

JPM Price forecasts

Figure 3: J.P. Morgan Price forecasts

Current nominal forecasts	2014A	2015A	2016A	2017E	2018E	2019E	2020E	2021E	LT (real)
Base Metals									
Copper (US\$/lb)	3.10	2.50	2.21	2.54	2.40	2.77	2.95	3.08	2.85
Nickel (US\$/lb)	7.67	5.40	4.37	4.35	3.86	4.54	6.80	7.98	8.16
Aluminium (US\$/lb)	0.85	0.76	0.73	0.88	0.84	0.87	0.94	0.95	0.85
Alumina spot (US\$/t)	329	298	253	319	325	280	310	320	300
Lead (US\$/lb)	0.95	0.86	0.85	1.00	0.99	1.00	1.01	1.02	0.91
Zinc (US\$/lb)	0.98	0.88	0.95	1.18	1.07	1.04	1.00	1.01	0.91
Bulk Commodities									
Iron ore fines (US\$/dt CFR China)	97	56	58	67	65	65	63	63	50
Thermal coal (US\$/t)	70	58	65	78	70	68	70	73	67
Hard coking coal (US\$/t) - spot	122	95	142	157	120	120	121	123	110
Semi-soft coking coal (US\$/t)	91	78	85	122	94	94	93	91	80
Precious Metals									
Gold (US\$/oz)	1,266	1,161	1,249	1,240	1,295	1,250	1,200	1,385	1,400
Silver (US\$/oz)	19.07	15.72	17.10	17.24	18.72	18.38	17.65	22.26	24.00
Energy									
Oil - WTI (US\$/bbl)	93	49	43	52	53	58	63	72	69
Oil - Brent (US\$/bbl)	99	54	46	54	55	60	65	73	70
Natural gas - Henry Hub (US\$/mcf)	4.38	2.63	2.55	3.15	3.00	2.75	2.94	3.20	3.00
Currencies									
AUD/USD	0.90	0.75	0.74	0.74	0.69	0.70	0.73	0.75	0.76
Other									
Manganese ore (US\$/dmu)	4.10	2.97	4.44	4.97	4.00	4.04	4.11	4.11	3.75
Ferro-Manganese Alloy (US\$/t)	1,060	902	875	1,300	1,043	1,094	1,147	1,147	1,100
Freight WA - China (US\$/t)	8.22	4.98	4.40	5.55	6.50	6.50	7.50	9.00	10.00
Mineral Sands									
Rutile (US\$/t)	818	780	728	789	913	1,001	1,041	1,092	1,000
Synthetic Rutile (US\$/t)	731	690	665	718	823	906	941	984	900
Chloride Ilmenite (US\$/t)	155	140	104	134	155	170	177	186	170
Zircon (US\$/t)	1,065	1,033	950	1,055	1,260	1,344	1,385	1,432	1,300

Source: J.P. Morgan estimates, Bloomberg.