

# Excluded Investments

## Introduction

Investment exclusions form an integral part of Danske Bank's approach to responsible investments. They serve to safeguard our customers' assets and enhance the risk-adjusted return on our investments, but also to reduce our investments' negative impact on society. Investment products managed by Danske Bank therefore to a large extent apply exclusions.

The level of exclusions that apply varies depending on the specific strategy under management as we strive to design our investment product offering to cater for the different preferences of customers. The majority of investment products under management apply exclusions on [Sustainability Risks](#). Investments products that are actively promoted and disclosing exclusions as an integral part of the investment strategy typically apply a combination of exclusions that consider environmental, social and governance related aspects, including:

- [Enhanced Sustainability Standards](#)
- [Peat Fired Power Generation](#)
- [Tar Sands](#)
- [Thermal Coal](#)
- [Controversial Weapons](#)
- [Tobacco](#)

For many of our managed funds, these base exclusions are supplemented by exclusions on [Pornography](#). Most Danske Invest funds marketed towards our Norwegian customers also have exclusions, [SPU Exclusions](#), replicating those of the Norges Bank Investment Management (Statens Pensjons Utland).

For certain investment products we apply an even more extended range of exclusions to meet the sustainability preferences of our clients, including exclusions relating to:

- [Extended Enhanced Sustainability Standards](#)
- [Alcohol](#)
- [Gambling](#)
- [Military Equipment](#)
- [Fossil Fuel Transition Laggards](#)
- [Fossil Fuels](#)
- [Paris Aligned Benchmark \(PAB\)](#)
- [Climate Transition Benchmark \(CTB\)](#)

Investment products making sustainable investments meet our restricted criteria defined for the so-called "principal adverse impact indicators" in respect to these investments. We refer to these restricted criteria as [PAI-Exclusions](#). For investment products that invest partially in sustainable investments, the PAI-exclusions only generally apply to those investments. For investments products with the objective of only investing in sustainable investments, the PAI-Exclusions apply to all investments.

Further information on the exclusions mentioned in this document is available through the descriptions of the relevant categories, activities, criteria, scope and thresholds in the Danske Bank [Exclusion Instruction](#) under [Sustainability Related Disclosures](#).

The screening of companies and other issues covered by these exclusions is carried out at a bi-annual basis resulting in updates to the exclusion lists under each category. For the screening we primarily use external data sources, which are continuously assessed by Danske Bank's Responsible Investment team. Despite thorough due diligence and efforts to ensure data accuracy, completeness, and reliability, there may be a margin of error associated to the screening due to data inconsistencies. The exclusion lists cover direct investments in instruments (e.g. equity, bonds) issued by the respective companies and issues, this also includes sustainability labelled bonds issued by excluded issuers. Affiliation with an excluded issuer does not, in principle, lead to the exclusion of other issuers. The exclusion lists do not cover indirect exposures to the issuers gained via the use of derivatives. Specific investments covered by thermal coal exclusions or fossil fuel exclusions may be exempted from exclusions in accordance with the principles set out in the Exclusion Instruction. You will find an overview of these exemptions [here](#).

The Responsible Investment Committee may in extraordinary cases decide to allow for an investment product to stay invested in an investment otherwise excluded by the product in accordance with the [Exclusion Instruction](#) and principles set out on de minimis exposures.

## Sustainability Risk Exclusions

Danske Bank applies sustainability risk exclusions for the majority of managed investment products as part of our commitments to consider and integrate sustainability risk considerations in our investment management processes. The sustainability risk exclusions capture involvement in activities deemed to expose significant risks to investments based on a proprietary model.

### Excluded Investments

|                                      |                                       |                                                |
|--------------------------------------|---------------------------------------|------------------------------------------------|
| Alliance Aviation Services Ltd       | KyungDong Invest Co Ltd               | Qutoutiao Inc                                  |
| Baskent Dogalgaz Dagitim Gayrimenkul | Liberty TripAdvisor Holdings, Inc.    | Rgc Resources, Inc.                            |
| Yatirim Ortakligi AS                 | Mesa Air Group Inc                    | Shaan Xi Provincial Natural Gas Co Ltd         |
| Bristow Group Inc.                   | Multi Commodity Exchange of India Ltd | Shanghai Dazhong Public Utilities Group Co Ltd |
| China Express Airlines Co Ltd        | N L Industries, Inc.                  | Sun Country Airlines Holdings Inc              |
| Cox & Kings Ltd                      | National Gas & Industrialization Co   | Trada Alam Minera Tbk PT                       |
| Ferrellgas Partners LP               | OmniAb Inc                            | TRG Pakistan                                   |
| Holly Energy Partners, L.P.          | Opera Ltd                             | Unity Bancorp, Inc.                            |
| Indian Bank                          | Prospect Capital Corporation          |                                                |

## Enhanced Sustainability Standards

The Enhanced Sustainability Standards screening is Danske Bank's proprietary screening model that supports the exclusion of companies/issuers engaged in certain activities and conduct deemed harmful to society. The exclusions apply fully to all investment products and pension products manufactured within Danske Bank that are disclosing this to investors.

Enhanced screening is a multidimensional process assessing both environmental materiality as well as social materiality in order to promote adherence to UN Global Compact, principles, OECD Guidelines for Multinational Enterprises, UN Guiding Principles on Business and Human Rights and ILO conventions and other relevant environmental or social safeguards by its exclusions. The screening also seeks to capture certain other activities indicating weak sustainability practices (in particular) by addressing controversies and Danske Bank Position Statements as well as weak governance practices governance practices are addressed through the good governance test outlined below. More information on the screening can be found in this [methodology paper](#).

The Enhanced Sustainability Standards screening process consists of three sub-processes with exclusions tied to each:

- 1) [Incident & Event-based Screening](#)
- 2) [Good Governance](#)
- 3) [Country Assessment](#)

### Excluded Investments - Incident & Event-based Screening

|                                            |                                                      |                                              |
|--------------------------------------------|------------------------------------------------------|----------------------------------------------|
| Abrau-Durso PJSC                           | Beijing Tong Ren Tang Chinese Medicine Co., Ltd.     | CNOOC Curtis Funding No. 1 Pty Ltd.          |
| AcBel Polytech, Inc.                       | Beijing Tongrentang Co., Ltd.                        | CNOOC Finance (2003) Ltd.                    |
| Acron PJSC                                 | Belon OJSC                                           | CNOOC Finance (2011) Ltd.                    |
| Adani Abbot Point Terminal Pty Ltd.        | Belpetsvneshtekhnika                                 | CNOOC Finance (2012) Ltd.                    |
| Adani Enterprises                          | Beluga Group PJSC                                    | CNOOC Finance (2013) Ltd.                    |
| Adani Green Energy                         | Bharat Electronics Limited                           | CNOOC Finance (2014) ULC                     |
| Adani Ports & Special Economic Zones       | Bharat Heavy Electricals Ltd                         | Cnooc Finance (2015) Australia Pty Ltd.      |
| Aeroflot PJSC                              | Black Sea Trade & Development Bank                   | CNOOC Finance (2015) U.S.A. LLC              |
| Aganftegazgeologia OAO                     | BRF SA                                               | CNOOC Ltd                                    |
| Agrofirma Mcenskaya OAO                    | Bunge Alimentos SA                                   | Commercial Sea Port of Vladivostok PJSC      |
| Alfa-Bank                                  | Bunge Brasil SA                                      | Companhia Energetica De Minas Gerais (CEMIG) |
| Almaz-Antei PAO                            | Bunge Finance Europe BV                              | Conoco Funding Co.                           |
| Alrosa PJSC                                | Bunge Ltd                                            | ConocoPhillips                               |
| ALROSA-Nyurba PJSC                         | Bunge Ltd. Finance Corp.                             | ConocoPhillips Australia Funding Co.         |
| Aphria                                     | Bunge NA Finance LP                                  | ConocoPhillips Canada Funding Co. I          |
| Archer-Daniels Midland Co.                 | Cargill                                              | ConocoPhillips Canada Funding Co. II         |
| Arktikftegazstroy OAO                      | Center for Cargo Container Traffic                   | ConocoPhillips Co.                           |
| Aselsan Elektronik Sanayi ve Ticaret AS    | TransContainer PJSC                                  | CoreCivic Corp                               |
| Atomic Energy Power Corp.                  | Centerenergyholding JSC                              | Credit Bank of Moscow PJSC                   |
| Avangard Bank PJSC                         | Centrais Eletricas Brasileiras SA (Eletrobras)       | Dalmoreprodukt                               |
| Avary Holding (Shenzhen) Co., Ltd.         | Central Bank of the Russian Federation/The           | Daqo New Energy Corp.                        |
| AviChina Industry & Technology             | Central Telegraph PJSC                               | DTE Energy Co                                |
| Aziyo Biologics, Inc.                      | Cetelem Bank                                         | Dushanzi Petrochemical Company               |
| Bajaj Hindustan Sugar Ltd.                 | Changhong Meiling Co., Ltd.                          | Elbit Systems Ltd.                           |
| Bamtonnelstroy                             | Chelyabinsk Forge & Press Plant PJSC                 | Elektrostal OAO                              |
| Bank Otkritie Financial Corp OJSC Via OFCB | Chelyabinsk Metallurgical Plant PJSC                 | ElSewedy Electric Co                         |
| Capital PLC                                | Chelyabinsk Pipe Plant PJSC                          | EN+ Group International PJSC                 |
| Bank Otkritie Financial Corp PJSC/Tochka   | Cherkizovo Group PJSC                                | Enbridge Inc                                 |
| Bank Rossiya OAO                           | China Coal Energy Co Ltd                             | ENEL RUSSIA PJSC                             |
| Bank St Petersburg PJSC                    | China National Nuclear Corp.                         | Energospecmontazh                            |
| Bank ZENIT PJSC                            | China National Petroleum Corporation (CNPC)          | Energy Transfer Equity LP                    |
| Barrick (PD) Australia Finance Pty Ltd.    | China Shipbuilding Industry Co., Ltd.                | Energy Transfer Operating LP                 |
| Barrick Gold                               | China Traditional Chinese Medicine Holdings Co. Ltd. | European Eltech PJSC                         |
| Barrick Gold Finance Co.                   | Chrezvichainaia strahovaia co CHSK OAO               | Evraz Plc                                    |
| Barrick North America Finance LLC          | CNOOC Canada, Inc.                                   | Eximbank of Russia                           |
| Barrick TZ Ltd.                            |                                                      | Exxon Mobil Corporation                      |
| Bashneft PJSC                              |                                                      |                                              |



Far-Eastern Energy Co PJSC  
Far-Eastern Shipping Co PLC  
Federal Grid Co Unified Energy System PJSC  
First Pacific Company Limited  
Formosa Chemicals & Fibre Corp.  
Formosa Taffeta Co., Ltd.  
Freeport McMoRan  
Gaikskiy GOK OAO  
Gazkon PJSC  
Gazprom Gazoraspredelenie Syktyvkar AO  
Gazprom Neft PJSC  
Gazprom PJSC  
Gazprom PJSC Via Gaz Capital SA  
Gazprom PJSC via Gaz Finance PLC  
Gazprombank  
Gaz-service PJSC  
GAZ-Tek PJSC  
GCL New Energy Holdings Limited  
GCL Technology  
GCM Resources plc  
GenBank  
Genting Bhd  
Genting Plantations Berhad  
GEO Group  
Geotech Seismic Services PJSC  
Giprospetsgaz OAO  
Glencore  
Golden Agri-Resources Ltd  
Grand Pharmaceutical Group Ltd.  
Grupo Mexico SAB de CV  
Gruppa kompaniy kommunalnoy sfery PAO  
Gtlk Europe Capital DAC  
Halcyon Agri Corp Ltd  
HALS-Development PJSC  
Haoxiangni Health Food Co., Ltd.  
Harmony Gold Mining Co Ltd  
HIKVision  
Honeys Holding  
Hoshine Silicon Industry Co., Ltd.  
Hotel Kosmos OAO  
Huaihe Energy (Group) Co., Ltd.  
Human Stem Cells Institute PJSC  
IDGC of Centre and Volga Region PJSC  
IDGC of the North-West PJSC  
IDGC of Urals JSC  
Imperial Oil Ltd  
Indofood Agri Resources Ltd.  
Ingosstrakh Insurance Co  
INGRAD OOO  
Inner Mongolia Baotou Steel Union Co  
Inter RAO UES PJSC  
INVEST-DEVELOPMENT PJSC  
IOI Corporation Berhad  
IOI Investment Labuan Bhd.  
Irkutskenergo PJSC  
Izhorskiye Zavody PJSC  
Jastrzebska Spolka Weglowa SA  
JBS Finance II Ltd.  
JBS SA  
JBS USA Finance, Inc.  
JBS USA LLC  
JG Summit Holdings, Inc.  
Jiangsu Guotai International Group Co., Ltd.  
Jiangxi Copper Co Ltd  
Jinko Solar Co  
Jointown Pharmaceutical Group Co., Ltd.  
JSC Kalashnikov  
Kalugaputmarsh  
Kaluzsky Plant of Automobile Electrical  
Equipment OAO  
Kamaz PJSC  
Kamchatskenergo PJSC  
Khanty-Mansiyskdorstroy OAO  
KIBO Energy PLC  
Komi Energosbytovaya Co OAO  
Komitex JSC  
Korporatsiya Takticheskoe Raketnoe  
Vooruzhenie OAO  
Korporatsiya Takticheskoe Raketnoe  
Vooruzhenie OAO  
Korshynov Mining Plant PJSC  
Kovrovskiy Mekhanicheskii Zavod OAO  
Krasfarma OAO  
Krasnoyarskenergosbyt PJSC  
Krasnoyarsknefteproduct  
Krasnyj Ocyabr PJSC

Kriogenmash PAO  
KTK Group Co., Ltd.  
Kuban Trunk Grid  
KuibyshevAzot PJSC  
Kurganskaya Generiruyushchaya Kompaniya  
PAO  
Kuzbasskaya Toplivnaya Co JSC  
Lengazspecstroy OAO  
Lens Technology Co Ltd  
Lenzoloto PJSC  
Li Ning Company Limited  
LSR Group PJSC  
LUKOIL PJSC  
Luthai Textile Co Ltd  
Luxshare Precision Industry Co Ltd  
M.Video PJSC  
Magadanenergo PJSC  
Magnit PJSC  
Magnitogorsk Iron & Steel Works PJSC  
Marathon Petroleum Corp  
Mechel PJSC  
MegaFon PJSC  
Metafrax OAO  
Metallurgical Corporation of China  
Mikron JSC  
Minerva SA  
MMC Norilsk Nickel PJSC  
Mobile TeleSystems PJSC  
Moscow City Telephone Network PJSC  
Moscow Exchange MICEX-RTS PJSC  
Mosenergo PJSC  
Mostotrest PJSC  
Muhibbah Engineering (M) Bhd.  
Nauchno-Proizvodstvennoe Obedinenie S plav  
OAO  
NC Rosneft- Kubannefteproduct PJSC  
Nitel OAO  
Nizhegorodoblغاز OAO  
Nizhnekamskneftekhim PJSC  
Novatek PJSC  
Novikombank AO  
Novolipetsk Steel PJSC  
Novoroslesexport OAO  
Novorossiysk Commercial Sea Port PJSC  
Novorossiyskiy Kombinat Khleboproduktov  
PAO  
NTPC Ltd  
Obnyftegazgeologia OJSC  
OCP SA  
OFILM Group Co., Ltd.  
OGK-2 PJSC  
Oil & Natural Gas Corp  
ONGC Videsh Ltd.  
Oracle Power PLC  
Organicheskyy Sintez PJSC  
Otkritie Bank OJSC  
Ozon Holdings PLC  
Permenergosbyt PJSC  
PetroChina Company Limited  
Petroleum Trading Lao Public Co  
Petrovavlovsk PLC  
Pharmacy Chain 36.6 PJSC  
Phillips 66  
PhosAgro PJSC  
Pigment OJSC  
PIK Group PJSC  
PJSC SPC Energia  
Polymetal International Plc  
Polyus PJSC  
POSCO  
Posco International Corp  
Positive Group PJSC  
Power Construction Corporation of China  
Press Metal Aluminium Holdings Berhad  
Press Metal Bhd.  
Priargunskiy Industrial Mining and Chemical  
Union OAO  
Priisk Dambuki OAO  
Primorie Bank PJSC  
Proizvodstvennoye Ob Yedineniye Severnoye  
Mashinostroitel'noye Predpriyatiye AO  
Promsvyazbank  
PT Astra Agro Lestari Tbk  
PT Astra International Tbk  
PT Bakrie & Brothers Tbk  
PT Barito Pacific Tbk

PT Indofood Sukses Makmur Tbk  
PT Perusahaan Perkebunan London Sumatra  
Indonesia Tbk  
PT Salim Ivomas Pratama Tbk  
PT Sawit Sumbermas Sarana Tbk  
Quadra Power Generation PJSC  
Raspadskaya OAO  
Red Rock Resorts, Inc.  
Renaissance Insurance Group JSC  
Rio Zim Ltd.  
Rosgosstrakh PJSC  
Rosneft Oil Co PJSC  
Rosseti Centre PJSC  
Rosseti Kuban PJSC  
Rosseti Lenenergo PJSC  
Rosseti Moscow Region PJSC  
Rosseti North Caucasus PJSC  
ROSSETI PJSC  
Rosseti Siberia PJSC  
Rosseti South PJSC  
Rosseti Volga PJSC  
Rostec  
Rostec State Corp  
Rostelecom PJSC  
Rostovoblغاز PJSC  
Rushydro PJSC  
Rusolovo PJSC  
Ruspolimet OJSC  
Russia Federation  
Russian Agricultural Bank  
Russian Agricultural Bank OJSC Via RSHB  
Capital SA  
Russian Aquaculture PJSC  
Russian Direct Investment Fund  
Russian Railways JSC  
RussNeft PJSC  
Ryazan Energy Retail Co PJSC  
SAIC Motor Corp. Ltd  
Samaraenergo PJSC  
Samarco Mineracao SA  
Samolet Group  
Santos  
Saratovskiy Neftepererabatyvayushchiy Zavod  
PJSC  
Sasol Financing International Plc  
Sasol Financing USA LLC  
Sasol Ltd  
Sberbank of Russia PJSC  
Sberbank of Russia Via SB Capital SA  
Segezha Group PJSC  
Seligdar PJSC  
Severalmaz PAO  
Severstal PAO  
SFI PJSC  
Shein  
Sinotruk Hong Kong Ltd.  
Sistema PJSCF  
SJVN Lmt.  
SK Holdings Co  
SK Innovation Co Ltd  
Slavneft-Megionneftegaz PPO OAO  
Slavneft-Megionneftegazgeologia OAO  
Slavneft-Yaroslavnefteorgsintez OJSC  
SLC Agricola SA  
Sokolskiy Pulp & Paper  
Solikamsk Magnesium Plant OJSC  
Sollers PJSC  
South32  
Southern Copper  
South-Kuzbass GRES OAO  
Sovcombank PJSC  
Sovcomflot PJSC  
SPB Exchange PJSC  
Sredneural'skiy Medeplavilnyy Zavod OAO  
Surgutneftegas PJSC  
Sysmanzoloto OAO  
Ta Ann Holdings Bhd  
Taganrog Boiler-Making Works Krasny  
kotelshchik PJSC  
Tatneft PJSC  
Tattelecom PJSC  
TBEA  
TCS Group Holding PLC  
Texhong Textile Group Limited  
TGC-1 PJSC  
TGC-2 PJSC



TGK-14 PJSC  
Tingo Group  
TNS energo Nizhny Novgorod PJSC  
TNS energo Rostov-on-Don PJSC  
TNS Energo Voronezh PJSC  
TNS Energo Voronezh PJSC  
TNS energo Yaroslavl PJSC  
TNS Energos PJSC

Tong Ren Tang Technologies Co., Ltd.  
Tongling Nonferrous Metals Group  
Toyo Ventures Holdings Bhd.  
TransFin-M PAO  
Transkapitalbank  
Trina Solar  
Tulachermet PAO  
Tulamashzavod

Tulanefteprodukt PJSC  
Turquoise Hill Resources Ltd.  
Tutaev Motor Plant OAO  
Tverskoy Vagonostroitelny Zavod  
Uchalinskiy Gorno-Obogatitelny Kombinat  
OAO  
Udmurtneft OAO

## Excluded Investments – Good Governance

ABC-MART, INC.  
ACTIVE BIOTECH AB  
ARIAKE JAPAN Co., Ltd.  
Converge Technology Solutions Corp.  
Datang International Power Generation Co., Ltd.  
DONG SUH Companies Inc.  
DoubleUGames Co., Ltd.  
Everbright Securities Company Limited  
Evertz Technologies Limited

Ferrotec Holdings Corp.  
Fresnillo plc  
Fujicco Co., Ltd.  
Huadian Power International Corporation Limited  
Monarch Casino & Resort, Inc.  
NB Bancorp, Inc.  
New China Life Insurance Company Ltd.  
Ningbo Deye Technology Co., Ltd.  
Rorze Corp.

