

APPENDIX B: COAL MINING COMPANIES

These are the active companies in Bloomberg's "coal operations" sector definition. Note: some names are cut off due to the Bloomberg export function.

Short Name	Market Cap (thousands)¹
Bayan Resources Tbk PT	26,500,000,645
Adaro Energy Tbk PT	22,869,962,654
Tambang Batubara Bukit Asam Pe	15,840,906,838
Golden Energy Mines Tbk PT	9,647,058,584
Indo Tambangraya Megah Tbk PT	8,926,407,950
Dian Swastatika Sentosa Tbk PT	7,705,523,126
Baramulti Suksessarana Tbk PT	2,878,150,017
Harum Energy Tbk PT	2,284,559,008
Mitrabara Adiperdana Tbk PT	1,975,907,779
Bumi Resources Tbk PT	1,831,350,960
Coal India Ltd	1,763,213,181
Atlas Resources Tbk PT	1,350,000,050
Toba Bara Sejahtera Tbk PT	1,207,494,640
Samindo Resources TBK PT	1,094,331,007
Darma Henwa Tbk PT	1,092,686,709
Golden Eagle Energy Tbk PT	818,999,984
Resource Alam Indonesia Tbk PT	609,999,978
Exploitasi Energi Indonesia Tb	591,119,843
China Shenhua Energy Co Ltd	333,421,445
Vinacomin Vang Danh Coal JSC	327,783,318
Vinacomin - Nui Beo Coal JSC	255,293,948

¹ Current market capitalization is the monetary value of all outstanding shares stated in the pricing currency as of May 3, 2016. Capitalization is a measure of corporate size.

Vinacomin - HaLam Coal JSC	210,946,146
Vinacomin - Ha Tu Coal JSC	173,351,666
Vinacomin Coc Sau Coal JSC	167,683,146
Vinacomin Deo Nai Coal JSC	142,399,996
Semirara Mining & Power Corp	135,624,376
Vinacomin Cao Son Coal JSC	131,993,215
Vinacomin - Mong Duong Coal JS	126,705,197
Bac Giang Exploitable Mineral	105,233,834
SI Resources Co Ltd	94,828,823
Adani Enterprises Ltd	94,473,683
Tavantolgoi Jsc	79,261,123
China Coal Energy Co Ltd	71,971,389
Wintime Energy Co Ltd	49,928,094
Banpu PCL	48,410,218
Yanzhou Coal Mining Co Ltd	46,859,719
Vinacomin-Central Zone-Coal JS	36,817,019
Baganuur Jsc	35,866,157
Akbar Indo Makmur Stimec Tbk P	32,450,001
Exxaro Resources Ltd	31,413,453
Shivee Ovoo JSC	30,769,998
Uzhnyi Kuzbass PJSC	29,681,777
Shanxi Xishan Coal & Electrici	27,100,320
Shanxi Meijin Energy Co Ltd	26,209,534
Nippon Coke & Engineering Co L	22,978,558
Sharyn Gol JSC	22,509,056
Jizhong Energy Resources Co Ltd	22,473,357

Shanxi Lu'an Environmental Energy Development Co Ltd	22,465,483
Gujarat Mineral Development Co	22,450,801
Guangzhou Development Group In	22,136,715
Guizhou Panjiang Refined Coal	18,189,019
Yang Quan Coal Industry Group	18,061,550
Energy Earth PCL	16,497,584
CCS Supply Chain Management Co	16,172,157
Mitsui Matsushima Co Ltd	15,393,210
Henan Dayou Energy Co Ltd	15,277,292
SDIC Xinji Energy Co Ltd	14,532,940
Shanghai U9 Game Co Ltd	13,648,010
Joban Kosan Co Ltd	13,301,255
Huolinhe Opencut Coal Industry	13,254,810
Kaidi Ecological and Environme	13,188,809
Changzheng Engineering Co Ltd	12,298,909
Pingdingshan Tianan Coal Mining	10,837,748
Gansu Jingyuan Coal Industry a	9,582,409
Shanxi Lanhua Sci-Tech Venture	9,082,080
Beijing Haohua Energy Resource	8,567,988
Qitaihe Baotailong Coal & Coal	7,630,650
Shanxi Coal International Energy	7,315,263
Kailuan Energy Chemical Co Ltd	7,173,258
Shanghai Datun Energy Resource	7,003,138
Shanghai Chuangli Group Co Ltd	6,448,353
Shougang Fushan Resources Group	6,203,150

