

# Commodities update

## Big commodity price downgrades

- Despite the oft cited correlation between commodity prices and inflation, Macquarie have argued that this only holds while inflation is “demand pull” in nature and accelerating.
- If the causation becomes “cost push”, or merely once the inflation itself and the associated central bank policy responses become demand destructive, inflation presents a headwind for commodity prices. This dynamic now appears to be playing out in an even faster and more dramatic fashion than was their base case a quarter ago.
- Moreover, the erosion of Russia related supply risk premiums has dovetailed, with lacklustre Chinese domestic demand growth, slowing US construction and manufacturing sectors, and the early arrival of a European industrial recession to precipitate a rapid reversal of investor positioning and sharp prices declines across commodity markets.
- Until demand growth appears set to turn sustainably higher, Macquarie think it will remain a “sell rallies” market environment.
- For that turn to come, developed market inflation will arguably need to have been tamed, enabling central banks to dial back restrictive policy settings, and China’s efforts to lift domestic end demand will need to be gaining traction, quite possibly after a progressive relaxation of the country’s zero-Covid policy.
- Macquarie’s base case is for general price lows to be made in 1H23 and, when that cyclical turn comes, for the positive secular demand trends emanating from the energy transition to become a progressively larger driver of commodity markets, especially if lower interim prices have slowed potential supply growth in those markets crucial to its delivery.

*This is a summary of the recently released “Commodities Compendium: The (super) cycle is dead, long live the cycle” from Macquarie’s global commodities team.*

## Key commodity calls

Macquarie’s commodity preferences listed below are set relative to spot prices reported shortly before the publication of this report.

### Short-term tactical views

- **Precious metals** – Rising real interest rates and a strong US dollar present a clear headwind to precious metals, added to which silver should underperform while global industrial growth is slowing.
- **US HRC** – Prices expected to fall further as the US enters recession and demand declines sequentially.
- **California carbon** – Upside from likely programme revision and linkage to inflation.

### Next 6-9 months’ most preferred

- **Coking coal** – Despite the weak steelmaking backdrop, cross-over tonnes moving into the thermal market tightens the balance.
- **Thermal coal** – Tighter for longer as a beneficiary of gas and power markets, while high-CV seaborne supply growth is constrained.

### Next 6-9 months’ least preferred

- **Oil** – Ongoing ramp-up of US shale production and signs of demand destruction move the market into surplus.
- **Industrial metals and bulks** – A global growth slowdown is bad news for prices across the board.

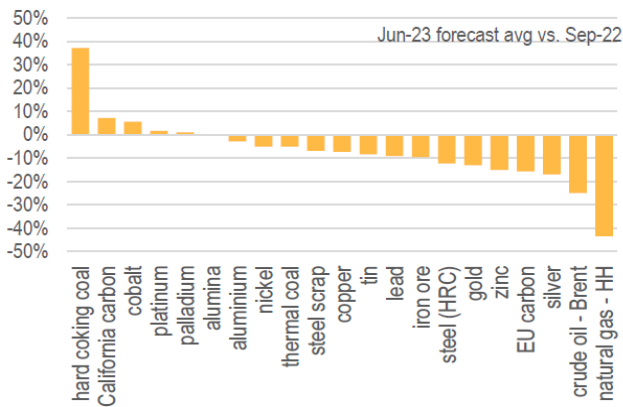
### Medium-term winners

- **Carbon** – European ETS market benefits from tighter cap and policy tailwind from RePowerEU programme.
- **Electrification metals** – The EV revolution is underway and elevated prices will be required for sufficient supply to be delivered.