SD Biosensor, Inc.  
SmartFinancial, Inc.  
STEICO SE  
Toei Animation Co., Ltd.  
TowneBank  
Traction AB  
Urban One, Inc.  
Wacker Neuson SE  
Xinyi Glass Holdings Ltd  
Zhaojin Mining Industry Co., Ltd

## Excluded Investments – Country Assessments

Afghanistan  
Equatorial Guinea  
Niger  
Bangladesh  
Eritrea  
North Korea  
Belarus  
Guinea  
Russia

Burundi  
Haiti  
Somalia  
Cambodia  
Iran  
South Sudan  
Central African Republic  
Liberia  
Sudan

Chad  
Libya  
Syria  
Cuba  
Madagascar  
Turkmenistan  
Democratic Republic of Congo  
Myanmar  
Yemen

## Extended Enhanced Sustainability Standards

Exclusions under the Extended Enhanced Sustainability Standards screening are applied to selected investment products made available to investors with limited risk appetite in relation to incidents and events associated with certain sustainability themes and/or which otherwise might have an interest in not investing into companies captured by these exclusions.

### Excluded Investments

Babcock International Group Plc  
BCA Customer Finance, Inc.  
Boeing Capital Corp.  
BWX Technologies, Inc.  
CAE Inc.  
China Evergrande Group  
China Northern Rare Earth (Group) High-Tech Co Ltd  
ConocoPhillips  
Evergrande Property Services Group Ltd.

Evergreen Marine Corp Taiwan Ltd  
Export-Import Bank of India  
Hexo Corp  
Huntington Ingalls Industries, Inc.  
Jacobs Solutions, Inc.  
Jinko Solar Holding Co Ltd  
Korea Line Corp  
Leidos Holdings, Inc.  
Leidos, INC  
PDD Holdings Inc.

Sasol Ltd  
Shikun & Binui  
Texwinca Holdings Co  
The Boeing Company  
Tri-State Generation and Transmission Association Inc  
Vale SA  
Zuari Agro Chemical



## Peat-fired Power Generation

Peat is organic fuel consisting of spongy material formed by the partial decomposition of organic matter, primarily plant material, in wetlands. Criteria for the exclusion are defined in the [Exclusion Instruction](#).

### Excluded Investment

Neova Oy

## Tar Sands

Tar sands, also known as oil sands, heavy oil, crude bitumen, or more technically bituminous sands, are a type of unconventional petroleum deposit. Tar sands are either loose sands or partially consolidated sandstone containing a naturally occurring mixture of sand, clay, and water, saturated with a dense and extremely viscous form of petroleum technically referred to as bitumen [or colloquially as tar due to its superficially similar appearance]. Criteria for the exclusion are defined in the [Exclusion Instruction](#).

### Excluded Investments

Athabasca Oil Corporation  
Baytex Energy (LP) Ltd.  
Baytex Energy Corp.  
BlackPearl Resources, Inc.  
Canadian Natural Resources Limited  
Cenovus Energy Inc.  
Cerro Negro Finance Ltd.  
CK Hutchison Capital Securities (17) Ltd.  
CK Hutchison Capital Securities (Europe) Ltd.  
CK Hutchison Europe Finance (18) Ltd.  
CK Hutchison Europe Finance (21) Ltd.  
CK Hutchison Finance (16) (II) Ltd.  
CK Hutchison Finance (16) Ltd.  
CK Hutchison Group Telecom Finance SA  
CK Hutchison Holdings Limited  
CK Hutchison International (16) Ltd.  
CK Hutchison International (17) II Ltd.  
CK Hutchison International (17) Ltd.  
CK Hutchison International (19) (II) Ltd.  
CK Hutchison International (19) Ltd.

CK Hutchison International (20) Ltd.  
CK Hutchison International (21) Ltd.  
Ecopetrol SA  
Freehold Royalties Ltd.  
Harvest Operations Corp.  
Hutchison Whampoa Europe Finance (12) Ltd.  
Hutchison Whampoa Europe Finance (13) Ltd.  
Hutchison Whampoa Finance (03/13) Ltd.  
Hutchison Whampoa Finance (05) Ltd.  
Hutchison Whampoa Finance (06) Ltd.  
Hutchison Whampoa Finance (09) Ltd.  
Hutchison Whampoa Finance (14) Ltd.  
Hutchison Whampoa Finance (CI) Ltd.  
Hutchison Whampoa Finance UK Plc  
Hutchison Whampoa International (03/33) Ltd.  
Hutchison Whampoa International (09) Ltd.  
Hutchison Whampoa International (09/16) Ltd.

Hutchison Whampoa International (09/19) Ltd.  
Hutchison Whampoa International (10) Ltd.  
Hutchison Whampoa International (11) Ltd.  
Hutchison Whampoa International (12) Ltd.  
Hutchison Whampoa International (14) Ltd.  
Hutchison Whampoa International 12 II Ltd.  
Imperial Oil Limited  
MEG Energy Corp.  
North West Redwater Partnership, Inc.  
PC Financial Partnership  
Pengrowth Energy Corporation  
Petroleos de Venezuela SA  
Sonoro Energy Ltd.  
Strata Power Corp.  
Strathcona Resources Ltd.  
Suncor Energy Inc.  
Sunshine Oilsands Ltd.

## Thermal Coal

Thermal coal designates coal used by power plants and industrial steam boilers to produce electricity or process steam. Criteria for the exclusion are defined in the [Exclusion Instruction](#).

### Excluded Investments

Aboitiz Equity Ventures, Inc.  
Aboitiz Power Corp.  
Abu Dhabi National Energy Co. PJSC  
Adani Electricity Mumbai Ltd.  
Adani Enterprises Limited  
Adani Power Limited  
AES Andes SA  
AES Argentina Generacion SA  
AES El Salvador Trust II  
AES Espana BV  
African Rainbow Minerals Ltd.  
AGL Energy Limited  
Agritrade Resources Limited  
Aksa Enerji Uretim AS  
Alabama Power Company  
Albioma SA  
ALLETE, Inc.  
Alliance Holdings GP LP  
Alliance Resource Operating Partners LP  
Alliance Resource Partners LP  
Alliant Energy Corporation  
Altius Minerals Corporation  
Ameren Corporation  
American Electric Power Company, Inc.  
Anhui Hengyuan Coal Industry & Electricity Power Co., Ltd.  
Appalachian Power Co.  
Arch Resources, Inc.  
Arizona Public Service Co.  
Atlantic Power Corporation

Avista Corporation  
Banpu Power Public Co. Ltd.  
Banpu Public Company Limited  
Bathurst Resources Limited  
Beijing Energy Investment Holdings Ltd.  
Beijing Haohua Energy Resource Co., Ltd.  
Beijing Jingneng Power Co., Ltd.  
Berkshire Hathaway Energy Co.  
Bisichi Plc  
Black Hills Corporation  
Brickworks Limited  
Bulgarian Energy Holding EAD  
Bumi Investment Pte Ltd.  
Can2 Termik AS  
Capital Power Corporation  
CenterPoint Energy, Inc.  
CESC Limited  
CEZ as  
China Coal Energy Company Limited  
China Coal Xinji Energy Co., Ltd.  
China Huadian Corp., Ltd.  
China Huadian Overseas Development 2018 Ltd.  
China Huadian Overseas Development Management Co., Ltd.  
China Huaneng Group Co., Ltd.  
China Longyuan Power Group Corp. Ltd.  
China Power International Development Limited  
China Qinfa Group Limited

China Resources Power Holdings Co., Ltd.  
China Shenhua Energy Company Limited  
China Shenhua Overseas Capital Co., Ltd.  
Chubu Electric Power Co., Inc.  
Cleco Corporate Holdings LLC  
Cloud Peak Energy Inc.  
Cloud Peak Energy Resources LLC  
CLP Holdings Limited  
CMS Energy Corporation  
Coal Energy SA  
Coal India Ltd.  
Colbun SA  
Consumers Energy Company  
ContourGlobal Ltd.  
ContourGlobal Power Holdings SA  
Core Natural Resources, Inc.  
Coronado Finance Pty Ltd.  
Coronado Global Resources Inc.  
Datang International Power Generation Co., Ltd.  
Deneb Investments Ltd.  
DMCI Holdings, Inc.  
Dominion Energy, Inc.  
Dominion Resources Capital Trust I  
Dominion Resources Capital Trust III  
DTE Electric Co.  
DTE Energy Company  
Duke Energy Carolinas LLC  
Duke Energy Corporation  
Duke Energy Florida LLC



Duke Energy Florida Project Finance LLC  
Duke Energy Ohio, Inc.  
Dynergy Finance I, Inc.  
Electric Power Development Co., Ltd.  
Electricity Generating Public Company Limited  
Elion Energy Co., Ltd.  
Emera Incorporated  
Emera US Finance LP  
Empresa Electrica Angamos SA  
ENEA SA  
Energia Finance AB  
Energia SA  
Energeticky a prumyslovny holding as  
Engie Energia Chile SA  
Engro Corporation Limited  
Entergy Arkansas LLC  
Entergy Utility Affiliates LLC  
Entergy Utility Property, Inc.  
EP Energy as  
EP Infrastructure as  
EPH Financing International as  
Eskom Holdings SOC Ltd.  
Eterna Capital Pte Ltd.  
Every Kansas Central, Inc.  
Every, Inc.  
EWE AG  
Exxaro Resources Ltd.  
Feishang Anthracite Resources Limited  
First Pacific Company Limited  
FirstEnergy Corp.  
Foresight Energy LLC  
Foresight Energy LP  
Fujian Funeng Co., Ltd.  
Gansu Energy Chemical Co., Ltd.  
GD Power Development Co., Ltd.  
Genesis Energy Limited  
Geo Energy Resources Limited  
Georgia Power Co.  
Glencore Capital Finance DAC  
Glencore Finance [Canada] Ltd.  
Glencore Finance [Europe] Ltd.  
Glencore Funding LLC  
Glencore plc  
Global Power Synergy Public Company Limited  
Glow Energy Public Company Limited  
GMR Power & Urban Infra Ltd.  
Golden Energy and Resources Limited  
GS Holdings Corp.  
Guangdong Baoliuhua New Energy Stock Co., Ltd.  
Guangdong Electric Power Development Co., Ltd.  
Guangdong Investment Limited  
Guanghui Energy Co., Ltd.  
Guangxi Guiguan Electric Power Co., Ltd.  
Guangzhou Development Group, Inc.  
Guizhou Panjiang Refined Coal Co., Ltd.  
Gujarat Mineral Development Corporation Limited  
Hallador Energy Company  
Hero Asia Investment Ltd.  
Hidili Industry International Development Limited  
HK Electric Investments & HK Electric Investments Ltd.  
Hokkaido Electric Power Co., Inc.  
Hokuriku Electric Power Co.  
Hopewell Holdings Ltd.  
Hosken Consolidated Investments Ltd.  
Huadian Energy Co., Ltd.  
Huadian Power International Corporation Limited  
Huaibei Mining Holdings Co., Ltd.  
Huaneng Hong Kong Capital Ltd.  
Huaneng Power International, Inc.  
Hubei Energy Group Co., Ltd.  
IDACORP, Inc.  
IE2 Holdco SAU  
Indiana Michigan Power Co.  
Indika Energy Capital III Pte Ltd.  
Indo Energy Finance BV  
Indo Energy Finance II BV  
Indo Integrated Energy II BV  
Inner Mongolia Dian Tou Energy Corp. Ltd.  
Inner Mongolia Junzheng Energy & Chemical Group Co., Ltd.

Inner Mongolia Mengdian Huaneng Thermal Power Corp. Ltd.  
Inner Mongolia Yitai Coal Co., Ltd.  
Inner Mongolia Yuan Xing Energy Co., Ltd.  
Inter RAO UES PJSC  
InterGen NV  
Interstate Power & Light Co.  
IPALCO Enterprises, Inc.  
Irkutskenergo JSC  
Israel Electric Corp. Ltd.  
ITOCHU ENEX CO., LTD.  
Izdemir Enerji Elektrik Uretim AS  
Izmir Demir Celik Sanayi AS  
Jaiprakash Power Ventures Limited  
JAKS Resources Berhad  
Jardine Cycle & Carriage Limited  
Jastrzebska Spolka Weglowa SA  
Jiangsu Guoxin Corp. Ltd.  
Jinneng Holding Shanxi Coal Industry Co., Ltd.  
Jinneng Holding Shanxi Electric Power Co., Ltd.  
Jizhong Energy Resources Co., Ltd.  
Jointo Energy Investment Co., Ltd. Hebei  
JSW Energy Limited  
Kinetic Development Group Limited  
Kobe Steel, Ltd.  
Korea East-West Power Co., Ltd.  
Korea Electric Power Corp.  
KSK Power Venture Plc  
Kuzbasskaya Toplivnaya Kompaniya PJSC  
KyungDong Invest Co., Ltd.  
Kyushu Electric Power Co., Inc.  
LG&E & KU Energy LLC  
Listrindo Capital BV  
Louisville Gas & Electric Co.  
Lubelski Wegiel BOGDANKA SA  
Lucky Cement Ltd.  
LX International Corp.  
Majapahit Holding BV  
Malakoff Corporation Berhad  
Manila Electric Co.  
MC Mining Limited  
MDU Resources Group, Inc.  
Mechel PAO  
Metro Pacific Investments Corporation  
MGE Energy, Inc.  
MidAmerican Energy Co.  
MidAmerican Funding LLC  
Mississippi Power Co.  
Mitsui Matsushima Holdings Co., Ltd.  
Monongahela Power Co.  
Murray Energy Corporation  
NACCO Industries, Inc.  
Natural Resource Partners LP  
Nava Limited  
New Hope Corporation Limited  
NiSource Inc.  
NLC India Ltd.  
Northern Electric Finance Plc  
Northern States Power Co.  
NorthWestern Energy Group, Inc.  
NTPC Limited  
Odas Elektrik Uretim Sanayi Ticaret AS  
OGE Energy Corp.  
Oglethorpe Power Corp.  
Oklahoma Gas & Electric Co.  
Old ANR LLC  
Origin Energy Finance Ltd.  
Origin Energy Limited  
Otter Tail Corporation  
PacifiCorp  
Park Elektrik Uretim Madencilik Sanayi ve Ticaret AS  
Peabody Energy Australia PCI Pty Ltd.  
Peabody Energy Corporation  
Petmin Ltd.  
Petrovietnam Power Corp.  
PGE Polska Grupa Energetyczna SA  
PGE Sweden AB  
Pingdingshan Tianan Coal Mining Co., Ltd.  
Pinnacle West Capital Corporation  
Portland General Electric Company  
Power Assets Holdings Limited  
PPL Capital Funding, Inc.  
PPL Corporation  
PT ABM Investama Tbk  
PT Adaro Indonesia

PT Alamtri Resources Indonesia Tbk  
PT Alfa Energi Investama Tbk  
PT Astra International Tbk  
PT Bayan Resources Tbk  
PT Berau Coal Energy  
PT Bukit Asam Tbk  
PT Bumi Resources Tbk  
PT Cikarang Listrindo Tbk  
PT Dian Swastatika Sentosa Tbk  
PT Golden Eagle Energy TBK  
PT Golden Energy Mines Tbk  
PT Harum Energy Tbk  
PT Indika Energy Tbk  
PT Indo Tambangraya Megah Tbk  
PT MNC Asia Holding Tbk  
PT Perusahaan Listrik Negara (Persero)  
PT Petrindo Jaya Kreasi Tbk  
PT Timah Tbk  
PT Trada Alam Minera Tbk  
PT United Tractors Tbk  
Public Power Corp. Finance Plc  
Public Power Corp. SA  
Public Service Company of Colorado  
Public Service Company of New Mexico  
Puget Energy, Inc.  
Puget Sound Energy, Inc.  
RATCH Group Public Co., Ltd.  
RattanIndia Power Limited  
Refrigeration Electrical Engineering Corp.  
Reliance Infrastructure Limited  
Reliance Power Limited  
Rhino Resource Partners LP  
RWE AG  
RWE Finance US LLC  
Sadovaya Group  
Sakari Resources Ltd.  
Salungano Group Ltd.  
Samruk-Energy JSC  
San Miguel Corporation  
San Miguel Global Power Holdings Corp.  
Sarda Energy & Minerals Limited  
SCANA Corp.  
SDIC Power Holdings Co., Ltd.  
Semirara Mining & Power Corp.  
SGC Energy Co., Ltd.  
Shaanxi Coal Industry Co., Ltd.  
Shaanxi Energy Investment Co., Ltd.  
Shan Xi Hua Yang Group New Energy Co. Ltd.  
Shandong Energy Group Co., Ltd.  
Shanghai Datun Energy Resources Co., Ltd.  
Shanghai Electric Power Co., Ltd.  
Shanxi Coal International Energy Group Co., Ltd.  
Shanxi Coking Coal Energy Group Co., Ltd.  
Shanxi Lanhua Sci-Tech Venture Co., Ltd.  
Shanxi Lu'An Environmental Energy Development Co., Ltd.  
Shenergy Co., Ltd.  
Shenzhen Energy Group Co., Ltd.  
Shikoku Electric Power Co., Inc.  
Sierra Pacific Power Co.  
Southern Kuzbass Coal Co. PJSC  
Southwestern Electric Power Co.  
Southwestern Public Service Co.  
SPIC 2016 US Dollar Bond Co. Ltd.  
SPIC 2018 USD Senior Perpetual Bond Co. Ltd.  
SPIC Industry-Finance Holdings Co., Ltd.  
SPIC Luxembourg Latin America Renewable Energy Investment Co.  
State Power Investment Corp., Ltd.  
STEAG GmbH  
Stronghold Digital Mining, Inc.  
Sunpower Group Ltd.  
Talen Energy Corporation  
Talen Energy Supply LLC  
Tauron Polska Energia SA  
TBEA Co., Ltd.  
TCC Group Holdings CO., LTD.  
Tenaga Nasional Berhad  
Tennessee Valley Authority  
TerraCom Limited  
The AES Corporation  
The Chugoku Electric Power Co., Inc.  
The Hub Power Co. Ltd.  
The Kansai Electric Power Co., Inc.  
The Lanna Resources Public Co., Ltd.