Anhui Hengyuan Coal Industry a	6,130,025
Taiheiyo Kouhatsu Inc	5,837,586
Kuzbasskaya Toplivnaya Kompani	5,737,133
Inner Mongolia Pingzhuang Energy Co Ltd	5,598,971
Zhengzhou Coal Industry & Elec	5,493,007
Sumiseki Holdings Inc	5,300,357
Anyuan Coal Industry Group Co	5,157,691
Belon OJSC	5,129,000
HeiLongJiang HeiHua Co	5,093,400
Lanna Resources PCL	4,698,747
Xinjiang Bai Hua Cun Co Ltd	4,321,838
Gujarat NRE Coke Ltd	4,129,748
Washington H Soul Pattinson &	3,887,780
Aduunchuluun JSC	3,813,078
Qinghai Jinrui Mineral Develop	3,607,967
CONSOL Energy Inc	3,536,826
Noble Group Ltd	2,810,226
Jastrzebska Spolka Weglowa SA	2,428,072
Agritrade Resources Ltd	2,418,494
Inner Mongolia Yitai Coal Co L	2,326,289
Asia Green Energy PCL	2,093,110
Coal Asia Holdings Inc	2,000,000
Feishang Anthracite Resources	1,932,764
China Best Group Holding Ltd	1,663,586
Kinetic Mines and Energy Ltd	1,660,710
Loudong General Nice Resources	1,596,689

Lubelski Wegiel Bogdanka SA	1,595,237
Unique Mining Services PCL	1,208,123
Asia Coal Ltd	1,200,969
New Hope Corp Ltd	1,180,092
Alliance Resource Partners LP	1,165,457
Taung Gold International Ltd	1,079,755
Alliance Holdings GP LP	1,054,187
King Stone Energy Group Ltd	1,002,514
Whitehaven Coal Ltd	790,055
Petmin Ltd	628,830
Mongolian Mining Corp	620,594
Up Energy Development Group Ltd	535,545
Lodestar Investment Holdings C	525,400
Bel Global Resources Holdings	518,499
China Qinfra Group Ltd	498,683
Nan Nan Resources Enterprise Ltd	497,493
Rudnik Kovin ad Kovin	436,564
Hidili Industry International	398,892
Winsway Enterprises	373,547
Wescoal Holdings Ltd	372,928
Capital Finance Holdings Ltd	372,052
Shumba Energy Ltd	319,230
Foresight Energy LP	232,964
CNX Coal Resources LP	224,790
Kaisun Energy Group Ltd	214,799
Rosan Resources Holdings Ltd	185,295

Keaton Energy Holdings Ltd	172,277
Natural Resource Partners LP	166,286
Grand Ocean Advanced Resources	166,147
Cloud Peak Energy Inc	138,457
Hallador Energy Co	137,187
Geo Energy Resources Ltd	128,501
Westmoreland Coal Co	128,065
Westmoreland Resource Partners	125,988
Hemang Resources Ltd	118,800
Ichor Coal NV	105,955
Greenearth Resources and Proje	101,604
Grand China Energy Group Ltd	93,448
Atrum Coal NL	91,261
Coal of Africa Ltd	75,153
AJ Lucas Group Ltd	70,225
Stanmore Coal Ltd	57,849
Rhino Resource Partners	55,130
Yasynivka Cokery Plant PJSC	54,090
Chandra Prabhu International L	52,881
Foundry Fuel Products Ltd	50,117
CCX Carvao da Colombia SA	48,995
Auroma Coke Ltd	40,820
White Energy Co Ltd	39,405
China Natural Resources Inc	39,359
Kabra Commercial Ltd	36,750
BlackGold Natural Resources Lt	33,914

Sino Hua-An International Bhd	33,669
Metro Mining Ltd	29,861
Peabody Energy Corp	29,434
NuEnergy Gas Ltd	28,788
Churchill Mining PLC	28,753
Tigers Realm Coal Ltd	27,771
Coal Energy SA	25,206
Astron Corp Ltd	24,496
Oracle Coalfields PLC	22,795
Resource Generation Ltd	22,674
Prairie Mining Ltd	21,983
Carbon Energy Ltd	21,164
Exotic Coal Ltd	20,726
Cenospheres Trade And Engineer	19,350
Rudnik Uglja AD Pljevlja	17,726
Kangaroo Resources Ltd	17,172
Morien Resources Corp	16,430
Ncondezi Energy Ltd	14,679
Saturn Minerals Inc	14,633
Valley Magnesite Co Ltd	13,776
Terracom Ltd	12,005
Colonial Coal International Co	11,617
Galilee Energy Ltd	11,258
Altona Energy PLC	10,703
GCM Resources PLC	10,372
Hongli Clean Energy Technologies	10,303