**Medium-term strugglers**

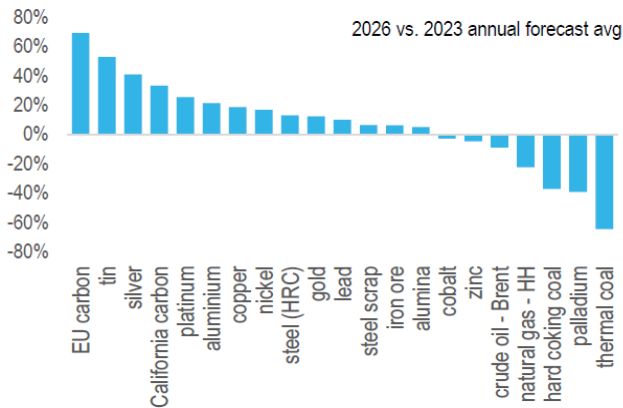
- **Fossil fuels** – Current cyclical tightness wanes and structurally negative demand trends develop, though gas remains a key transition fuel.
- **Palladium** – The end of the structural bull market, with autocatalyst demand set to decline at the same time as primary and secondary supply rise.

**Next 6 to 9-months: Most markets expected to bottom in 1H 2023**



Source: Macquarie Commodity Strategy, September 2022

**Four years out: Upside building for energy transition winners**



Source: Macquarie Commodity Strategy, September 2022

**Big forecast downgrades (& some upgrades)**

- **Base metals downgrades** – copper (31<sup>st</sup> August), zinc and aluminium were previously downgraded due to deteriorating demand conditions, albeit with smelter cut offsets for the latter two metals.

- **Ferrous downgrade** (23<sup>rd</sup> August) – iron ore expected to deliver a clear surplus in Q4 and steel prices to come under pressure from slowing ex-China growth.
- **Coking coal upgrade** (13<sup>th</sup> September) – despite the weak steelmaking backdrop, short-term support from semi-soft tonnes switching to the thermal market and longer-term lack of supply growth tightens the balance.
- **Thermal coal upgrade** (27<sup>th</sup> September) – tighter for longer as gas shortages and elevated electricity prices boost demand at the same time as supply growth ex-Indonesia and China domestic is constrained.
- **Precious metals downgrade** – even faster Fed hiking cycle, to a higher peak, reduces late 2022 and early 2023 price expectations.
- **EU carbon downgrade** – weaker demand due to industrial recession and increased supply from auction frontloading but LT upgraded given commensurate reduction in deferred supply.

**Revisions to Macquarie’s price forecasts since last Commodities Compendium of 21<sup>st</sup> June 2022**

	CY22	CY23	CY24	CY25
Aluminium	-7%	-18%	-24%	-20%
Copper	-12%	-16%	-6%	-5%
Nickel	-6%	0%	0%	0%
Zinc	-9%	-15%	-4%	0%
Crude Oil Brent	-5%	0%	-1%	-1%
Crude Oil WTI	-7%	0%	-1%	-1%
Thermal Coal	14%	58%	114%	124%
EU carbon	-5%	-28%	-22%	-16%
California carbon	-11%	-14%	0%	0%
Iron Ore, fines	-14%	-19%	6%	6%
Iron Ore, lump	-19%	-18%	5%	5%
Hard Coking Coal	-10%	41%	21%	41%
Soft Coking Coal	-8%	58%	82%	100%
Steel HR Coil	-14%	-8%	15%	5%
Gold	-3%	-3%	0%	0%
Silver	-5%	-13%	-3%	0%
Palladium	-3%	3%	6%	8%
Platinum	-9%	-7%	0%	0%
Lithium	2%	45%	92%	102%

Source: Macquarie Commodity Strategy, LME, CME, ICE, Bloomberg, Platts, September 2022