The Okinawa Electric Power Co., Inc.  
The Second Generation Co. of the Wholesale  
Power Market PJSC  
The Southern Company  
The Tata Power Company Limited  
Thungela Resources Ltd.  
TNB Global Ventures Capital Bhd.  
Tohoku Electric Power Co., Inc.  
Tokyo Electric Power Co. Holdings, Inc.  
Top Frontier Investment Holdings, Inc.  
Torrent Power Limited  
TPI Polene Power Public Co., Ltd.  
TPI Polene Public Co. Ltd.  
TransAlta Corporation  
Tucson Electric Power Co.  
TXNM Energy, Inc.

Union Electric Co.  
Unipro PJSC  
Vectren Corp.  
Viesgo Infraestructuras Energeticas SL  
Vimetco NV  
Virginia Electric & Power Co.  
Vistra Corp.  
Vistra Operations Co. LLC  
Washington H. Soul Pattinson and Company  
Limited  
WEC Energy Group, Inc.  
Westmoreland Coal Co.  
Westmoreland Resource Partners LP  
WHA Utilities and Power Public Company  
Limited  
Whitehaven Coal Limited

Wintime Energy Group Co., Ltd.  
Wisconsin Electric Power Company  
Wisconsin Power & Light Co.  
Wisconsin Public Service Corp.  
Wollongong Coal Limited  
Xcel Energy Inc.  
Xinjiang Guanghui Industry Investment (Group)  
Co., Ltd.  
Yancoal Australia Ltd.  
Yancoal International Resources Development  
Co., Ltd.  
Yankuang Energy Group Co., Ltd.  
Yankuang Group (Cayman) Ltd.  
Zhejiang Zheneng Electric Power Co., Ltd.  
Zhengzhou Coal Industry & Electric Power Co.,  
Ltd.

## Controversial Weapons

In accordance with the Exclusion Instruction, weapons are considered controversial when their production and use are assessed to be in conflict with the prohibitions set out in international conventions. Further criteria for the exclusion are defined in the [Exclusion Instruction](#).

### Excluded Investments

Aerospace Long-March International Trade  
Co., Ltd.  
Anhui GreatWall Military Industry Co., Ltd.  
Anhui Military Industry Group Holding Co. Ltd.  
Arab Organization for Industrialization  
Aryt Industries Ltd.  
Ashoka Manufacturing Ltd  
Atomic Energy Power Corp.  
Avibras Industria Aeroespacial SA  
Bharat Dynamics Limited  
China Aerospace Science & Industry Corp. Ltd.  
China Aerospace Science & Technology Corp.  
China National Nuclear Corp.  
China North Industries Corp.  
China North Industries Group Corp. Ltd.  
China Nuclear Engineering & Construction  
Corp. Ltd.

China Poly Group Corp. Ltd.  
China Shipbuilding Industry Co., Ltd.  
Defence Industries Organization  
JBJ Technologies Ltd.  
JMV LPS Ltd.  
KSB Limited  
KSB SE & Co. KGaA  
Larsen & Toubro Limited  
LIG Corp.  
LIG Nex1 Co., Ltd.  
Lockheed Martin Corporation  
MTAR Technologies Ltd.  
Ordtch Military Industries  
Pakistan Ordnance Factories  
Poongsan Corp.  
POONGSAN HOLDINGS Corp.  
Premier Explosives Ltd.

Reshef Technologies Ltd.  
Rostec Corp.  
Sandhar Technologies Limited  
SNT DYNAMICS Co., Ltd.  
SNT Holdings Co., Ltd.  
Solar Defence & Aerospace Ltd.  
Solar Industries India Limited  
Special Machine Building & Metallurgy PJSC  
State-Owned Foreign Trade Unitary Enterprise  
Belspetsvneshtech  
Synthetic Moulders Ltd.  
The Day & Zimmermann Group, Inc.  
Walchandnagar Industries Ltd.  
Zen Technologies Ltd.

## Tobacco

Tobacco products are products made entirely or partly of leaf tobacco as raw material, which are intended to be smoked, sucked, chewed or snuffed. Tobacco products are also electronic cigarettes and other 'Next-Generation Products'. Criteria for the exclusion are defined in the [Exclusion Instruction](#).

### Excluded Investments

22nd Century Group, Inc.  
A-1 Group, Inc.  
Al-Eqbal Co. for Investment Plc  
Altadis Emisiones Financieras SA  
Altadis SA  
Altria Group, Inc.  
American Heritage International, Inc.  
AMVIG Holdings Ltd.  
Arcis Resources Corp.  
Asberry 22 Holdings, Inc.  
Asenovgrad Tabac AD  
B.A.T Capital Corp.  
B.A.T. Finance BV  
B.A.T. International Finance Plc  
B.A.T. Netherlands Finance BV  
BADECO ADRIA dd  
BAT Brasil  
British American Tobacco Argentina SAICY F  
British American Tobacco Australlasia Ltd.  
British American Tobacco Bangladesh  
Company Limited  
British American Tobacco Chile Operaciones  
SA  
British American Tobacco Co. Ltd.  
British American Tobacco Holdings (The  
Netherlands) BV  
British American Tobacco Italia SpA  
British American Tobacco Kenya Plc

British American Tobacco Malaysia Bhd.  
British American Tobacco Peru Holdings Ltd.  
British American Tobacco plc  
British American Tobacco Uganda Ltd.  
British American Tobacco Yava Jsc  
British American Tobacco Zambia PLC  
British American Tobacco Zimbabwe Ltd.  
Bulgartabac Holding AD  
Carreras Ltd.  
Cat Loi JSC  
Ceylon Tobacco Company Plc  
Charlie's Holdings, Inc.  
China Boton Group Company Limited  
China Tobacco International (HK) Company  
Limited  
Coka Duvanska Industrija AD  
Consolidated Cigar Holdings, Inc.  
CTO Co. Ltd.  
Dupnitsa-Tabak AD  
Duvanska Industrija AD Bujanovac  
Duvanski Kombinat ad Podgorica  
Eastern Co. (Egypt)  
Elentec Co., Ltd.  
Gemini Group Global Corp.  
Gilla, Inc.  
Godfrey Phillips India Ltd.  
Golden Tobacco Ltd.  
Greenlane Holdings, Inc.

Guangdong DFP New Material Group Co., Ltd.  
Guangdong New Grand Long Packing Co., Ltd.  
Harrys Manufacturing Inc.  
Hrvatski Duhani dd  
Huabao International Holdings Limited  
Icon Vapor, Inc.  
IMA T&T SpA  
Imperial Brands Finance Netherlands BV  
Imperial Brands Finance Plc  
Imperial Brands PLC  
Inspire Technology, Inc.  
ITC Limited  
Japan Tobacco, Inc.  
Jerusalem Cigarette Co. Ltd.  
JT International Financial Services BV  
Karelia Tobacco Co., Inc.  
Khyber Tobacco Co. Ltd.  
Kimree, Inc.  
KT&G Corp.  
Litu Holdings Limited  
Lorillard LLC  
LT Group, Inc.  
Ngan Son JSC  
Nikotiana BT Holding AD  
North Atlantic Trading Co., Inc.  
NTC Industries Ltd.  
Pakistan Tobacco Co. Ltd.  
Pazardzhik BTM AD



Philip Morris (Pakistan) Ltd.  
Philip Morris CR as  
Philip Morris International Inc.  
Philip Morris Operations AD  
Press Corporation Plc  
PT Bentoel International Investama Tbk  
PT Gudang Garam Tbk  
PT Hanjaya Mandala Sampoerna Tbk  
PT Indonesian Tobacco Tbk  
PT Wismilak Inti Makmur Tbk  
Pyxus International, Inc.  
R.J. Reynolds Tobacco Holdings, Inc.  
Reynolds American, Inc.  
RLX Technology, Inc.  
Scandinavian Tobacco Group A/S

Shaanxi Jinye Science Technology & Education Group Co., Ltd.  
Shanghai Industrial Holdings Limited  
Shanghai Shunho New Materials Technology Co., Ltd.  
Shenzhen Jinjia Group Co., Ltd.  
Shenzhen Yinghe Technology Co., Ltd.  
Shumen Tabac AD  
Sila Holding AD  
Sinnar Bidi Udyog Ltd.  
SITAB  
Slantse Stara Zagora Tabac AD  
Smoores International Holdings Limited  
Societe Nationale d'exploitation Industrielle des Tabacs

Strumica Tabak AD  
Swedish Match AB  
Tanzania Cigarette Co. Ltd.  
TSL Ltd.  
Turning Point Brands, Inc.  
Tutunski Kombinat AD Prilep  
Union Investment Corp.  
Union Tobacco & Cigarette Industries Co.  
Universal Corporation  
Vector Group Ltd.  
VPR Brands LP  
VST Industries Limited  
Wee-Cig International Corp.  
West Indian Tobacco Co. Ltd.

## Pornography

Adult Entertainment/ Pornography refers to explicit images of sexual behavior that are intended to cause sexual excitement. This includes products labelled 'erotica', 'porn' or 'adult entertainment'. Criteria for the exclusion are defined in the [Exclusion Instruction](#).

### Excluded Investments

Attica Publications SA  
DNXcorp SE  
Erotik-Abwicklungsgesellschaft AG  
FriendFinder Networks, Inc.

Metro Global Media, Inc.  
New Frontier Media, Inc.  
PLBY Group, Inc.  
Private Media Group, Inc.

RCI Hospitality Holdings, Inc.  
Scores Holding Co., Inc.  
tmc Content Group AG

## SPU

SPU refers to the exclusion list maintained by Norges Bank Investment Management/Statens Pensjon Utland which are replicated for the Danske Bank exclusions.

### Excluded Investments

Aboitiz Power Corp  
Adani Ports and Special Economic Zone Ltd  
AES Andes SA  
AES Corp/The  
AGL Energy Ltd  
Airbus SE  
ALLETE Inc  
Alliant Energy Corp  
Altria Group Inc  
Ameren Corp  
American Electric Power Co Inc  
Ashtrom Group Ltd  
Astra International Tbk PT  
Aurora Cannabis Inc  
AviChina Industry & Technology Co Ltd  
BAE Systems Plc  
Barrick Gold Corp  
Beijing Tong Ren Tang Chinese Medicine Co Ltd  
Bezeq The Israeli Telecommunication Corp. Ltd.  
Bharat Electronics Ltd  
Bharat Heavy Electricals Ltd  
Boeing Co/The  
British American Tobacco Malaysia Bhd  
British American Tobacco Plc  
BWX Technologies Inc  
Canadian Natural Resources Ltd  
Canopy Growth Corp  
Cenovus Energy Inc  
Centrais Eletricas Brasileiras SA  
CESC Ltd  
CEZ AS  
China Coal Energy Co Ltd  
China Power International Development Ltd  
China Resources Power Holdings Co Ltd  
China Shenhua Energy Co Ltd  
China State Construction Engineering Corp Ltd  
China Traditional Chinese Medicine Holdings Co Ltd  
Chugoku Electric Power Co Inc/The  
CLP Holdings Ltd  
Coal India Ltd  
Cognite Software Ltd

CONSOL Energy Inc  
Cronos Group Inc  
Danya Cebus Ltd  
Datang International Power Generation Co Ltd  
Delek Group Ltd  
DMCI Holdings Inc  
DTE Energy Co  
Duke Energy Corp  
Eastern Co SAE  
Elbit Systems Ltd  
Elco Ltd  
Electra Ltd/Israel  
Electric Power Development Co Ltd  
Electricity Generating PCL  
ElSewedy Electric Co  
Emera Inc  
Engie Energia Chile SA  
Evergreen Marine Corp Taiwan Ltd  
Everbay Inc  
Evraz PLC  
Exxaro Resources Ltd  
FirstEnergy Corp  
Fluor Corp  
Formosa Chemicals & Fibre Corp  
Formosa Taffeta Co Ltd  
Freeport-McMoRan Inc  
GAIL India Ltd  
General Dynamics Corp  
Genting Bhd  
Glencore PLC  
GMK Norilskiy Nickel PAO  
Grand Pharmaceutical Group Ltd  
Great River Energy  
Guangdong Electric Power Development Co Ltd  
Gudang Garam Tbk pt  
Gujarat Mineral Development Corp Ltd  
Halcyon Agri Corp Ltd  
Hanjaya Mandala Sampoerna Tbk PT  
HK Electric Investments & HK Electric Investments Ltd  
Hokkaido Electric Power Co Inc  
Hokuriku Electric Power Co  
Honeys Holdings Co Ltd

Honeywell International Inc  
Huabao International Holdings Ltd  
Huadian Energy Co Ltd  
Huadian Power International Corp Ltd  
Huaneng Power International Inc  
Huntington Ingalls Industries Inc  
IDACORP Inc  
Imperial Brands Plc  
Imperial Oil Ltd  
Inner Mongolia Yitai Coal Co Ltd  
ITC Ltd  
Jacobs Solutions Inc  
Japan Tobacco Inc  
Jardine Cycle & Carriage Ltd  
Jardine Matheson Holdings Ltd  
JBS S/A  
Korea Electric Power Corp  
Korea Gas Corp  
Korea Line Corp  
KT&G Corp  
L3Harris Technologies Inc  
Larsen & Toubro Ltd  
Li Ning Co Ltd  
Lockheed Martin Corp  
Lu Thai Textile Co Ltd  
Lubelski Wegiel Bogdanka SA  
Malakoff Corp Bhd  
MGE Energy Inc  
Mivne Real Estate KD Ltd  
New Hope Corp Ltd  
NHPC Ltd  
Northrop Grumman Corp  
NRG Energy Inc  
NTPC Ltd  
Oil & Natural Gas Corp Ltd  
Okinawa Electric Power Co Inc/The  
Otter Tail Corp  
PacifiCorp  
Page Industries Ltd  
Peabody Energy Corp  
PGE Polska Grupa Energetyczna SA  
Philip Morris Cr AS  
Philip Morris International Inc  
Poongsan Corp



POSCO Holdings Inc  
Posco International Corp  
Power Construction Corp of China Ltd  
Prosegur Cia de Seguridad SA  
PTT Oil & Retail Business PCL  
PTT PCL  
Reliance Infrastructure Ltd  
Reliance Power Ltd  
RLX Technology Inc  
RWE AG  
Safran SA  
Sasol Ltd  
Scandinavian Tobacco Group A/S  
SDIC Power Holdings Co Ltd  
Shanghai Industrial Holdings Ltd  
Shapir Engineering and Industry Ltd

Shikoku Electric Power Co Inc  
Shikun & Binui Ltd  
Suncor Energy Inc  
Ta Ann Holdings Bhd  
Tata Power Co Ltd/The  
Tenaga Nasional Bhd  
Textron Inc  
Tianjin Pharmaceutical Da Re Tang Group Corp Ltd  
Tilray Brands Inc  
Tong Ren Tang Technologies Co Ltd  
Tri-State Generation and Transmission Association Inc  
Turning Point Brands Inc  
Universal Corp/VA  
Vale SA

Vector Group Ltd  
Vedanta Ltd  
Volcan Cia Minera SAA  
Washington H Soul Pattinson & Co Ltd  
WEC Energy Group Inc  
Weichai Power Co Ltd  
Whitehaven Coal Ltd  
WTK Holdings Bhd  
Xcel Energy Inc  
Yankuang Energy Group Co Ltd  
Young Poong Corp  
Yunnan Baiyao Group Co Ltd  
Zijin Mining Group Co Ltd  
ZTE Corp  
Zuari Agro Chemicals Ltd

## Alcohol

Alcohol refers to alcoholic beverages with alcohol volume higher than 2.25%. Alcohol is a psychoactive drug that is the active ingredient in drinks such as beer, wine, and distilled spirits. Criteria for the exclusion are further defined in the [Exclusion Instruction](#).