Sadovaya Group SA	9,479
Melior Resources Inc	8,459
Malabar Coal Ltd	8,000
Pagaria Energy Ltd	7,873
Bisichi Mining PLC	7,847
Pacific American Coal Ltd	7,471
Moreton Resources Ltd	7,317
Arch Coal Inc	6,648
Strike Resources Ltd/Australia	6,540
Jameson Resources Ltd	5,840
Delta SBD Ltd	5,600
Abilene Oil and Gas Ltd	5,567
Prophecy Development Corp	5,484
Canada Rare Earth Corp	5,008
Alpha Natural Resources Inc	3,783
Cuesta Coal Ltd	3,699
Greenpower Energy Ltd	3,653
New Standard Energy Ltd	3,343
Ikwezi Mining Ltd	3,049
Edenville Energy PLC	3,002
Acacia Coal Ltd	2,711
Draig Resources Ltd	2,457
Perpetual Resources Ltd	2,309
New Age Exploration Ltd	2,061
COALBANK Ltd	1,964
Pan Asia Corp Ltd	1,940

Minecorp Energy Ltd	1,846
East Energy Resources Ltd	1,782
NuCoal Resources Ltd	1,537
Altitude Resources Inc	1,383
Discovery Africa Ltd	1,339
MMEX Mining Corp	1,137
Canada Coal Inc	1,086
County International Ltd	942
Westcore Energy Ltd	577
Allegiance Coal Ltd	530
L&L Energy Inc	396
US China Mining Group Inc	94
Liberty Coal Energy Corp	71
Westport Energy Holdings Inc	69
KAL Energy Inc	57
Colombia Energy Resources Inc	54
Suburban Minerals Corp	33
Borneo Resource Investments Lt	16
Bagliykoks	
Roton Compagnie Indust & Finan	
New Horizon Coal Ltd	
Qinghai Spring Medicinal Resou	
Shubarkol Komir JSC	
Coal mine Komsomolets Donbasa	
DTEK Oktyabrskaya CEP PJSC	

Khar Tarvagtai JSC	
Kinetiko Energy Ltd	
DTEK Dobropolskaya CEP PJSC	
RMU Kamengrad dd Sanski Most	
Charbonnages d'Argenteau	
EastCoal Inc	
Bayanteeg Jsc	
Talyn Gal JSC	
Tay Nam Da Mai Coal JSC Vinaco	
Sundiro Holding Co Ltd	
Vinacomin Transportation and M	
Leo Investments Tbk PT	
Hwange Colliery Co Ltd	
Continental Coal Ltd	
Mogoin Gol Jsc	
Razrez Tulunsky OAO	
Aus Asia Minerals Ltd	
Homeland Energy Group Ltd	
Maikuben West Holding	
Berkh Uul Jsc	
Mezhdurechie OAO	
Datong Coal Industry Co Ltd	
Charbonnages Helchteren-Zolder	
Pokrovske Mine Management PJSC	
Kuzbassrazrezugol OJSC	
Novo Group Ltd/Singapore	

Southern Fuel Ltd	
Garda Tujuh Buana Tbk PT	
Indus Coal Ltd	
Avdiivka Coke Plant PJSC	
Zaporozhcoke PJSC	
Berau Coal Energy Tbk PT	
Vorgashorskaya Coal Mine OAO	
Waterberg Coal Co Ltd/The	
Taiyuan Coal Gasification Co L	
Bara Jaya Internasional Tbk PT	
Upir	
Khotgor Jsc	
Donetskkoks	
Xinjiang International Industry	
Cockatoo Coal Ltd	
Caliber Energy Inc	
Orpheus Energy Ltd	
Linkson International Ltd	
Krasnodonvugillya JSC	
Carbon Minerals Ltd	
Powder River Coal Corp	
Kiewit Royalty Trust	
Charbonnages du Bois du Luc	
ZYL Ltd/Australia	
Primorskugol PJSC	
Charbonnages de Gosson Kessale	

South African Coal Mining Hold	
Great Wall International ACG C	
United Coal Holdings Ltd	
Coal Creek Co/The	
Celsius Coal Ltd	