## Macquarie's metals, bulk and energy price forecasts

commodity	unit	LT price 2022\$ real	Sep-22 est.	Dec-22 est.	Mar-23 est.	Jun-23 est.	Sep-23 est.	2022 est.	2023 est.	2024 est.	2025 est.	2026 est.
copper	\$/tonne	7,700	7,765	7,400	7,100	7,200	7,200	8,674	7,225	7,600	7,950	8,563
aluminium	\$/tonne	2,500	2,365	2,250	2,200	2,300	2,350	2,693	2,288	2,250	2,500	2,775
zinc	\$/tonne	2,350	3,295	3,100	2,900	2,800	2,600	3,521	2,725	2,700	2,650	2,600
nickel	\$/tonne	20,000	22,100	22,000	21,000	21,000	21,000	25,285	21,000	21,000	23,000	24,500
lead	\$/tonne	1,850	1,980	1,850	1,820	1,800	1,800	2,093	1,818	1,900	1,925	2,000
tin	\$/tonne	30,000	24,000	22,000	20,000	22,000	23,000	31,603	22,250	26,000	30,000	34,000
gold	\$/oz	1,500	1,725	1,625	1,575	1,500	1,550	1,775	1,556	1,650	1,700	1,750
silver	\$/oz	21.0	19.25	18.25	17.00	16.00	17.50	21.05	17.38	21.25	23.25	24.50
platinum	\$/oz	1,050	885	850	825	900	1,000	934	956	1,150	1,200	1,200
palladium	\$/oz	1,000	2,080	2,000	1,900	2,100	2,000	2,135	1,975	1,650	1,350	1,200
rhodium	\$/oz	2,000	14,343	14,000	12,000	10,000	8,000	15,673	9,500	5,000	3,000	2,750
iron ore, spot fines	\$/tonne, cfr China	80	105	90	90	95	100	119	99	105	100	105
iron ore, spot lump	\$/tonne, cfr China	96	111	93	100	113	118	130	115	123	120	125
hard coking coal	US\$/tonne, fob Aust	200	255	310	350	350	350	376	350	340	310	220
LV-PCI	US\$/tonne, fob Aust	158	250	307	343	343	343	342	343	323	279	187
semi-soft coking coal	US\$/tonne, fob Aust	134	212	288	319	319	319	305	319	306	264	176
steel (avg HRC)	\$/tonne	547	718	635	615	630	655	882	640	730	703	723
steel scrap (avg #1HMS)	\$/tonne	277	387	341	341	360	373	436	368	391	376	391
thermal coal, spot	US\$/tonne, fob Aust	80	400	420	420	380	350	362	368	263	190	130
thermal coal, JFY	US\$/tonne, fob Aust	80	375	375	375	330	330	309	341	263	195	135
EU carbon	EUR/t, spot	105	77	65	65	65	65	77	65	70	80	110
California carbon	US\$/tonne	44	28	26	30	30	30	29	30	38	40	40
alumina	US\$/tonne, spot fob Aust	288	330	335	320	330	325	364	324	318	336	340
ferrochrome	c/lb, EU	130	180	150	150	150	140	182	145	145	150	155
molybdenum	\$/lb	13.00	16.00	17.00	16.00	15.00	15.00	17.62	15.25	14.00	13.00	13.00
cobalt	\$/lb (99.8%)	28.5	26.50	27.00	27.00	28.00	28.00	32.00	27.75	27.75	27.00	27.00
lithium	\$/tonne, Asia Carbonate	15,000	66,000	65,000	63,000	61,000	59,000	63,072	60,250	55,750	47,000	36,250
crude oil - Brent	\$/bbl	61.00	98.00	88.00	85.00	80.00	70.00	98.97	76.25	65.46	67.41	69.41
crude oil - WTI	\$/bbl	57.00	93.00	83.00	80.50	75.50	65.50	94.88	71.25	61.17	62.99	64.86
natural gas - HH	\$/mmBtu	3.75	8.00	7.30	7.00	5.00	4.75	6.85	5.50	4.02	4.14	4.27

Source: Macquarie Commodity Strategy, LME, CME, ICE, Bloomberg, Platts, (i.e. 2022\$ real, active from 2027), September 2022

## Macquarie WM Investment Strategy Team

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## Commodities Update was finalised on 29 September 2022.

### Recommendation definitions (Macquarie Australia/New Zealand)

**Outperform** – return >3% in excess of benchmark return

**Neutral** – return within 3% of benchmark return

**Underperform** – return >3% below benchmark return

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