### Excluded Investments

"Bihacka pivovara" d.d. Bihac  
Abrau-Durso PJSC  
Adnams Plc  
AdVini SA  
African Distillers Ltd.  
Aktienbrauerei Kaufbeuren AG  
Allgaeuer Brauhaus AG  
Allied Domecq Ltd.  
Amber Latvijas Balzams JSC  
Ambev SA  
Ambra SA  
Anadolu Efes Biracilik ve Malt Sanayii A.S.  
Andrew Peller Limited  
Angostura Holdings Ltd.  
Anheuser-Busch Cos. LLC  
Anheuser-Busch Inbev Finance, Inc.  
Anheuser-Busch InBev SA/NV  
Anheuser-Busch InBev Worldwide, Inc.  
Anheuser-Busch North American Holding Corp.  
Anhui Golden Seed Winery Co., Ltd.  
Anhui Gujing Distillery Co., Ltd.  
Anhui Kouzi Distillery Co., Ltd.  
Anhui Yingjia Distillery Co., Ltd.  
Anora Group Oyj  
Aristocrat Group Corp.  
Asahi Group Holdings Ltd.  
Associated Alcohols & Breweries Ltd.  
Australian Vintage Ltd.  
Bacardi & Co. Ltd.  
Bacardi Ltd.  
Badel 1862 dd  
Banjalucka Pivara AD  
Barkan Vineyards Ltd.  
Baron de Ley SA  
Beam Suntory, Inc.  
Beckle, S.A.B. de C.V.  
Beeline Holdings, Inc.  
Beijing Shunxin Agriculture Co., Ltd.  
Beijing Yanjing Brewery Co., Ltd.  
Berentzen-Gruppe AG  
Bermas SA  
BHB Brauholding Bayern-Mitte AG  
Big Rock Brewery Inc.  
Bodegas Bilbainas SA  
Bodegas Esmeralda SA  
Bodegas Riojanas SA  
BOHAE BREWERY Co., Ltd.  
Boissons du Cameroun SA  
Brasseries et Limonaderies du Rwanda SA  
Browar Czarnkow SA  
Brown-Forman Corporation  
Budweiser Brewing Company APAC Limited  
C&C Group Plc  
C.A. Ron Santa Teresa  
Capevin Holdings Ltd.  
Carlsberg A/S

Carlsberg Breweries A/S  
Carlsberg Brewery Malaysia Berhad  
Carlsberg Ukraine PJSC  
Castle Brands, Inc.  
CEDC Finance Corp. International, Inc.  
Cerveceria Nacional  
Cerveceria Nacional Dominicana SA  
Cerveceria San Juan SA  
Ceylon Beverage Holdings PLC  
Champion Breweries Plc  
Chapel Down Group Plc  
China New Borun Corp.  
China Ouhua Winery Holdings Limited  
China Resources Beer (Holdings) Co. Ltd.  
China Tontine Wines Group Limited  
Chongqing Brewery Co., Ltd.  
Cia Vinicola del Norte de Espana SA  
CITIC Niya Wine Co., Ltd.  
Compania Cervecerias Unidas SA  
Company Group ALITA AB  
CONSTELLATION BRANDS, INC.  
Corby Spirit and Wine Limited  
Corporacion Economica Delta SA  
Craft Brew Alliance, Inc.  
Crimson Wine Group, Ltd.  
Cruzan International, Inc.  
Davide Campari-Milano NV  
Delegat Group Limited  
Delta Corporation Limited  
Diageo Capital BV  
Diageo Capital Plc  
Diageo Finance Plc  
Diageo Investment Corp.  
Diageo plc  
Diamond Estates Wines & Spirits Inc.  
Distell Group Holdings Ltd.  
Distell Group Ltd.  
Distil PLC  
Distilleries Company of Sri Lanka Plc  
Domaine Costa Lazaridi SA  
Drinks Americas Holdings Ltd.  
Dynasty Fine Wines Group Limited  
East African Breweries Ltd.  
Einbecker Brauhaus AG  
Empee Distilleries Ltd.  
Emperador Inc.  
Endeavour Group Ltd. (Australia)  
FBG Finance Pty. Ltd.  
Florida Ice & Farm Co. SA  
Foley Wines Limited  
Foster's Group Pty Ltd.  
Fujian Yanjing Huiquan Brewery Co., Ltd.  
G.M. Breweries Ltd.  
Gansu Huangtai Wine-Marketing Industry Co., Ltd.  
Gansu Mogao Industrial Development Co., Ltd.  
General Investment

Ginebra San Miguel, Inc.  
Globus Spirits Limited  
Golden Guinea Breweries Plc  
Goldin Financial Holdings Limited  
Good Drinks Australia Limited  
Grupa Zywiec Sp zoo  
Grupo Modelo SAB de CV  
Guangzhou Zhujiang Brewery Co., Ltd.  
Guinness Ghana Breweries Plc  
Guinness Nigeria Plc  
Gurktaler AG  
Gusbourne Plc  
Ha Noi - Thanh Hoa Beer JSC  
Hainan Yedao (Group) Co., Ltd.  
Hanoi Hai Duong Beer JSC  
Harboes Bryggeri A/S  
Hartwall Oy Ab  
Hawesko Holding SE  
Hebei Hengshui Laobaigan Liquor Co., Ltd.  
Heineken Holding NV  
Heineken Malaysia Berhad  
Heineken NV  
HITEJINRO Co., Ltd.  
HiteJinro Holdings Co., Ltd.  
IFB Agro Industries Limited  
Indage Vintners Ltd.  
India Glycols Limited  
International Breweries PLC  
Italian Wine Brands SpA  
Jagatjit Industries Limited  
Jiangsu King's Luck Brewery Joint -stock Co., Ltd.  
Jiangsu Yanghe Distillery Co., Ltd.  
Jinhui Liquor Co., Ltd.  
JINRO DISTILLERS Co., Ltd.  
Jiugui Liquor Co., Ltd.  
Jos International Breweries Plc  
Kaddy Ltd.  
KEO Plc  
Khoday India Ltd.  
Kirin Holdings Co., Ltd.  
Kook Soon Dang Co., Ltd.  
Kopparbergs Bryggeri AB  
KOREA ALCOHOL INDUSTRIAL Co., Ltd.  
Kuaijishan Shaoxing Rice Wine Co., Ltd.  
Kulmbacher Brauerei AG  
Kutjevo dd  
Kweichow Moutai Co., Ltd.  
Lamdong Foodstuffs JSC  
Landshuter Brauhaus AG  
Lanson-BCC  
Lanzhou Huanghe Enterprise Co., Ltd.  
Lark Distilling Co. Ltd.  
Laurent-Perrier SA  
Lion Brewery (Ceylon) PLC  
Lombard & Medot  
Lomsko Pivo AD



Lucas Bols BV  
Luzhou Laojiao Co., Ltd.  
Mackmyra Svensk Whisky AB  
MAJOR HOLDINGS LIMITED  
Malteries Franco-Belges  
Maraska dd  
Marie Brizard Wine & Spirits SA  
Marlborough Wine Estates Group Ltd.  
Masi Agricola SpA  
Melstacorp PLC  
Mendocino Brewing Co., Inc.  
MGP Ingredients, Inc.  
MH ETHANOL Co., Ltd.  
Molson Coors Beverage Company  
Molson Coors Canada Inc.  
Moninger Holding AG  
Montalvo Spirits, Inc.  
Muhak Co., Ltd.  
Murree Brewery Co., Ltd.  
Naked Wines Plc  
Namibia Breweries Ltd.  
National Breweries PLC  
New Silkroad Culturaltainment Ltd.  
Nigerian Breweries Plc  
Novabev Group  
Oenon Holdings, Inc.  
Olvi Oyj  
Orpar SA  
Ottakringer Getraenke AG  
Palaioi Oinoi Naousis Holdings & Investment SA  
Park & Bellheimer AG  
Pernod Ricard Finance SA  
Pernod Ricard SA  
Phoenix Beverages Limited  
Piccadilly Sugar & Allied Industries Ltd.  
Pincon Spirit Ltd.  
Pioneer Distilleries Ltd.  
Pivara Tuzla dd  
Pivovarna Lasko Union doo  
Pivovary Lobkowicz Group as  
Pol Roger et Cie SA  
Prilepska Pivarnica AD  
Prodvinaco SA

PT Delta Djakarta Tbk  
PT Multi Bintang Indonesia Tbk  
Pungguk Ethanol Co., Ltd.  
Purcari Wineries Public Co., Ltd.  
Qinghai Huzhu TianYouDe Highland Barley Spirit Co., Ltd.  
Radico Khaitan Limited  
Rana Sugars Ltd.  
Raphael Michel SA  
Ravikumar Distilleries Ltd.  
Remy Cointreau SA  
RES Invest Holding AD  
Rocky Mountain Liquor Inc.  
ROK Stars Ltd.  
Roust Corp.  
Royal Unibrew A/S  
Rubin AD  
S.A. Damm  
Saigon Beer Alcohol Beverage Corp.  
San Miguel Brewery HK Ltd.  
Sapporo Holdings Ltd.  
Sarajevska Pivara dd  
Scheid Vineyards, Inc.  
Schloss Wachenheim AG  
Schlumberger GmbH /Austria/  
Sechaba Brewery Holdings Ltd.  
Sektellerei J. Oppmann AG  
Shanghai Bairun Investment Holding Group Co., Ltd.  
ShangHai JinFeng Wine Co. Ltd.  
Shanxi Xinghuacun Fen Wine Factory Co., Ltd.  
Shede Spirits Co., Ltd.  
Shepherd Neame Ltd.  
Sichuan Swellfun Co. Ltd.  
Silver Base Group Holdings Limited  
Silver Oak (India) Ltd.  
Simonds Farsons Cisk Plc  
Societe Commerciale de Brasserie SA  
Societe des Boissons du Maroc SA  
SOLIBRA SA  
SOM DISTILLERIES & BREWERIES LIMITED  
Stock Spirits Group Ltd.  
Sula Vineyards Ltd.  
Suntory Holdings Ltd.

Takara Holdings, Inc.  
Tanzania Breweries Ltd.  
Thai Beverage Public Company Limited  
Thang Long Wine JSC  
The Boston Beer Company, Inc.  
The Duckhorn Portfolio, Inc.  
Tibet Development Co., Ltd.  
Tibet Water Resources Ltd.  
Tilaknagar Industries Ltd.  
Todoroff AD  
Tonghua Grape Wine Co., Ltd.  
Treasury Wine Estates Limited  
Truett-Hurst, Inc.  
Tsingtao Brewery Company Limited  
Turk Tuborg Bira ve Malt Sanayii AS  
UAB Kalnapilio Tauro Grupe  
Umida Group AB  
Union de Cervcerias Peruanas Backus y Johnston SAA  
United Breweries (Holdings) Ltd.  
United Breweries Limited  
United Malt Group Ltd.  
United Spirits Limited  
Vilniaus Degtine AB  
Vina Concha y Toro SA  
Vina San Pedro Tarapaca SA  
Vina Santa Rita SA  
Vinedos Emiliana SA  
Vintage Wine Estates, Inc.  
Vranken-Pommery Monopole SA  
Waterloo Brewing Ltd.  
Willamette Valley Vineyards, Inc.  
Wuliangye Yibin Co., Ltd.  
Xinjiang Yilite Industry Co., Ltd.  
Yamaya Corp.  
Yantai ChangYu Pioneer Wine Co., Ltd.  
Yomeishu Seizo Co., Ltd.  
Zambian Breweries PLC  
Zavod Soloda i Piva OJSC  
Zhejiang Guyuelongshan Shaoxing Wine Co., Ltd.  
ZJLD Group, Inc.  
Zwack Unicum Nyrt.  
13. Jul-Plantaze AD

## Gambling

Gambling refers to the wagering of money on a game or event such as sports, cards or dice games, gaming machines and lotteries. Gambling has historically taken place in physical venues but is now also taking place online. Criteria for the exclusion are defined in the [Exclusion Instruction](#).

### Excluded Investments

(I.Z.) Queenco Ltd.  
32Red Ltd.  
365 Media Group Ltd.  
Accel Entertainment, Inc.  
Acroud AB  
Affinity Gaming Finance Corp.  
Affinity Gaming LLC  
AG&E Holdings, Inc.  
Agility Capital Holding Inc.  
AGTech Holdings Limited  
Ainsworth Game Technology Ltd.  
Alliance Global Group Cayman Islands, Inc.  
Alliance Global Group, Inc.  
Allwyn International AG  
American Casino & Entertainment Properties LLC  
Angler Gaming plc  
Aristocrat Leisure Limited  
Aspire Global Ltd.  
Automatic Systems Ltd.  
B90 Holdings Plc  
Bally's Corporation  
Belle Corp.  
Berjaya Assets Bhd.  
Berjaya Corporation Berhad  
Berjaya Land Berhad  
Best of the Best Plc  
BestGames Holdings Ltd.  
Bet-At-Home.com AG

Betfair Group Ltd.  
BetMakers Technology Group Ltd  
Betsson AB  
Better Collective A/S  
Blick Global Group AB  
Bloomberry Resorts Corporation  
BNN Technology plc  
Boldt SA  
Boyd Gaming Corporation  
Bragg Gaming Group Inc.  
Buffalo Thunder Development Authority  
Butler National Corporation  
Bwin.party digital entertainment plc  
Caesars Entertainment, Inc.  
Caesars Growth Properties Holdings LLC  
Caesars Holdings, Inc.  
Caesars Operating Escrow LLC  
Canterbury Park Holding Corporation  
Catena Media plc  
CCM Merger Inc.  
Centric Holdings SA  
Century Casinos, Inc.  
Cherry AB  
Chester Downs & Marina LLC  
China Ecotourism Group Limited  
China Sports Industry Group Co., Ltd.  
Choctaw Resort Development Enterprise, Inc.  
Chukchansi Economic Development Authority  
Churchill Downs Incorporated

Cirsa Finance International SARL  
Cirsa Funding Luxembourg SA  
CIRSA Gaming Corp. SA  
CityCenter Holdings LLC  
Cleopatra Finance Ltd.  
Club Hipico de Santiago SA  
Contagious Gaming Inc.  
Crazy Sports Group Limited  
CRC Escrow Issuer LLC  
Crown Resorts Limited  
Daikoku Denki Co., Ltd.  
Delta Corp. Ltd. (India)  
Deq Systems Corp.  
DigiPlus Interactive Corp.  
Donaco International Limited  
Downstream Development Authority (Oklahoma)  
DraftKings Inc.  
DYNAM Japan Holdings Co., Ltd.  
EBET, Inc.  
Elray Resources, Inc.  
Elys BMG Group, Inc.  
Emperor Entertainment Hotel Limited  
Emperor International Holdings Limited  
Empire Resorts, Inc.  
Enjoy SA  
Enlabs AB  
Entain Plc  
Estoril Sol SGPS SA



Eumundi Group Limited  
Everi Games Holding, Inc.  
Everi Holdings, Inc.  
Everi Payments, Inc.  
Evoke Plc  
Evolution AB  
Evolution Services Sweden AB  
Fable Media Group AB  
FDJ United  
Firekeepers Development Authority  
Flutter Entertainment Plc  
Fortuna Entertainment Group NV  
Four Corners, Inc.  
Fujishoji Co., Ltd.  
Full House Resorts, Inc.  
Galaxy Entertainment Group Limited  
Galaxy Gaming, Inc.  
Gambling.com Group Limited  
Gamecard-Joyco Holdings, Inc.  
Gamehost Inc.  
Gamenet SpA  
Gamesys Group Ltd.  
Gaming Corps AB  
Gaming Partners International Corp.  
Gaming Realms plc  
Gamma Civic Ltd.  
Gan (UK) Ltd.  
GAN Ltd.  
Gateway Casinos & Entertainment Ltd.  
Genting Berhad  
Genting Malaysia Berhad  
Genting Singapore Limited  
Gentoo Media, Inc.  
Global Gaming 555 AB  
GOHL Capital Ltd.  
Golden Entertainment, Inc.  
Golden Matrix Group, Inc.  
Golden Nugget Escrow, Inc.  
Golden Nugget Online Gaming, Inc.  
Golden Nugget, Inc.  
Grand Korea Leisure Co., Ltd.  
Grand Parade Investments Ltd.  
Graton Economic Development Authority (California)  
Great Canadian Gaming Corporation  
Greek Organisation of Football Prognostics SA  
Greektown Holdings LLC  
Groupe Partouche SA  
Guoco Group Limited  
Heiwa Corp.  
Hongbo Co. Ltd.  
Hosken Consolidated Investments Ltd.  
HSP Gaming LP  
Imperial Pacific International Holdings Limited  
Inn of the Mountain Gods Resort Casino  
Inspired Entertainment, Inc.  
Inteq Ltd.  
Integrity Gaming ULC  
International Entertainment Corporation  
International Game Technology Plc  
Intralot Capital Luxembourg SA  
Intralot Finance Luxembourg SA  
INTRALOT SA  
Isle of Capri Casinos LLC  
JACK Entertainment LLC  
Jack Ohio Finance LLC  
Jackpot Digital Inc.  
Jacobs Entertainment, Inc.  
Jumbo Interactive Limited  
Kai Chieh International Investment Ltd.  
Kambi Group plc  
Kangwon Land, Inc.  
Keck Seng Investments (Hong Kong) Limited  
Kinbasha Gaming International, Inc.  
Kindred Group plc  
KONAMI Group Corp.

Ladbrokes Group Finance Plc  
Landry's Acquisition Co.  
Landry's Holdings II, Inc.  
Landry's LLC  
Las Vegas Sands Corp.  
LeoVegas AB  
LHMC Finco 2 SARL  
Light & Wonder International, Inc.  
Light & Wonder, Inc.  
LiNiu Technology Group  
LLPL Capital Pte Ltd.  
Lotarija na Makedonija AD Skopje  
Lotte Tour Development Co., Ltd.  
Lotto24 AG  
Lottomatica Group SpA  
Lottomatica SpA  
Macau Legend Development Limited  
Magnum Berhad  
Mandalay Resort Group  
Manila Jockey Club, Inc.  
Marina District Development Co. LLC  
Marina District Finance Co., Inc.  
Mars Group Holdings Corp.  
Maverick Acquisition Canada ULC Corp.  
Melco International Development Limited  
Melco Resorts & Entertainment (Philippines) Corp.  
Melco Resorts & Entertainment Limited  
Melco Resorts Finance Ltd.  
MGM China Holdings Limited  
MGM Resorts International  
MGP Escrow Issuer LLC  
Midwest Gaming Borrower LLC  
mixi, Inc.  
Mohegan Gaming & Entertainment  
Monarch Casino & Resort, Inc.  
Monte-Carlo Societe des Bains de Mer SA  
Mr Green & Co. AB  
mybet Holding SE  
NagaCorp Ltd.  
NeoGames SA  
Net Holding AS  
NetPlay TV Ltd.  
Nevada Gold & Casinos, Inc.  
Newbury Racecourse Plc  
Nexteq Plc  
Niraku GC Holdings, Inc.  
Novomatic AG  
Odyssey Europe Holdco SARL  
OIZUMI CORP.  
Ollamani SAB  
Olympia Industries Berhad  
Olympic Entertainment Group AS  
Pacific Online Systems Corp.  
Paradise Co., Ltd.  
Paradise Entertainment Limited  
Parpro Corp.  
Peermont Global (Pty) Ltd.  
Peninsula Gaming, LLC  
PENN Entertainment, Inc.  
pferdewetten.de AG  
Philweb Corporation  
Phumelela Gaming & Leisure Ltd.  
Pinnacle Entertainment, Inc.  
PlayAGS, Inc.  
Playsafe Holding AS  
Playtech plc  
PNK Finance Corp.  
PointsBet Holdings Limited  
Pollard Banknote Limited  
Premium Leisure Corp.  
PT (Jersey) Ltd.  
Raketeck Group Holding Plc  
Rank Group Plc  
Red Rock Resorts, Inc.  
Redcape Hotel Group Management Ltd.

Reef Casino Trust  
REXLot Holdings Ltd.  
RGB International Bhd.  
River Rock Entertainment Authority  
Rivers Pittsburgh Borrower LP  
Royal Highgate PCL  
Royal International Corp.  
Rush Street Interactive, Inc.  
Sands China Ltd.  
Sankyo Co., Ltd.  
Score Media and Gaming Inc.  
Scout Gaming Group AB  
Secure Electronic Technology Plc  
Sega Sammy Holdings, Inc.  
Seminole Hard Rock Entertainment, Inc.  
Seneca Gaming Corp.  
Seven Aces Limited  
Shingle Springs Tribal Gaming Authority  
Silver Heritage Group Ltd.  
SJM Holdings Limited  
SkyCity Entertainment Group Limited  
SNAITECH SpA  
Snoqualmie Entertainment Authority  
Sociedad Hipodromo Chile SA  
Societe Fermiere du Casino Municipal de Cannes SA  
Societe Francaise de Casinos SA  
Southwest Casino Corp.  
Sportech PLC  
Sportingbet Ltd.  
Sports Toto Bhd.  
Station Casinos LLC  
Stride Gaming Ltd.  
STS Holding SA  
Studio City Co. Ltd.  
Studio City Finance Ltd.  
Studio City International Holdings Limited  
SugarHouse HSP Gaming LP  
SugarHouse HSP Gaming Prop. Mezz LP  
Summit Ascent Holdings Limited  
Sun International Ltd.  
Sunborn (Gibraltar) Ltd.  
Super Group (SGHC) Ltd.  
Supreme Ventures Ltd.  
Syzygy Entertainment Ltd.  
Tabcorp Holdings Limited  
Tabcorp Maxgaming Holdings Ltd.  
Table Trac, Inc.  
Tangiamo Touch Technology AB  
The Intertain Group Limited  
The Lottery Corporation Limited  
The Majestic Star Casino LLC  
The Seminole Tribe of Florida, Inc.  
The Star Entertainment Group Limited  
The Stars Group Inc.  
Tintra Ltd.  
Tokyotokeiba Co., Ltd.  
Travellers International Hotel Group, Inc.  
Tropicana Entertainment, Inc.  
Tsogo Sun Ltd.  
Tsuburaya Fields Holdings, Inc.  
Tunica Biloxi Gaming Authority  
Tunica-Biloxi Tribe of Louisiana  
Universal Entertainment Corp.  
Valparaiso Sporting Club SA  
VICI Properties  
Waterfront Philippines, Inc.  
Webis Holdings Plc  
William Hill Ltd.  
WMS Industries, Inc.  
Wynn Las Vegas LLC  
Wynn Macau Limited  
Wynn Resorts, Limited  
XLMedia Plc  
ZEAL Network SE



## Military Equipment

Military equipment refers to equipment that has been developed, designed, or modified for military use based on military specifications. Criteria for the exclusion are defined in the [Exclusion Instruction](#).

