRAL rating and increasing our target to C\$5.25/sh (from C\$5.00/sh). Our target is based on a 50/50 weighting of 1.2x P/NAV and 6x FY20E/21E EV/EBITDA.

**KL-T: Kirkland Lake Gold.**

We are maintaining our BUY rating and increasing our target price from \$45/share to \$46/share based on a 50/50 weighting of 2.0x our NAVPS and 15x our two-year forward looking CFPS estimate.

**PRECIOUS METALS – INTERMEDIATE****AR-T: Argonaut Gold Inc.**

We are maintaining our BUY rating and increasing our target price from \$2.65/share to \$3.00/share based on a 50/50 (previously 60/40) weighting of 1x our NAVPS and 5x our two-year forward looking CFPS estimate.

**BTO-T: B2Gold**

We are maintaining our BUY rating and \$5/share target price based on a 50/50 weighting of 1.4x (down from 1.5x) our NAVPS and 10x our two-year forward looking CFPS estimate.

**DGC-T: Detour Gold**

We are maintaining our BUY rating and increasing our target price from \$14.80/share to \$15.75/share based on a 50/50 (previously 60/40) weighting of 1x our NAVPS and 6x (up from 5x) our two-year forward looking CFPS estimate.

**ELD-T: Eldorado Gold Corp.**

We are maintaining our NEUTRAL rating and decreasing our target price from \$4.40/share to \$4.00/share based on a 50/50 (previously 60/40) weighting of 0.5x our NAVPS and 5x our two-year forward looking CFPS estimate.

**ROXG-T: Roxgold Inc.**

We are maintaining our BUY rating and increasing our target price from \$1.25/share to \$1.40/share based on a 50/50 (previously 60/40) weighting of 1x our NAVPS and 6x our two-year forward looking CFPS estimate.

**SJI-T: Superior Gold Inc.**

We are maintaining our BUY rating and increasing our target price from \$1.65/share to \$1.80/share based on a 50/50 (previously 60/40) weighting of 0.9x (down from 1x) our NAVPS and 4x (down from 5x) our two-year forward looking CFPS estimate.

**TXG-T: Torex Gold Resources Inc.**

We are maintaining our BUY rating and increasing our target price from \$16.00/share to \$18.00/share based on a 50/50 (previously 60/40) weighting of 0.9x our NAVPS and 6x (up from 5x) our two-year forward looking CFPS estimate.

**WDO-T: Wesdome Gold Mines Ltd.**

We are maintaining our BUY rating and increasing our target price from \$4.70/share to \$5.25/share based on 1.1x our NAVPS.

**YRI-T: Yamana Gold Inc.**

We are maintaining our BUY rating and increasing our target to C\$4.75 (from C\$4.25). Our target is based on a 50/50 weighting of 1.2x P/NAV and 5x FY19E/20E EV/EBITDA.

**STREAMING & ROYALTY****FNV-T: Franco-Nevada Inc.**

We are maintaining our BUY rating and increasing our target to C\$110/sh (from C\$105/sh). Our target is based on a 60/40 weighting of 2.0x P/NAV and 25x FY19E/20E EV/EBITDA.

**WPM-T: Wheaton Precious Metals**

We are maintaining our BUY rating C\$35/sh target. Our target is based on a 60/40 weighting of 1.5x P/NAV and 21x FY19E/20E EV/EBITDA.

**RGLD-N: Royal Gold**

We are maintaining our NEUTRAL rating and increasing our target to US\$90/sh (from US\$80). Our target is based on a 60/40 weighting of 1.3x P/NAV and 20x FY19E/20E EV/EBITDA.

**LIF-T: Labrador Iron Ore Royalty Corp.**

We are maintaining our NEUTRAL rating and lowering our target to C\$32.00/sh (from C\$34.00). Our target is based on a 75/25 weighting of 7% implied yield on FY19E/20E DPS.



**OR-T: Osisko Gold Royalties**

We are maintaining our NEUTRAL rating and increasing our target price from \$12.15/share to \$13.00/share based on a 50/50 (previously 60/40) weighting of 1.2x (up from 1.1x) our NAVPS and 15x our two-year forward looking CFPS estimate.

**BATTERY METALS****KBLT-V: Cobalt 27 Capital Corp.**

We are maintaining a BUY rating and revising our target to C\$12.50 from C\$15.00. Our target is based on a sum-of-all-parts of: 1) a 1.0x NAVPS multiple applied to its physical cobalt holdings and our F2020 cobalt price of US\$38/lb, 2) a 1.3x NAVPS multiple applied to RAMU Ni-Co's 8% DCF, and 3) a 1.3x NAVPS multiple applied to an 8% DCF of the Voisey's Bay stream.

**NMX-T: Nemaska Lithium Inc.**

We are maintaining our BUY rating and C\$2.50/sh target price. Our target is based on a 1.0x NAVPS multiple applied to our 10% DCF assumption.

**U-N: Uranium Participation Corp.**

We reiterate our BUY recommendation and C\$5.80/sh target price. Our target is based on underlying U3O8 and UF6 holdings and our forecasted Q4/19 price of US\$40/lb U3O8.

**UEC-US: Uranium Energy Corp.**

We maintain our BUY recommendation and US\$3.20/sh target price. Our target is based on a 10% DCF model and a 0.9x NAVPS multiple.

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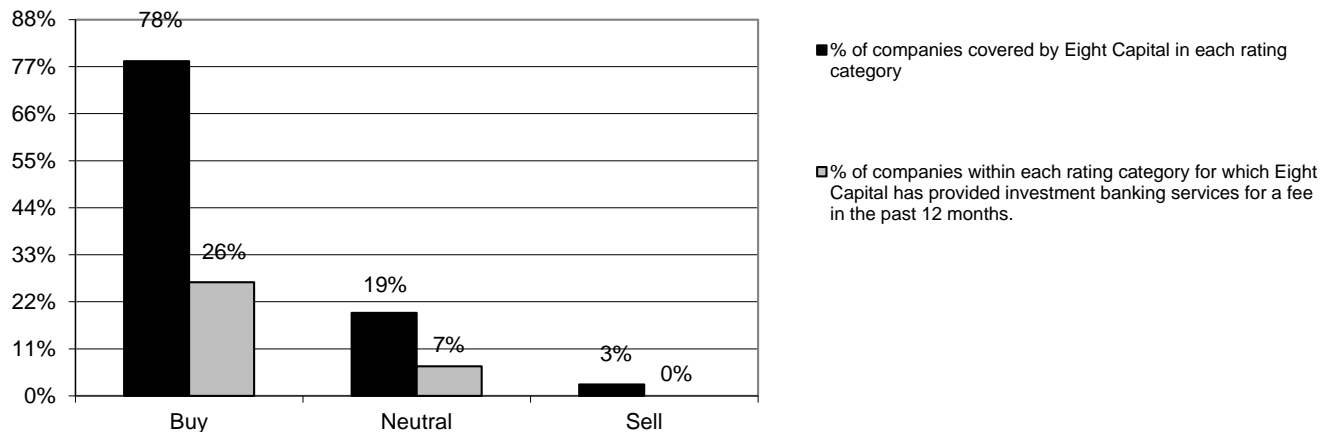
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