### Excluded Investments

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| Abu Dhabi Ship Building Co.<br>ADS Tactical, Inc.<br>Aerojet Rocketdyne Holdings, Inc.<br>Aerospace Industrial Development Corp.<br>Aerostar SA<br>AeroVironment, Inc.<br>AirBoss of America Corp.<br>Airbus Finance BV<br>Airbus SE<br>AMMO, Inc.<br>Amentum Holdings, Inc.<br>Apollo Micro Systems Limited<br>Aryt Industries Ltd.<br>Asahi-Seiki Manufacturing Co., Ltd.<br>Aselsan Elektronik Sanayi ve Ticaret AS<br>Astra Microwave Products Limited<br>Austal Limited<br>Avic (Chengdu) UAS Co., Ltd.<br>AVIC Airborne Systems Co., Ltd.<br>AVIC Shenyang Aircraft Co., Ltd.<br>AVIC Xi'an Aircraft Industry Group Co., Ltd.<br>AviChina Industry & Technology Company Limited<br>Avicopter Plc<br>Avio S.p.A.<br>Babcock International Group Plc<br>BAE Systems (Finance) Ltd.<br>BAE Systems Plc<br>BEML Limited<br>Bharat Dynamics Limited<br>Bharat Electronics Limited<br>Bharat Forge Limited<br>Booz Allen Hamilton Holding Corporation<br>Booz Allen Hamilton, Inc.<br>Boustead Heavy Industries Corporation<br>Berhad<br>Butler National Corporation<br>BWX Technologies, Inc.<br>CACI International Inc<br>Chemring Group Plc<br>China Aerospace Science & Technology Corp.<br>China Aerospace Times Electronics Co., Ltd.<br>China North Industries Group Corp. Ltd.<br>China Poly Group Corp. Ltd.<br>China Shipbuilding Industry Co., Ltd.<br>China South Industries Group Co., Ltd.<br>China State Shipbuilding Corp. Ltd.<br>CIRCOR International, Inc.<br>Cochin Shipyard Limited<br>Cohort Plc<br>Colt CZ Group SE<br>CPI Aerostructures, Inc.<br>CSBC Corp. Taiwan<br>CSSC Capital 2015 Ltd.<br>CSSC Capital Two Ltd.<br>Curtiss-Wright Corporation<br>Dassault Aviation SA<br>Data Patterns (India) Ltd.<br>Destini Berhad<br>Ducommun Incorporated<br>DynCorp (Parent) International Inc.<br>Dynamatic Technologies Limited<br>Eaton Capital ULC<br>Eaton Corporation plc<br>Elbit Systems Ltd.<br>Electro Optic Systems Holdings Limited<br>Embraer Netherlands Finance BV<br>Embraer Overseas Ltd.<br>Embraer SA | EMCORE Corporation<br>Esterline Technologies Corp.<br>Exail Technologies SA<br>Fincantieri SpA<br>FIRSTEC Co., Ltd.<br>Fluor Corporation<br>Garden Reach Shipbuilders & Engineers Limited<br>GE Aerospace<br>GE Capital Canada Funding Co.<br>GE Capital European Funding Unlimited Co.<br>GE Capital International Funding Company Unlimited Co.<br>GE Capital UK Funding Unlimited Co.<br>General Dynamics Corporation<br>General Electric Capital Corp.<br>Graham Corporation<br>H&K AG<br>Hanwha Aerospace Co., Ltd.<br>Hanwha Corp.<br>Hanwha Systems Co., Ltd.<br>HBL Engineering Limited<br>Heckler & Koch GmbH<br>HEICO Corporation<br>HENSOLDT AG<br>HII Mission Technologies Corp.<br>Hindustan Aeronautics Ltd.<br>HJ SHIPBUILDING & CONSTRUCTION Co., Ltd.<br>Honeywell International Inc.<br>Howa Machinery, Ltd.<br>Huntington Ingalls Industries, Inc.<br>HYUNDAI ROTEM Co.<br>Iar SA<br>IHI Corp.<br>Imco Industries Ltd.<br>Indra Sistemas SA<br>Inner Mongolia First Machinery Group Co., Ltd.<br>James Fisher & Sons plc<br>Jiangxi Hongdu Aviation Industry Co., Ltd.<br>Jihua Group Corp. Ltd.<br>Kaman Corporation<br>Kawasaki Heavy Industries Ltd.<br>KBR, Inc.<br>Kirov Mayak Plant OAO<br>Kongsberg Gruppen ASA<br>Korea Aerospace Industries Ltd.<br>Kratos Defense & Security Solutions, Inc.<br>L3 Technologies, Inc.<br>L3Harris Technologies, Inc.<br>Leidos, Inc.<br>Leonardo DRS, Inc.<br>Leonardo SpA<br>Leonardo US Holding, Inc.<br>LIG Nex1 Co., Ltd.<br>LMI Aerospace, Inc.<br>Lockheed Martin Corporation<br>Lumibird SA<br>Machine Building Plant Arsenal OJSC<br>Magellan Aerospace Corporation<br>ManTech International Corporation<br>Mazagon Dock Shipbuilders Ltd.<br>Meggitt Ltd.<br>Mishra Dhatu Nigam Limited<br>Mitsubishi Heavy Industries, Ltd.<br>Moog Inc.<br>Moscow Machine Building Plant Vpered JSC<br>Motor Sich JSC<br>MS International plc | National Presto Industries, Inc.<br>NC Kazakhstan Engineering JSC<br>NOF Corp.<br>North Industries Group Red Arrow Co., Ltd.<br>North Navigation Control Technology Co., Ltd.<br>Northrop Grumman Corporation<br>Northrop Grumman Systems Corp.<br>Oceaneering International, Inc.<br>Olin Corporation<br>Optex Systems Holdings, Inc.<br>Oshkosh Corporation<br>Otokar Otomotiv ve Savunma Sanayi AS<br>PAE Incorporated<br>Parker-Hannifin Corporation<br>Parsons Corporation<br>Paras Defence & Space Technologies Ltd.<br>Poongsan Corp.<br>POONGSAN HOLDINGS Corp.<br>Premier Explosives Ltd.<br>QinetiQ Group plc<br>Raytheon Co.<br>Reunert Ltd.<br>Rheinmetall AG<br>Ricardo plc<br>Rolta Americas LLC<br>Rolta India Limited<br>Rolta LLC<br>Romaero SA<br>RSL Electronics Ltd.<br>RTX Corporation<br>SA Belge De Constructions Aeronautiques<br>Safran SA<br>Science Applications International Corporation<br>SDT Uzay ve Savunma Teknolojileri AS<br>Serco Group Plc<br>Singapore Technologies Engineering Ltd.<br>SK Oceanplant Co., Ltd.<br>Smith & Wesson Brands, Inc.<br>SNT DYNAMICS Co., Ltd.<br>Special Machine Building & Metallurgy PJSC<br>Spirit AeroSystems Holdings, Inc.<br>Spirit AeroSystems, Inc.<br>ST Engineering Financial I Ltd.<br>Saab Ab<br>Swan Defence & Heavy Industries Limited<br>TA Mfg Ltd.<br>Taurus Armas SA<br>Taylor Devices, Inc.<br>Techpibor PJSC<br>Teledyne FLIR LLC<br>Teledyne Technologies Incorporated<br>Textron Financial Corp.<br>Textron Inc.<br>Thales Belgium SA<br>Thales SA<br>The Boeing Company<br>TransDigm Group Incorporated<br>TransDigm, Inc.<br>Tula Gun Factory JSC<br>V. A. Degtyarev Plant OJSC<br>V2X, Inc.<br>Verney-Carron SA<br>Vista Outdoor Inc.<br>Walchandnagar Industries Ltd.<br>Woodward, Inc.<br>Wuhan Guide Infrared Co., Ltd.<br>AAR Corp. |
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## Fossil Fuel Transition Laggards

Fossil Fuel Transition Laggards exclusions are exclusions that apply to fossil fuel companies that fail to meet the net zero transition criteria defined under the Net Zero Pathway framework for Danske Bank set out in this document: [Net-Zero Pathway Framework for investee companies](#). The scope of the exclusions is defined in [Danske Bank's Fossil Fuel Position Statement](#). The exclusion criteria are further defined in the [Exclusion instruction](#).

### Excluded Investments

|                                                |                                                            |                                            |
|------------------------------------------------|------------------------------------------------------------|--------------------------------------------|
| 2i Rete Gas SpA                                | Anhui Hengyuan Coal Industry & Electricity Power Co., Ltd. | Bharat Petroleum Corporation Limited       |
| 3i Infrastructure PLC                          | AntarChile SA                                              | BHP Billiton Finance (USA) Ltd.            |
| 88 Energy Limited                              | Antero Midstream Corporation                               | BHP Billiton Finance BV                    |
| A2A SpA                                        | Antero Midstream Partners LP                               | BHP Billiton Finance Ltd.                  |
| AB Ignitis Gamyba                              | Antero Resources Corporation                               | BHP Group Limited                          |
| AB Igrene                                      | Antero Resources Finance Corp.                             | Bighorn Permian Resources LLC              |
| Aban Offshore Limited                          | Anton Oilfield Services Group                              | Binh Son Refining & Petrochemical Co. Ltd. |
| ABL Group ASA                                  | APA CORPORATION                                            | Binhai Investment Company Limited          |
| Aboitiz Equity Ventures, Inc.                  | APA Infrastructure Ltd.                                    | Birchcliff Energy Ltd.                     |
| Aboitiz Power Corp.                            | Apache Corp.                                               | Bisichi Plc                                |
| Abraxas Petroleum Corporation                  | Apache Finance Canada LLC                                  | Bison Merger Sub I LLC                     |
| Abterra Ltd.                                   | Apetra SA                                                  | Black Hills Corporation                    |
| Abu Dhabi Crude Oil Pipeline LLC               | Appalachian Power Co.                                      | Black Stone Minerals, L.P.                 |
| Abu Dhabi National Energy Co. PJSC             | Approach Resources Inc.                                    | BlackPearl Resources, Inc.                 |
| Abu Dhabi National Oil Co. for Distribution    | Aquila Holdings ASA                                        | Blue Racer Finance Corp.                   |
| PJSC                                           | ARC Resources Ltd.                                         | Blue Racer Midstream LLC                   |
| ACWA Power Co.                                 | Arch Resources, Inc.                                       | Blue Star Helium Limited                   |
| Adams Resources & Energy, Inc.                 | Archrock Partners LP                                       | BlueNord ASA                               |
| Adani Electricity Mumbai Ltd.                  | Ardmore Shipping Corporation                               | Bluewater Energy Services BV               |
| Adani Enterprises Limited                      | Arizona Public Service Co.                                 | BOA SBL AS                                 |
| Adani Power Limited                            | ARKO Corp.                                                 | Boardwalk Pipeline Partners LP             |
| Adani Total Gas Limited                        | Armour Energy Limited                                      | Boardwalk Pipelines LP                     |
| Ades Holding Co.                               | Arrow Exploration Corp.                                    | Bonavista Energy Corporation               |
| ADNOC Drilling Co. PJSC                        | Ascent Resources Utica Holdings LLC                        | Bonterra Energy Corp.                      |
| ADNOC Gas Plc                                  | Ashdod Refinery Ltd.                                       | Borets Finance DAC                         |
| ADNOC Logistics & Services Plc                 | Aspire Mining Limited                                      | Borr Drilling Ltd.                         |
| Advantage Energy Ltd.                          | Athabasca Oil Corporation                                  | Boston Gas Co.                             |
| Aegis Logistics Ltd.                           | Atlantic Petroleum P/F                                     | BOURBON Maritime SASU                      |
| Aenza SAA                                      | Atlantic Power Corporation                                 | Boustead Holdings Berhad                   |
| AES Andes SA                                   | Atlas Energy Group LLC                                     | Bowen Coking Coal Limited                  |
| AES Argentina Generacion SA                    | Atlas Energy Solutions, Inc.                               | BPRL International Singapore Pte Ltd.      |
| AES El Salvador Trust II                       | Attock Petroleum Ltd.                                      | Braskem America Finance Co.                |
| AES Espana BV                                  | Aurizon Network Pty Ltd.                                   | Braskem Netherlands Finance BV             |
| Africa Oil Corp.                               | Aurora LPG Holding AS                                      | Brava Energia                              |
| African Rainbow Minerals Ltd.                  | Ausnet Pty Ltd. (Victoria)                                 | Brickworks Limited                         |
| AgriTrade Resources Limited                    | Autobahn Tank & Rast Gruppe GmbH & Co. KG                  | Brightoil Petroleum (Holdings) Ltd.        |
| Ahlatci Dogal Gaz Dagitim Enerji ve Yatirim AS | Avance Gas Holding Ltd.                                    | BRISTOW GROUP INC.                         |
| Air Water, Inc.                                | AWE Pty Ltd.                                               | Brooge Energy Limited                      |
| AI Candelaria (Spain) SLU                      | AXP Energy Limited                                         | Brooge Petroleum & Gas Investment Co. FZE  |
| Akastor ASA                                    | B.Grimm Power Public Co. Ltd.                              | Brookfield Business Partners LP            |
| Akenerji Elektrik Uretim AS                    | Baker Hughes Company                                       | Brookside Energy Limited                   |
| Aker BP ASA                                    | Baker Hughes Holdings LLC                                  | Bruin E&P Partners LLC                     |
| Aksa Enerji Uretim AS                          | Baltimore Gas & Electric Co.                               | Buckeye Partners, L.P.                     |
| Alabama Power Company                          | Bangchak Corporation Public Company Limited                | Bulgarian Energy Holding EAD               |
| Alarko Holding AS                              | Bangchak Sriracha Public Company Limited                   | Bumi Armada Berhad                         |
| Albanesi SA                                    | Bangkok Aviation Fuel Services Public Co., Ltd.            | Bumi Investment Pte Ltd.                   |
| Aldees Petroleum & Transport Services Co.      | Banpu Power Public Co. Ltd.                                | BW Energy Ltd.                             |
| Alexandria Mineral Oils Co.                    | Banpu Public Company Limited                               | BW Group Ltd.                              |
| ALLETE, Inc.                                   | Barnwell Industries, Inc.                                  | BW LPG Ltd.                                |
| Alliance Holdings GP LP                        | Bashneft PJSOC                                             | Cadent Finance Plc                         |
| Alliance Oil Co., Ltd.                         | Basic Energy Services, Inc.                                | Cadogan Energy Solutions Plc               |
| Alliance Resource Operating Partners LP        | Baskent Dogalgaz Dagitim Gayrimenkul Yatirim Ortakligi AS  | CalEnergy Generation LLC                   |
| Alliance Resource Partners LP                  | Bathurst Resources Limited                                 | Calfrac Holdings LP                        |
| Alliant Energy Corporation                     | Battalion Oil Corporation                                  | Calfrac Well Services Ltd.                 |
| Alon USA Energy, Inc.                          | Baytex Energy (LP) Ltd.                                    | California Resources Corporation           |
| Alpha Metallurgical Resources, Inc.            | Baytex Energy Corp.                                        | Callon Petroleum Company                   |
| Alta Mesa Holdings, LP                         | Beach Energy Limited                                       | Calpine Corp.                              |
| Alta Mesa Resources, Inc.                      | Beijing Energy Investment Holdings Ltd.                    | Calumet, Incorporated                      |
| AltaGas Ltd.                                   | Beijing Enterprises Holdings Limited                       | Camber Energy, Inc.                        |
| Altera Infrastructure LP                       | Beijing Gas Blue Sky Holdings Limited                      | Cameron LNG LLC                            |
| Altera Shuttle Tankers LLC                     | Beijing Haohua Energy Resource Co., Ltd.                   | Can2 Termik AS                             |
| Altius Minerals Corporation                    | Beijing Jingneng Power Co., Ltd.                           | Canacol Energy Ltd.                        |
| Amazing Energy Oil & Gas Co.                   | Belgelec Finance SA                                        | Canadian Natural Resources Limited         |
| Amec Foster Wheeler Ltd.                       | Bellis Acquisition Co. Plc                                 | CanAsia Energy Corp.                       |
| American Biofuels, Inc.                        | Berkshire Hathaway Energy Co.                              | Canvas Energy, Inc.                        |
| American Electric Power Company, Inc.          | Berry Corporation                                          | Capex SA                                   |
| American Tanker, Inc.                          | Berry Petroleum Co. LLC                                    | Capitan Investment Ltd.                    |
| AmeriGas Finance LLC                           | Bestsun Energy Co., Ltd.                                   | Capricorn Energy Plc                       |
| AmeriGas Partners, L.P.                        | Bestway Marine & Energy Technology Co., Ltd.               | CARBO Ceramics Inc.                        |
| Amerisur Resources Ltd.                        |                                                            | Cardinal Energy Ltd.                       |
| Amplify Energy Corp.                           |                                                            | Carnarvon Energy Limited                   |
| Ampol Limited                                  |                                                            | Cenovus Energy Inc.                        |
| An Hui Wenergy Co., Ltd.                       |                                                            | CenterPoint Energy Resources Corp.         |
| Anadarko Petroleum Corporation                 |                                                            | Central Puerto SA                          |
| Andeavor LLC                                   |                                                            | Centrica Plc                               |



|                                                         |                                                 |                                               |
|---------------------------------------------------------|-------------------------------------------------|-----------------------------------------------|
| CEPSA Finance SAU                                       | Coal India Ltd.                                 | Delek US Energy, Inc.                         |
| Cequence Energy Ltd.                                    | Cobalt International Energy, Inc.               | Delek US Holdings, Inc.                       |
| CES Energy Solutions Corp.                              | Colonial Pipeline Co.                           | Deleum Bhd.                                   |
| CESC Ltd.                                               | Colorado Interstate Gas Co. LLC                 | Delmarva Power & Light Co.                    |
| CEZ as                                                  | Comet Ridge Ltd.                                | Delta Natural Gas Co., Inc.                   |
| CH Energy Group, Inc.                                   | Cometa Energia SA de CV                         | Delta Oil & Gas, Inc.                         |
| ChampionX Corporation                                   | Comision Federal de Electricidad SA de CV       | Denbury, Inc.                                 |
| Chandra Prabhu International Ltd.                       | Compagnie de l'Odet SE                          | Devon Energy Corporation.                     |
| Channel Infrastructure NZ Limited                       | Companhia de Gas de Sao Paulo-Comgas            | Devon Financing Corp. ULC                     |
| Chariot Ltd.                                            | Compania Espanola de Petroleos SA               | Dexon Technology Public Co., Ltd.             |
| Cheniere Corpus Christi Holdings LLC                    | Compania General de Combustibles SA             | DHT Holdings, Inc.                            |
| Cheniere Energy Partners LP                             | Comstock Resources, Inc.                        | DIALOG Group Berhad                           |
| Cheniere Energy, Inc.                                   | Concho Resources Inc.                           | Diamond Offshore Drilling, Inc.               |
| Chennai Petroleum Corporation Limited                   | Concordia Maritime AB                           | Diamond S Shipping, Inc.                      |
| Chesapeake Energy Corporation                           | Condor Energies Inc.                            | Diamondback Energy, Inc.                      |
| Chesapeake Utilities Corporation                        | Conoco Funding Co.                              | Direct Energie SA                             |
| Cheung Kong Infrastructure Finance (BVI) Ltd.           | ConocoPhillips                                  | Diversified Energy Co. Plc                    |
| Chevron Corporation                                     | ConocoPhillips Australia Funding Co.            | DMCI Holdings, Inc.                           |
| Chevron U.S.A., Inc.                                    | ConocoPhillips Canada Funding Co. I             | DNO ASA                                       |
| China Aviation Oil (Singapore) Corp. Ltd.               | ConocoPhillips Canada Funding Co. II            | DNO North Sea Plc                             |
| China Coal Energy Company Limited                       | ConocoPhillips Co.                              | DOF ASA                                       |
| China Coal Xinji Energy Co., Ltd.                       | Conoil Plc                                      | DOF Group ASA                                 |
| China Gas Holdings Limited                              | CONSOL Energy Inc.                              | DOF Subsea AS                                 |
| China High Speed Transmission Equipment Group Co., Ltd. | Consolidated Edison Company of New York, Inc.   | Dogan Sirketler Grubu Holding AS              |
| China HK Power Smart Energy Group Limited               | Constellation Energy Generation LLC             | Dolphin Group ASA                             |
| China Huadian Corp., Ltd.                               | Constellation Oil Services Holding SA           | Dommo Austria GmbH                            |
| China Huadian Overseas Development 2018 Ltd.            | Consumers Energy Company                        | Dommo Energia SA                              |
| China Huadian Overseas Development Management Co., Ltd. | Continental Resources, Inc.                     | Dorchester Minerals, L.P.                     |
| China Huaneng Group Co., Ltd.                           | ContourGlobal Ltd.                              | Dorian LPG Ltd.                               |
| China Huarong Energy Company Limited                    | ContourGlobal Power Holdings SA                 | DT Midstream, Inc.                            |
| China Merchants Energy Shipping Co., Ltd.               | Conuma Resources Ltd.                           | DTE Electric Co.                              |
| China National Chemical Corp., Ltd.                     | Cool Co. Ltd.                                   | Dubai Electricity & Water Authority           |
| China National Petroleum Corp.                          | Cooper Energy Limited                           | Duke Energy Carolinas LLC                     |
| China Oil and Gas Group Limited                         | Core Laboratories Inc.                          | Duke Energy Corporation                       |
| China Oilfield Services Limited                         | Coronado Global Resources Inc.                  | Duke Energy Florida LLC                       |
| China Petrochemical Corp.                               | Corporacion de Reservas Estrategicas            | Duke Energy Florida Project Finance LLC       |
| China Petroleum & Chemical Corporation                  | Productos Petroliferos                          | Duke Energy Ohio, Inc.                        |
| China Petroleum Engineering Corp.                       | Corral Petroleum Holdings AB                    | Dwellop AS                                    |
| China Power International Development Limited           | Corsa Coal Corp.                                | Dynegy Finance I, Inc.                        |
| China Qinfu Group Limited                               | Cosan Finance Ltd.                              | E.A. Technique (M) Berhad                     |
| China Resources Gas Group Limited                       | Cosan Luxembourg SA                             | E1 Corp.                                      |
| China Resources Power Holdings Co., Ltd.                | Cosan Overseas Ltd.                             | Eagle Energy Inc.                             |
| China Risun Group Ltd.                                  | Cosan SA                                        | EARTH INFINITY CO. LTD.                       |
| China Shenhua Energy Company Limited                    | COSL Finance (BVI) Ltd.                         | Earthstone Energy, Inc.                       |
| China Shenhua Overseas Capital Co., Ltd.                | COSL Singapore Capital Ltd.                     | Eastcomtrans LLP                              |
| China Suntien Green Energy Corporation Limited          | Cosmo Energy Holdings Co., Ltd.                 | Eastern Energy Gas Holdings LLC               |
| Chord Energy Corporation                                | Cosmo Oil KK                                    | Eastern Gas Transmission & Storage, Inc.      |
| Chubu Electric Power Co., Inc.                          | Coterra Energy Inc.                             | E-Commodities Holdings Limited                |
| Churchill Mining plc                                    | Covey Park Energy LLC                           | Ecopetrol SA                                  |
| Cimarex Energy Co.                                      | Covia Holdings LLC                              | Ecora Resources Plc                           |
| Cimarex Resolute LLC                                    | CQP Holdco LP                                   | EDC Finance DAC                               |
| CITGO Holding, Inc.                                     | Crescent Energy Company                         | Edison Spa                                    |
| CITGO Petroleum Corp.                                   | Crestwood Equity Partners LP                    | EER Finance, Inc.                             |
| CITIC Limited                                           | Crew Energy Inc.                                | Eesti Energia AS                              |
| CITIC Resources Finance (2007) Ltd.                     | CrownRock LP                                    | EG Global Finance Plc                         |
| CITIC Resources Holdings Limited                        | CSI Compressco LP                               | EG Group Ltd.                                 |
| Civitas Resources, Inc.                                 | CU, Inc.                                        | Egypt Kuwait Holding Co. SAE                  |
| CK Infrastructure Holdings Limited                      | Cubility AS                                     | Eidesvik Offshore ASA                         |
| Clean Energy Fuels Corp.                                | Cumberland Farms, Inc.                          | El Paso Electric Company                      |
| Cleco Corporate Holdings LLC                            | CVR Energy, Inc.                                | El Paso Energy Capital Trust I                |
| Cloud Peak Energy Inc.                                  | CVR Refining LLC                                | EL5-Energro PJSC                              |
| Cloud Peak Energy Resources LLC                         | CVR Refining LP                                 | Electric Power Development Co., Ltd.          |
| CNAC (HK) Finbridge Co. Ltd.                            | Cydsa SAB de CV                                 | Electricity Generating Public Company Limited |
| CNAC (HK) Synbridge Co., Ltd.                           | Czech Gas Networks Investments SARL             | Electricity Supply Board Ltd.                 |
| CNOOC Curtis Funding No. 1 Pty Ltd.                     | Daimaru Enawin Co., Ltd.                        | ElectroMagnetic GeoServices ASA               |
| CNOOC Energy Technology & Services Ltd.                 | Daldrup & Soehne AG                             | Elering AS                                    |
| CNOOC Finance (2003) Ltd.                               | Dalipal Holdings Limited                        | Eletson Holdings, Inc.                        |
| CNOOC Finance (2011) Ltd.                               | D'Amico International Shipping SA               | Elion Energy Co., Ltd.                        |
| CNOOC Finance (2012) Ltd.                               | Dana Gas PJSC                                   | Elwood Energy LLC                             |
| CNOOC Finance (2013) Ltd.                               | Dana Gas Sukuk Ltd.                             | Empire Petroleum Corporation                  |
| CNOOC Finance (2014) ULC                                | Datang International Power Generation Co., Ltd. | Empresa Electrica Angamos SA                  |
| Cnooc Finance (2015) Australia Pty Ltd.                 | Dawson Geophysical Company                      | Empresa Nacional del Petroleo SA              |
| CNOOC Finance (2015) U.S.A. LLC                         | Dayang Enterprise Holdings Bhd.                 | Empresas Copec SA                             |
| CNOOC Limited                                           | DCC plc                                         | Empresas Lipigas SA                           |
| CNPC (HK) Overseas Capital Ltd.                         | DCP Midstream LP                                | Enable Midstream Partners LP                  |
| CNPC General Capital Ltd.                               | DCP Midstream Operating LP                      | Enauta Participacoes SA                       |
| CNRC Capital Ltd.                                       | DEA Finance SA                                  | Enbridge Energy Management LLC                |
| CNRC Capitale Ltd.                                      | Deep Drilling 1 Pte Ltd.                        | Enbridge Energy Partners LP                   |
| CNX Midstream Partners LP                               | Delek & Avner-Yam Thetis Ltd.                   | Enbridge Gas, Inc.                            |
| CNX Resources Corporation                               | Delek Energy Systems Ltd.                       | Enbridge Inc.                                 |
| Coal Energy SA                                          | Delek Group Ltd.                                | Enbridge Pipelines, Inc.                      |
|                                                         | Delek Logistics Finance Corp.                   | EnCana Holdings Finance Corp.                 |
|                                                         | Delek Logistics Partners LP                     | Endeavor Energy Resources LP                  |
|                                                         | Delek Overriding Royalty Leviathan Ltd.         | ENEA SA                                       |
|                                                         |                                                 | ENEOS Holdings, Inc.                          |
|                                                         |                                                 | Energia Finance AB                            |



Energia SA  
Energean Plc  
Energen Corp.  
Energeticky a prumyslový holding as  
Energia Group Ltd.  
Energia Group NI FinanceCo Plc  
Energia Group NI Holdings Ltd.  
Energie AG Oberösterreich  
Enerģijos Skirstymo Operatorius AB  
Energy Earth Public Company Limited  
Energy Resources LLC  
Energy Transfer LP  
Energy Transfer Operating LP  
Energy Ventures GOM LLC  
Energy World Corp. Ltd.  
Enerplus Corporation  
Enerya Enerji AS  
e-netz Suedhessen AG  
Eneva SA  
Enexis Holding NV  
Engie Energia Chile SA  
ENGIE Energia Peru SA  
Engro Corporation Limited  
Enka Insaat ve Sanayi AS  
EnLink Midstream Finance Corp.  
EnLink Midstream LLC  
EnLink Midstream Partners LP  
ENN Clean Energy International Investment Ltd.  
ENN Natural Gas Co., Ltd.  
EnQuest PLC  
Enservco Corporation  
Ensign Drilling, Inc.  
Enteq Technologies Plc  
Entergy Arkansas LLC  
Entergy Louisiana LLC  
Entergy Utility Affiliates LLC  
Entergy Utility Property, Inc.  
Enterprise Products Operating LLC  
Enterprise Products Partners LP  
EOG Resources, Inc.  
EP Energy as  
EP Energy Corporation  
EP Energy LLC  
EP Infrastructure as  
EPH Financing International as  
Epsilon Energy Ltd.  
EQM Midstream Partners, LP  
EQT Corporation  
Equinor ASA  
Equital Ltd.  
Equitrans Midstream Corporation  
Erdoel-Lagergesellschaft mbH  
Erin Energy Corp.  
Ervia  
ESB Finance DAC  
Esentia Gas Enterprises S de RL de CV  
Eskom Holdings SOC Ltd.  
Essar Energy Ltd.  
Esso  
Etablissements Maurel & Prom SA  
ETC Sunoco Holdings LLC  
Eterna Capital Pte Ltd.  
Eterna Plc  
Eurasia Drilling Co. Ltd.  
Euronav MI II, Inc.  
Euronav NV  
eustream as  
Every Kansas Central, Inc.  
Evolution Petroleum Corporation  
Evolve Transition Infrastructure LP  
EWE AG  
Excelerate Energy, Inc.  
EXCO Resources, Inc.  
Exillon Energy plc  
EXLP Finance Corp.  
EXMAR NV  
Expro Group Holdings N.V.  
EXTERRAN CORPORATION  
Exterran Energy Solutions LP  
Extraction Oil & Gas, Inc.  
Exxaro Resources Ltd.  
Exxon Mobil Corporation  
FAR Limited  
Feishang Anthracite Resources Limited  
Ferrellgas Finance Corp.

Ferrellgas LP  
Ferrellgas Partners, L.P.  
Fieldpoint Petroleum Corp.  
First Gen Corporation  
First Pacific Company Limited  
First Philippine Holdings Corporation  
FirstEnergy Corp.  
FLEX LNG Ltd.  
Floatel International Ltd.  
Floene Energias SA  
Florida Gas Transmission Co. LLC  
Florida Power & Light Co.  
Fluvius System Operator CV  
Fluxys SA  
Foran Energy Group Co., Ltd.  
Forbes Energy Services Ltd.  
Foresight Energy LLC  
Foresight Energy LP  
Formosa Petrochemical Corp.  
Fortis Inc.  
Franco-Nevada Corporation  
Freehold Royalties Ltd.  
Friedrich Vorwerk Group SE  
Frontera Energy Corporation  
Frontline 2012 Ltd.  
Frontline Plc  
FTS International, Inc.  
Fuji Kosan Co., Ltd.  
Fuji Oil Co., Ltd. /5017/  
Fujian Funeng Co., Ltd.  
Fulcrum Utility Services Ltd.  
Fundacion Bancaria Caixa d'Estalvis i Pensions de Barcelona  
GAIL (India) Limited  
Gallant Venture Ltd.  
Galp Energia SGPS SA  
Gansu Energy Chemical Co., Ltd.  
Gas Malaysia Berhad  
Gas Natural de Lima y Callao SA  
Gas Networks Ireland  
GasLog Ltd.  
GasLog Partners LP  
Gastar Exploration LLC  
Gaz Capital SA  
Gaz Finance Plc  
Gazprom Neft PJSC  
Gazprom PJSC  
Gazpromneft-Moscow Refinery OJSC  
Gaztransport & Technigaz SA  
GC Treasury Center Co., Ltd.  
GD Power Development Co., Ltd.  
Genel Energy Plc  
Genting Berhad  
Geo Coal International Pte Ltd.  
Geo Energy Resources Limited  
GeoPark Limited  
Georgia Power Co.  
Georgian Oil & Gas Corp. Ltd.  
Geospace Technologies Corporation  
Gestion Securite de Stocks Securite SA  
Gibson Energy Inc.  
GL Limited  
Glencore Capital Finance DAC  
Glencore Finance (Canada) Ltd.  
Glencore Finance (Europe) Ltd.  
Glencore Funding LLC  
Glencore plc  
Global Partners LP  
Global Power Synergy Public Company Limited  
Glow Energy Public Company Limited  
GMR Power & Urban Infra Ltd.  
GOHL Capital Ltd.  
GOIL Plc  
Golar LNG Limited  
Golar LNG Partners LP  
Golden Energy and Resources Limited  
Golden Energy Offshore AS  
Goodrich Petroleum Corporation  
GPN Capital SA  
Gran Tierra Energy Inc.  
Gran Tierra Energy International Holdings Ltd.  
Grandblue Environment Co., Ltd.  
Granite Oil Corp.  
Granite Ridge Resources, Inc.  
Great River Energy

Great Western Petroleum LLC  
Greenidge Generation Holdings Inc.  
Grizzly Energy LLC  
Groupeement d'Interet Economique ENGIE Alliance  
GS Caltex Corp.  
GS Holdings Corp.  
Guangdong Baolihua New Energy Stock Co., Ltd.  
Guangdong Electric Power Development Co., Ltd.  
Guangdong Investment Limited  
Guangdong Zhongnan Iron & Steel Co., Ltd.  
Guanghui Energy Co., Ltd.  
Guangxi Guiguan Electric Power Co., Ltd.  
Guangzhou Development Group, Inc.  
Guizhou Panjiang Refined Coal Co., Ltd.  
Gujarat Gas Ltd.  
Gujarat Mineral Development Corporation Limited  
Gulf Energy Development Public Company Limited  
Gulf International Services QSC  
Gulf Island Fabrication, Inc.  
Gulf Keystone Petroleum Ltd.  
Gulf Marine Services plc  
Gulf South Pipeline Co. LLC  
Gulfport Energy Corporation  
Gulfsands Petroleum Plc  
GVK Power & Infrastructure Limited  
Hafnia Ltd.  
Haimo Technologies Group Corp.  
Hallador Energy Company  
Halliburton Company  
HANJIN HEAVY INDUSTRIES & CONSTRUCTION HOLDINGS Co., Ltd.  
Harbour Energy Plc  
Hargreaves Services plc  
Harvest Oil & Gas Corp.  
Harvest Operations Corp.  
Havila Shipping ASA  
Hawaiian Electric Industries, Inc.  
HD HYUNDAI Co., Ltd.  
HD Hyundai Marine Solution Co., Ltd.  
Headwater Exploration Inc.  
Helix Energy Solutions Group, Inc.  
Hellenic Petroleum Finance Plc  
HELLENiQ ENERGY Holdings SA  
Helmerich & Payne, Inc.  
Henan Shenhua Coal Industry & Electricity Power Corp. Ltd.  
Henan Zhongfu Industrial Co., Ltd.  
Henderson Land Development Company Limited  
Hengli Petrochemical Co., Ltd.  
Hengyuan Refining Company Berhad  
Henson Finance Ltd.  
Hermitage Offshore Services Ltd.  
Hero Asia Investment Ltd.  
Hess Corporation  
Hess Infrastructure Partners LP  
Hess Midstream LP  
Hess Midstream Operations LP  
HF Sinclair Corporation  
Hibiscus Petroleum Berhad  
Hi-Crush Inc.  
Hidili Industry International Development Limited  
High Arctic Energy Services Inc.  
High Peak Royalties Limited  
HighPeak Energy, Inc.  
HighPoint Operating Corp.  
HighPoint Resources Corporation  
Hilcorp Energy I LP  
Hilong Holding Ltd.  
Hindustan Petroleum Corporation Limited  
Hiroshima Gas Co., Ltd.  
HKN Energy Ltd.  
Hoegh Evi Ltd.  
Hokkaido Electric Power Co., Inc.  
Hokkaido Gas Co., Ltd.  
Hokuriku Electric Power Co.  
Holly Energy Partners, L.P.  
Honghua Group Ltd.  
Hopewell Holdings Ltd.  
Horizon Oil Limited



Hornbeck Offshore Services, Inc.  
Hosken Consolidated Investments Ltd.  
Houston American Energy Corp.  
HPCL-Mittal Energy Ltd.  
Huadian Energy Co., Ltd.  
Huadian Power International Corp. Ltd.  
Huaibei Mining Holdings Co., Ltd.  
Huaneng Hong Kong Capital Ltd.  
Huaneng Power International, Inc.  
Hubei Energy Group Co., Ltd.  
Hunter Group ASA  
Hunting Plc  
Hutchison Whampoa Europe Finance [12] Ltd.  
Hutchison Whampoa Europe Finance [13] Ltd.  
Hutchison Whampoa Finance [03/13] Ltd.  
Hutchison Whampoa Finance [05] Ltd.  
Hutchison Whampoa Finance [06] Ltd.  
Hutchison Whampoa Finance [09] Ltd.  
Hutchison Whampoa Finance [14] Ltd.  
Hutchison Whampoa Finance [CI] Ltd.  
Hutchison Whampoa Finance UK Plc  
Hutchison Whampoa International [03/33] Ltd.  
Hutchison Whampoa International [09] Ltd.  
Hutchison Whampoa International [09/16] Ltd.  
Hutchison Whampoa International [09/19] Ltd.  
Hutchison Whampoa International [10] Ltd.  
Hutchison Whampoa International [11] Ltd.  
Hutchison Whampoa International [12] Ltd.  
Hutchison Whampoa International [14] Ltd.  
Hutchison Whampoa International 12 II Ltd.  
HYUNDAI Corp.  
Iberpapel Gestion SA  
Icahn Enterprises Finance Corp.  
Icahn Enterprises LP  
ICD Funding Ltd.  
ICD Sukuk Co. Ltd.  
Icon Offshore Bhd.  
Idemitsu Kosan Co., Ltd.  
IE2 Holdco SAU  
IFM [US] Colonial Pipeline 2 LLC  
IG Seismic Services Ltd.  
Imperial Oil Limited  
IMSK SE  
INA-Industrija nafte dd  
Independence Contract Drilling, Inc.  
Indian Oil Corporation Limited  
Indiana Michigan Power Co.  
Indigo Natural Resources LLC  
Indika Energy Capital III Pte Ltd.  
Indo Energy Finance BV  
Indo Energy Finance II BV  
Indo Integrated Energy II BV  
Indraprastha Gas Limited  
Indus Gas Ltd.  
Inner Mongolia Dian Tou Energy Corp. Ltd.  
Inner Mongolia ERDOS Resources Co., Ltd.  
Inner Mongolia Junzheng Energy & Chemical Group Co., Ltd.  
Inner Mongolia Mengdian Huaneng Thermal Power Corp. Ltd.  
Inner Mongolia Yitai Coal Co., Ltd.  
Inner Mongolia Yuan Xing Energy Co., Ltd.  
innogy Finance BV  
INPEX Corp.  
InPlay Oil Corp.  
Inter Pipeline Ltd.  
Inter RAO UES PJSC  
InterGen NV  
International Airport Finance SA  
International Petroleum Corporation  
International Seaways, Inc.  
Interoil Exploration & Production ASA  
Interstate Power & Light Co.  
Investment Corp. of Dubai  
ION Geophysical Corporation  
IPALCO Enterprises, Inc.  
IPIC GMTN Ltd.  
Irkutskenergo JSC  
Iron Bridge Resources, Inc.  
IRPC Public Company Limited  
Island Offshore Shipholding LP  
Israel Electric Corp. Ltd.  
Isramco Negev 2 LP

Isramco, Inc.  
Ithaca Energy Plc  
ITOCHU ENEX CO., LTD.  
Iwatani Corp.  
Izdemir Enerji Elektrik Uretim AS  
Izmir Demir Celik Sanayi AS  
J.O.E.L. Jerusalem Oil Exploration Ltd.  
Jagged Peak Energy LLC  
Jaiprakash Power Ventures Limited  
Japan Drilling Co., Ltd.  
Japan Oil Transportation Co., Ltd.  
Jardine Cycle & Carriage Limited  
Jardine Matheson Holdings Ltd.  
Jardine Strategic Ltd.  
Jastrzebska Spolka Weglowa SA  
Jiangsu Expressway Company Limited  
Jiangsu Guoxin Corp. Ltd.  
Jiangxi Hongcheng Environment Co., Ltd.  
Jinneng Holding Shanxi Coal Industry Co., Ltd.  
Jinneng Holding Shanxi Electric Power Co., Ltd.  
Jinneng Science & Technology Co., Ltd.  
Jizhong Energy Resources Co., Ltd.  
JKX Oil & Gas Ltd.  
John Sevier Combined Cycle Generation LLC  
John Wood Group Plc  
Jointo Energy Investment Co., Ltd. Hebei  
Jonah Energy LLC  
Jones Energy Finance Corp.  
Jones Energy Holdings LLC  
Jones Energy II, Inc.  
Jones Energy, Inc.  
Journey Energy Inc.  
JSW Energy Limited  
Jutal Offshore Oil Services Ltd.  
K N Capital Trust III  
K&O Energy Group, Inc.  
Kallpa Generacion SA  
Kangaroo Resources Pty Ltd.  
Karoon Energy Ltd.  
KazMunaiGas Exploration Production JSC  
KazMunaiGaz Finance Sub BV  
K-Electric Ltd.  
Kelt Exploration Ltd.  
KENON HOLDINGS LTD.  
Keppel Infrastructure Trust  
Key Energy Services, Inc.  
Keyera Corp.  
Keyfield International Bhd.  
KeySpan Gas East Corp.  
Kimbrell Royalty Partners LP  
Kimou Environmental Holding Limited  
Kinder Morgan Energy Partners LP  
Kinder Morgan Finance Co. LLC  
Kinder Morgan Management LLC  
Kinder Morgan, Inc.  
Kinetic Development Group Limited  
Kinetik Holdings Inc.  
Kingsland Energy Corp.  
Kiwetinohek Energy Corp.  
KLX Energy Services Holdings, Inc.  
KNM Group Berhad  
Koc Holding A.S.  
Kodiak Gas Services, Inc.  
KOKS Finance DAC  
Koks PJSC  
Kolibri Global Energy Inc.  
Korea East-West Power Co., Ltd.  
Korea Electric Power Corp.  
Korea Gas Corp.  
Korea National Oil Corp.  
KOSMOS ENERGY LTD.  
Kot Addu Power Co. Ltd.  
Kreuz Holdings Ltd.  
KrisEnergy Ltd.  
Kukdong Oil & Chemicals Co., Ltd.  
KunLun Energy Company Limited  
Kuwait Energy Plc  
Kuzbasskaya Toplivnaya Kompaniya PJSC  
Kvaerner ASA  
Kyoei Tanker Co., Ltd.  
KyungDong Invest Co., Ltd.  
Lamprell Plc  
Lanka IOC PLC  
Latina Offshore Holding Ltd.  
Lea Power Partners LLC

Legacy Reserves LP  
Leucrotta Exploration Inc.  
LG&E & KU Energy LLC  
Liaoning Cheng Da Co., Ltd.  
Liberty Energy Inc.  
Liberty Utilities Co.  
Liberty Utilities Finance GP1  
Lilis Energy, Inc.  
Lime Petroleum AS  
Linea Group Holding SpA  
Liquefied Natural Gas Limited  
Listrindo Capital BV  
LLPL Capital Pte Ltd.  
Lonestar Resources America, Inc.  
Lonestar Resources US, Inc.  
Lopez Holdings Corporation  
Louisville Gas & Electric Co.  
Lubelski Wegiel BOGDANKA SA  
Lucky Cement Ltd.  
Luenmei Quantum Co., Ltd.  
LUKOIL International Finance BV  
LX International Corp.  
Macquarie Infrastructure Holdings, LLC  
Madrilena Red de Gas Finance BV  
Madrilena Red de Gas SAU  
Magellan Midstream Partners, L.P.  
Magnolia Oil & Gas Corporation  
Magnolia Oil & Gas Operating LLC  
Magnora ASA  
Magseis Fairfield ASA  
Maha Energy AB  
Mahanagar Gas Limited  
Majapahit Holding BV  
Malakoff Corporation Berhad  
Malaysia Marine & Heavy Engineering Holdings Bhd.  
Mammoth Energy Services, Inc.  
Mamoura Diversified Global Holding PJSC  
Mangalore Refinery & Petrochemicals Ltd.  
Manila Electric Co.  
Manitok Energy, Inc.  
Marathon Oil Corporation  
Marathon Petroleum Corporation  
Mari Petroleum Co. Ltd.  
Maridive & Oil Services SAE  
Marine & General Berhad  
MarkWest Energy Finance Corp.  
MarkWest Energy Partners LP  
Martin Midstream Partners LP  
Matador Resources Company  
Maverick Natural Resources LLC  
MC Finance Australia Pty Ltd.  
MC Mining Limited  
McCoy Global Inc.  
MDGH-GMTN BV  
MDU Resources Group, Inc.  
Mechel PAO  
Medco Oak Tree Pte Ltd.  
Medco Platinum Road Pte Ltd.  
Medco Strait Services Pte Ltd.  
MEG Energy Corp.  
Mega Advance Investments Ltd.  
Meiwa Corp.  
Memorial Production Finance Corp.  
Mesquite Energy, Inc.  
Metinvest BV  
Metro Pacific Investments Corporation  
Mexico Generadora de Energia S de RL  
MGE Energy, Inc.  
Midcontinent Express Pipeline LLC  
Midland Cogeneration Venture LP  
MIE Holdings Corporation  
MIND Technology, Inc.  
Mississippi Power Co.  
Mitani Corp.  
Mitsui & Co., Ltd.  
Mitsui Matsushima Holdings Co., Ltd.  
Mitsuiuroko Group Holdings Co., Ltd.  
MJL Bangladesh Plc  
MMA Offshore Limited  
MNRL Sub, Inc.  
Mo-BRUK SA  
MODEC, Inc.  
MOL Group Finance SA  
MOL Hungarian Oil & Gas Plc  
Molecular Energies Plc



Molopo Energy Limited  
Mongolia Energy Corporation Limited  
Mongolian Mining Corporation  
Monongahela Power Co.  
Mosenergo OAO  
Moss Creek Resources Holdings, Inc.  
Motiva Enterprises LLC  
Motor Oil (Hellas) Corinth Refineries SA  
MPLX LP  
MSU Energy SA  
Murphy Oil Corporation  
Murphy Oil USA, Inc.  
Murphy USA Inc.  
Murray Energy Corporation  
Nabors Industries Ltd.  
NACCO Industries, Inc.  
Naftogaz of Ukraine NJSC  
Naphtha Israel Petroleum Corp. Ltd.  
National Energy Services Reunited Corp.  
National Fuel Gas Company  
National Gas & Industrialization Co.  
National Gas Transmission Plc  
National Grid North America, Inc.  
National Petroleum Co., Ltd.  
National Refinery Ltd.  
Natural Resource Partners LP  
Naturel Gaz Sanayi ve Ticaret AS  
Nava Limited  
Navigator Holdings Ltd.  
Navios Maritime Acquisition Corporation  
Navios South American Logistics, Inc.  
Nayara Energy Ltd.  
NCS Multistage Holdings, Inc.  
Nederlandse Gasunie NV  
Neova Oy  
Neptune Energy Bondco Plc  
Neptune Energy Group Ltd.  
NET4GAS sro  
NeuRizer Ltd  
Nevada Power Co.  
New Fortress Energy Inc.  
New Hope Corporation Limited  
New Jersey Resources Corporation  
Newcastle Coal Infrastructure Group Pty Ltd.  
Newmed Energy LP  
NewOcean Energy Holdings Limited  
NextDecade Corporation.  
NexTier Oilfield Solutions Inc.  
NGL Energy Partners LP  
NGPL PipeCo LLC  
Niko Resources Ltd.  
Nine Energy Service, Inc.  
Ningxia Baofeng Energy Group Co., Ltd.  
Nippon Coke & Engineering Co., Ltd.  
Nippon Express Holdings, Inc.  
Nippon Gas Co., Ltd. [8174]  
NLC India Ltd.  
Noble Corporation plc  
Noble Energy, Inc.  
Nordic American Tankers Limited  
Norshore Atlantic BV  
Nortegas Energia Distribucion SA  
North American Construction Group Ltd.  
North Atlantic Drilling Ltd.  
North Energy ASA  
North Huajin Chemical Industries Co., Ltd.  
North Queensland Export Terminal Pty Ltd.  
North West Redwater Partnership, Inc.  
Northern Drilling Ltd.  
Northern Electric Finance Plc  
Northern Gas Networks Finance Plc  
Northern Gas Networks Ltd.  
Northern Natural Gas Co.  
Northern Ocean Ltd.  
Northern Oil and Gas, Inc.  
Northern States Power Co.  
North-Star International Co., Ltd.  
Northwest Natural Gas Co.  
Northwest Pipeline LLC  
NorthWestern Energy Group, Inc.  
Nostrum Oil & Gas Finance BV  
Nostrum Oil & Gas Plc  
NOV Inc.  
Novatek Finance DAC  
NOVATEK JSC  
NSG Holdings II LLC

NTPC Limited  
NuStar Energy L.P.  
NuStar Logistics LP  
Nuverra Environmental Solutions, Inc.  
NuVista Energy Ltd.  
NV Energy, Inc.  
NWF Group Plc  
Oando Plc  
Obsidian Energy Ltd.  
Occidental Petroleum Corporation  
Ocean Yield AS  
Oceaneering International, Inc.  
OCV Recovery AS  
Odas Elektrik Uretim Sanayi Ticaret AS  
Odfjell Drilling Ltd.  
Odfjell Technology Ltd.  
Offshore Drilling Holding SA  
Offshore Oil Engineering Co., Ltd.  
OGE Energy Corp.  
Oglethorpe Power Corp.  
Oil & Gas Development Co. Ltd.  
Oil & Natural Gas Corp. Ltd.  
Oil Co. LUKOIL PJSC  
Oil India Limited  
Oil Refineries Ltd.  
Oil Search Ltd.  
Oil States International, Inc.  
OKEA ASA  
Okeanis Eco Tankers Corp.  
Oklahoma Gas & Electric Co.  
Old ANR LLC  
Oleoducto Central SA  
Olympic Subsea KS  
OMV AG  
OMV Petrom SA  
ONE Gas, Inc.  
ONEOK Partners LP  
ONEOK, Inc.  
ONGC Videsh Ltd.  
ONICO SA  
Ontario Power Generation, Inc.  
OPC Energy Ltd.  
OPE KAG Finance Sub, Inc.  
Operateur de reseaux denergies SCRL  
Ophir Energy Ltd. (United Kingdom)  
OPUS GLOBAL Nyrt.  
Orazul Energia Peru S.A.C  
Organizacion Terpel SA  
Oriental Energy Co., Ltd.  
Origin Energy Finance Ltd.  
Origin Energy Limited  
ORLEN Capital AB  
ORLEN SA  
ORLEN Unipetrol as  
Orsknefteorgsintez PJSC  
Orygen Peru SAA  
Osaka Gas Co., Ltd.  
OSX Brasil SA  
Otter Tail Corporation  
Otto Energy Limited  
Overseas Shipholding Group, Inc.  
Ovintiv Canada ULC  
Ovintiv Exploration, Inc.  
Ovintiv Inc.  
OW Bunker A/S  
PACC Offshore Services Holdings Ltd.  
Pacific Drilling First Lien Escrow Issuer Ltd.  
Pacific Drilling SA  
Pacific Drilling V Ltd.  
Pacific Energy Limited  
Pacific Radiance Ltd.  
PacifiCorp  
Padma Oil Co. Ltd.  
Painted Pony Energy Ltd.  
Pakistan Oilfields Ltd.  
Pakistan Petroleum Ltd.  
Pakistan State Oil Co. Ltd.  
Pampa Energia SA  
Pan American Energy SL  
Panhandle Eastern Pipe Line Co. LP  
Panoche Energy Center LLC  
Panoro Energy ASA  
Panthoeon Resources plc  
Par Pacific Holdings, Inc.  
Paragon Offshore plc  
Paramount Resources Ltd.

Paratus Energy Services Ltd.  
Parex Resources Inc.  
Park Elektrik Uretim Madencilik Sanayi ve Ticaret AS  
Parker Drilling Co.  
Parkland Corporation  
Parsley Energy LLC  
Parsley Energy LP  
Parsley Energy, Inc.  
Pason Systems Inc.  
Patterson-UTI Energy, Inc.  
Paz Oil Co. Ltd.  
PBF Energy Inc.  
PBF Holding Co. LLC  
PBF Logistics LP  
PC Financial Partnership  
Peabody Energy Australia PCI Pty Ltd.  
Peabody Energy Corporation  
PECO Energy Co.  
PEDEVCO Corp.  
Pembina Pipeline Corporation  
Pemex Project Funding Master Trust  
Pengrowth Energy Corporation  
Perak Transit Berhad  
Perdana Petroleum Berhad  
Perennial Energy Holdings Limited  
Permian Resources Corporation  
Permian Resources Operating LLC  
Perpetual Energy Inc.  
Peru LNG SRL  
Petmin Ltd.  
Petra Energy Bhd.  
Petro River Oil Corp.  
Petro Welt Technologies AG  
Petrobras Global Finance BV  
Petrobras International Finance Co.  
Petroceltic International Ltd. (Ireland)  
PetroChina Company Limited  
Petrol dd Ljubljana  
Petroleo Brasileiro SA  
Petroleos de Venezuela SA  
Petroleos Del Peru - Petroperu SA  
Petroleos Mexicanos EPE  
Petrolia SE  
Petroliam Nasional Bhd.  
Petrolina (Holdings) Public Ltd.  
Petrolympic Ltd.  
Petron Corp.  
Petron Malaysia Refining & Marketing Bhd.  
PETRONAS Capital Ltd.  
PETRONAS Dagangan Berhad  
PETRONAS Gas Berhad  
Petronas Global Sukuk Ltd.  
Petronor E&P ASA  
PetroQuest Energy, Inc.  
Petroreconcavo SA  
Petrosibir AB  
PetroTal Corp.  
Petroteq Energy Inc.  
PetroVietnam Drilling & Well Services JSC  
Petrovietnam Gas JSC  
Petrovietnam Power Corp.  
PetroVietnam Power Nhon Trach 2 JSC  
PetroVietnam Technical Services Corp.  
Petrovietnam Transportation Corp.  
Peyto Exploration & Development Corp.  
PGE Sweden AB  
PGNiG Finance AB  
PGS ASA  
Pharos Energy Plc  
PHBS Ltd.  
PHI Aviation LLC  
Phillips 66  
Phillips 66 Partners LP  
Phoenix Global Resources Ltd.  
PHX Energy Services Corp.  
PHX Minerals Inc.  
Pine Cliff Energy Ltd.  
Ping Petroleum UK Plc  
Pingdingshan Tianan Coal Mining Co., Ltd.  
Pioneer Energy Services Corp.  
Pioneer Natural Resources Company  
PKM Canada Ltd.  
Plains All American Pipeline, L.P.  
Polskie Gornictwo Naftowe i Gazownictwo SA  
Polytec Asset Holdings Limited



POSCO Future M Co., Ltd.  
Power Assets Holdings Limited  
PPL Capital Funding, Inc.  
PPL Corporation  
Prairie Provident Resources, Inc.  
PrairieSky Royalty Ltd.  
Prax Upstream Ltd.  
Preem Holding AB  
Press Corporation Plc  
Prima Marine Public Company Limited  
PrimeEnergy Resources Corporation  
PRIO SA  
Productive Technologies Company Limited  
Profire Energy, Inc.  
ProFrac Holding Corp.  
Promigas SA ESP  
ProPetro Holding Corp.  
Prosafte SE  
PSEG Power LLC  
PT ABM Investama Tbk  
PT Adaro Energy Indonesia Tbk  
PT Adaro Indonesia  
PT Adaro Minerals Indonesia  
PT Alfa Energi Investama Tbk  
PT Astra International Tbk  
PT Bayan Resources Tbk  
PT Berau Coal Energy  
PT Borneo Lumbung Energi & Metal  
PT Bukit Asam Tbk  
PT Bukit Makmur Mandiri Utama  
PT Bumi Resources Tbk  
PT Cikarang Listrindo Tbk  
PT Delta Dunia Makmur Tbk  
PT Dian Swastatika Sentosa Tbk  
PT Elnusa Tbk  
PT Energi Mega Persada Tbk  
PT ESSA Industries Indonesia Tbk  
PT Golden Eagle Energy TBK  
PT Golden Energy Mines Tbk  
PT Harum Energy Tbk  
PT Indika Energy Tbk  
PT Indo Tambangraya Megah Tbk  
PT Indomobil Sukses Internasional Tbk  
PT Indonesia Asahan Aluminium (Persero)  
PT Kawasan Industri Jababeka Tbk  
PT Krakatau Steel (Persero) Tbk  
PT Medco Energi Internasional Tbk  
PT MNC Asia Holding Tbk  
PT Pelayaran Tamarin Samudra Tbk  
PT Pertamina (Persero)  
PT Perusahaan Gas Negara Tbk  
PT Perusahaan Listrik Negara (Persero)  
PT Petrindo Jaya Kreasi Tbk  
PT Rukun Raharja Tbk  
PT Saka Energi Indonesia  
Pt Sugih Energy Tbk  
PT Timah Tbk  
PT Trada Alam Minera Tbk  
PT United Tractors Tbk  
PTG Energy Public Co. Ltd.  
PTT Exploration and Production Public Company Limited  
PTT Global Chemical Plc  
PTT Oil and Retail Business Public Company Limited  
PTT Public Co., Ltd.  
PTTEP Canada International Finance Ltd.  
PTTEP Treasury Center Co., Ltd.  
Public Service Company of Colorado  
Public Service Company of New Mexico  
Public Service Electric & Gas Co.  
Puget Energy, Inc.  
Puget Sound Energy, Inc.  
PXP Energy Corporation  
PAA Finance Corp.  
Qalaa For Financial Investments [S.A.E.]  
Qatar Electricity & Water Co.  
Qatar Fuel-Woqod QSC  
Qatar Gas Transport Co.  
QatarEnergy LNG S[1]  
QazaqGaz National Co. JSC  
QEP Resources, Inc.  
Questerre Energy Corporation  
Quinenco SA  
Quintana Energy Services, Inc.  
Rabigh Refining & Petrochemical Co.

Raffinerie Heide GmbH  
Raizen Energia SA  
Raizen Fuels Finance SA  
Raizen SA (Brazil)  
Ramaco Resources, Inc.  
Range Resources Corporation  
Ranger Energy Services, Inc.  
Ranger Oil Corporation  
Ranhill Utilities Bhd.  
RATCH Group Public Co., Ltd.  
Rattler Midstream LP  
Reach Energy Berhad  
Reach Subsea ASA  
Red Oak Power LLC  
Redexis Gas Finance BV  
Redexis SAU  
Refineria La Pampilla SAA  
Refrigeration Electrical Engineering Corp.  
Regency Energy Finance Corp.  
Regency Energy Partners LP  
Reliance Holding USA, Inc.  
Reliance Industries Ltd.  
Reliance Infrastructure Limited  
Reliance Power Limited  
REN Finance BV  
Repsol International Finance BV  
Repsol SA  
Rex Energy Corp.  
Rex International Holding Limited  
RGC Resources, Inc.  
Rhino Resource Partners LP  
Ridgebury Crude Tankers LLC  
Riley Exploration Permian, Inc.  
Ring Energy, Inc.  
Riviera Resources, Inc.  
RM Partners LP  
RN Holding QJSC  
Roadster Finance DAC  
Roan Resources, Inc.  
Rockhopper Exploration Plc  
Rockies Express Pipeline LLC  
Rockpoint Gas Storage Canada Ltd.  
Romp petrol Refinare SA  
Rosehill Resources Inc.  
Rosneft Finance SA  
Rosneft International Finance Ltd.  
ROSNEFT International Ltd.  
Rosneft Oil Co.  
Rowan Cos. LLC  
Royale Energy, Inc.  
RS Energy KK  
Rubis Energy Kenya Plc  
Rubis Terminal  
Ruby Pipeline LLC  
Ruweis Power Co. PJSC  
RWEE AG  
S.D. Standard ETC Plc  
Sabal Trail Transmission LLC  
Sabine Oil & Gas Corp.  
Sabine Pass Liquefaction LLC  
Sabine Pass LNG LP LLC  
Sadovaya Group  
SAExploration Holdings, Inc.  
Saipem Finance International BV  
Saipem SpA  
Sakari Resources Ltd.  
Sala Corp.  
Salungano Group Ltd.  
Samchully Co., Ltd.  
Samruk-Energy JSC  
Samson Oil & Gas Limited  
Samyak International Ltd.  
San Diego Gas & Electric Co.  
San Leon Energy PLC  
San Miguel Corporation  
SAN-AI DBBLI Co., Ltd.  
SandRidge Energy, Inc.  
Sanjel Corp.  
Santos Finance Ltd.  
Santos Limited  
Sapura Energy Berhad  
Saras SPA  
Saratov Oil & Refinery PJSC  
Sasol Financing International Ltd.  
Sasol Financing USA LLC  
Sasol Ltd.

Saturn Oil & Gas Inc.  
Saudi Arabian Oil Co.  
Saudi Aramco Base Oil Co.  
Saudi Automotive Services Co.  
Saudi Electricity Co.  
Saudi Electricity Global Sukuk Co. - 2  
Saudi Electricity Global Sukuk Co. - 3  
Savanna Energy Services Corp.  
SBM Offshore NV  
SCANA Corp.  
Schahin II Finance Co. [SPV] Ltd.  
Schlumberger Finance BV  
Schlumberger Finance Canada Ltd.  
Schlumberger Finance France SAS  
Schlumberger Holdings Corp.  
Schlumberger Investment SA  
Schlumberger NV  
Scomi Group Bhd.  
Scorpio Tankers Inc.  
Scotland Gas Networks Plc  
Scottish Power Ltd.  
SD International Sukuk Ltd.  
SDIC Power Holdings Co., Ltd.  
Sea Trucks Group Ltd.  
Sea1 Offshore, Inc.  
SeaBird Exploration Plc  
SEACOR Marine Holdings Inc.  
Seacrest Petroleo Bermuda Ltd.  
Seadrill Limited  
Seapeak LLC  
SeaRiver Maritime Financial Holdings, Inc.  
Seitel, Inc.  
Select Water Solutions, Inc.  
Sembcorp Industries Ltd.  
SemGroup, LLC  
Semirara Mining & Power Corp.  
Senex Energy Limited  
Seobu T&D Co., Ltd.  
SEOUL CITY GAS CO., LTD.  
Seplat Energy Plc  
Serba Dinamik Holdings Berhad  
Serica Energy plc  
Sevan Drilling Ltd.  
Seven Energy Finance Ltd.  
Seven Energy International Ltd.  
Seven Energy Ltd.  
SFL Corporation Ltd  
SGC Energy Co., Ltd.  
SGSP [Australia] Assets Pty Ltd.  
Shamal Az-Zour Al-Oula Power & Water Co.  
KSCP  
Shamaran Petroleum Corp.  
Shan Xi Hua Yang Group New Energy Co. Ltd.  
Shandong Energy Australia Pty Ltd.  
Shandong Energy Group Co., Ltd.  
Shandong Xinchao Energy Corp. Ltd.  
Shanghai Datun Energy Resources Co., Ltd.  
Shanghai Dazhong Public Utilities (Group) Co., Ltd.  
Shanghai Electric Power Co., Ltd.  
Shanxi Coal International Energy Group Co., Ltd.  
Shanxi Coking Coal Energy Group Co., Ltd.  
Shanxi Guoxin Energy Corp. Ltd.  
Shanxi Lanhua Sci-Tech Venture Co., Ltd.  
Shanxi Lu'An Environmental Energy Development Co., Ltd.  
Shanxi Meijin Energy Co., Ltd.  
Shelf Drilling Holdings Ltd.  
Shelf Drilling Ltd.  
Shell Finance [Netherlands] BV  
Shell International Finance BV  
Shell Midstream Partners LP  
Shell Oman Marketing  
Shell Pakistan Ltd.  
Shell Pilipinas Corporation  
Shell Plc  
Shenergy Co., Ltd.  
Shenzhen Energy Group Co., Ltd.  
Shenzhen Gas Corp. Ltd.  
Shenzhen Nanshan Power Co., Ltd.  
Sherritt International Corporation  
Shikoku Electric Power Co., Inc.  
Shizuoka Gas Co., Ltd.  
Shougang Fushan Resources Group Limited  
Shaanxi Coal Industry Co., Ltd.



Shaanxi Energy Investment Co., Ltd.  
Siamgas and Petrochemicals Public Company Limited  
SIBUR Holding JSC  
SIBUR Securities DAC  
Sichuan Expressway Company Limited  
Sidewinder Drilling LLC  
Sierra Pacific Power Co.  
Silver Elephant Mining Corp.  
SilverBow Resources, Inc.  
Simba Essel Energy, Inc.  
SINANEN Holdings Co., Ltd.  
Sino Gas & Energy Holdings Ltd.  
Sino Oil and Gas Holdings Limited  
Sinopec Capital Co., Ltd.  
Sinopec Group Overseas Development (2012) Ltd.  
Sinopec Group Overseas Development (2013) Ltd.  
Sinopec Group Overseas Development (2014) Ltd.  
Sinopec Group Overseas Development (2015) Ltd.  
Sinopec Group Overseas Development (2016) Ltd.  
Sinopec Group Overseas Development (2017) Ltd.  
Sinopec Group Overseas Development (2018) Ltd.  
Sinopec Kantons Holdings Limited  
Sinopec Oilfield Service Corporation  
Sinopec Shanghai Petrochemical Company Limited  
Sintana Energy Inc.  
SK Discovery Co. Ltd.  
SK E&S Co., Ltd.  
SK Innovation Co., Ltd.  
SK, Inc.  
Slavneft-Yaroslavnefteorgsintez PJSC  
Slovensky plynarensky Priemysel AS  
Slovnaft AS  
SM Energy Company  
Smart Sand, Inc.  
SMC Global Power Holdings Corp.  
Societatea Nationala de Gaze Naturale ROMGAZ SA  
S-Oil Corp.  
Sojitz Corp.  
Solaris Midstream Holdings LLC  
Songa Offshore SE  
Sonoro Energy Ltd.  
Sound Energy Plc  
Source Energy Services LP  
South Jersey Industries, Inc.  
South32 Ltd.  
South32 Treasury Ltd.  
Southern California Gas Co.  
Southern Company Gas  
Southern Company Gas Capital Corp.  
Southern Gas Corridor CJSC  
Southern Gas Networks Plc  
Southern Kuzbass Coal Co. PJSC  
Southern Natural Gas Co. LLC  
Southern Power Co.  
Southgobi Resources Ltd.  
Southwest Gas Corp.  
Southwest Gas Holdings, Inc.  
Southwestern Electric Power Co.  
Southwestern Energy Company  
Southwestern Public Service Co.  
SP Corp. Ltd.  
Spartan Delta Corp.  
Spectra Energy Partners LP  
SPIC 2016 US Dollar Bond Co. Ltd.  
SPIC 2018 USD Senior Perpetual Bond Co. Ltd.  
SPIC Industry-Finance Holdings Co., Ltd.  
SPIC Luxembourg Latin America Renewable Energy Investment Co.  
Spindletop Oil & Gas Co.  
SPP - distribucia as  
SPP Infrastructure Financing BV  
SPR Finance Corp.  
SPT Energy Group Inc.  
St1 Nordic Oy  
Stanmore Resources Limited  
Star Energy Group Plc

Star Group LP  
Star Petroleum Refining Public Company Limited  
State Oil Company of Azerbaijan Republic  
State Power Investment Corp., Ltd.  
STEAG GmbH  
Stedin Holding NV  
Stena Metall AB  
Stena Metall Finans AB  
STEP Energy Services Ltd.  
Stoneway Capital Corp.  
Storm Resources Ltd.  
Strad Inc.  
Strata Power Corp.  
Strathcona Resources Ltd.  
Strike Energy Limited  
Strong Petrochemical Holdings Limited  
Stronghold Digital Mining, Inc.  
Subsea 7 SA  
Suburban Propane Partners, L.P.  
Sui Northern Gas Pipelines Ltd.  
Sumatec Resources Bhd.  
Sumiseki Holdings, Inc.  
Sumitomo Corp.  
Summit Midstream Corporation  
Summit Midstream Holdings LLC  
Summit Power Ltd.  
SunCoke Energy Partners Finance Corp.  
SunCoke Energy Partners, L.P.  
SunCoke Energy, Inc.  
Suncor Energy Inc.  
Sundance Energy Inc.  
Sunoco Logistics Partners Operations LP  
Sunoco LP  
Sunpower Group Ltd.  
Sunshine Oilsands Ltd.  
Superior Energy Services, Inc.  
Surge Energy Inc.  
Surgutneftegas PJSC  
USCO Public Company Limited  
Swan Energy Limited  
T7 Global Berhad  
Taiheiyo Kouhatsu Inc.  
Taiwan Cogeneration Corp.  
Taki Chemical Co., Ltd.  
Talen Energy Corporation  
Talen Energy Supply LLC  
Talent Yield (Euro) Ltd.  
Talent Yield Investments Ltd.  
Tallgrass Energy Partners LP  
Tallgrass Energy, LP  
Talos Energy Inc.  
Talos Production, Inc.  
Tamarack Valley Energy Ltd.  
Tampa Electric Co.  
Tapstone Energy LLC  
Targa Pipeline Finance Corp.  
Targa Resources Corp.  
Targa Resources Partners Finance Corp.  
Targa Resources Partners LP  
Tatneft PJSC  
TBEA Co., Ltd.  
TC Energy Corporation  
TC PipeLines, LP  
Technip Energies NV  
TECO Finance, Inc.  
Tecpetrol SA  
Teekay Corporation  
Teekay Shuttle Tanker Finance LLC  
Teekay Tankers Ltd.  
Teine Energy Ltd.  
Tellurian Inc.  
Tenaga Nasional Berhad  
Tengizchevroil Finance Co. International Ltd.  
Tengizchevroil Finance Co. SARL  
Tennessee Gas Pipeline Co. LLC  
Tennessee Valley Authority  
Terega SA  
Terega SAS  
Termocandelaria Power SA  
TerraCom Limited  
Territorial Generating Co. No 1 PJSC  
Tervita Corporation  
Tesoro Logistics Finance Corp.  
Tethys Oil AB  
Texas Eastern Transmission LP

TGI International Ltd.  
TGS ASA  
Thai Oil Public Company Limited  
Thaioil Treasury Center Co., Ltd.  
The Brooklyn Union Gas Co.  
The Chugoku Electric Power Co., Inc.  
The Drilling Company of 1972 A/S  
The East Ohio Gas Co.  
The Great Eastern Shipping Company Limited  
The Great Taipei Gas Corp.  
The Hub Power Co. Ltd.  
The Kansai Electric Power Co., Inc.  
The Kenan Advantage Group, Inc.  
The Lanna Resources Public Co., Ltd.  
The LEADCORP, Inc.  
The National Gas Company of Trinidad & Tobago Ltd.  
The Oil & Gas Holding Co. BSC  
The Okinawa Electric Power Co., Inc.  
The Power & Water Utility Co. for Jubail & Yanbu  
The Second Generation Co of the Wholesale Power Market PJSC  
The Southern Company  
The Williams Companies, Inc.  
Third Coast Midstream LLC  
Thunderbird Resources Equity, Inc.  
Thungela Resources Ltd.  
Tian Lun Gas Holdings Limited  
Tiandi Science & Technology Co., Ltd.  
Tianjin Port Development Holdings Limited  
Tidewater Inc.  
Tidewater Renewables Ltd.  
Tipco Asphalt Public Co. Ltd.  
Titan Petrochemicals Group Limited  
TNB Global Ventures Capital Bhd.  
Toa Oil Co., Ltd.  
TOELL Co., Ltd.  
Tokyo Gas Co., Ltd.  
Top Frontier Investment Holdings, Inc.  
Topaz Energy Corp.  
TORC Oil & Gas Ltd.  
TORM A/S  
Torm Plc  
Torrent Power Limited  
Toscana Energy Income Corporation  
Total Energy Services Inc.  
Touchstone Exploration Inc.  
Tourmaline Oil Corp.  
Toyo Kanetsu KK  
TPI Polene Power Public Co., Ltd.  
TPI Polene Public Co. Ltd.  
Trafigura Funding SA  
Trafigura Group Pte Ltd.  
Trans Mountain Corp.  
TransCanada PipeLines Ltd.  
TransCanada Trust  
TransCapitalInvest DAC  
Transcontinental Gas Pipe Line Co. LLC  
Transfar Zhilian Co., Ltd.  
TransGlobe Energy Corporation  
TransMontaigne Partners LLC  
Transneft PJSC  
Transnet SOC Ltd.  
Transocean Guardian Ltd.  
Transocean Ltd.  
Transocean Phoenix 2 Ltd.  
Transocean Pontus Ltd.  
Transocean Poseidon Ltd.  
Transocean Sentry Ltd.  
Transocean, Inc.  
Transportadora de Gas del Norte SA  
Transportadora de Gas del Peru SA  
Transportadora de Gas del Sur SA  
Transportadora de Gas Internacional SA ESP  
TravelCenters of America Inc.  
Trican Well Service Ltd.  
Trinidad Generation Unlimited  
Trinidad Petroleum Holdings Ltd.  
Tsakos Energy Navigation Limited  
Tulip Oil Netherlands Offshore BV  
Tullow Oil Plc  
Turcas Petrol AS  
Turkiye Petrol Rafinerileri AS  
TXNM Energy, Inc.  
U.S. ENERGY CORP.



U.S. Silica Holdings, Inc.  
U.S. Well Services Holdings LLC  
UGI Corporation  
Ultrapar International SA  
Ultrapar Participacoes SA  
Unicorn Capital Partners Ltd.  
UNIMOT SA  
Union Electric Co.  
Uniper SE  
Unipro PJSC  
Unit Corporation  
United Energy Group Limited  
United Refining Co.  
United Strength Power Holdings Limited  
Unitil Corporation  
Up Energy Development Group Limited  
Urals Energy Public Co. Ltd.  
USA Compression Partners LP  
Uzma Berhad  
Valaris Limited  
Valener Inc.  
Valero Energy Corporation  
Valero Energy Partners LP  
Valeura Energy Inc.  
Vallourec SA  
Vantage Drilling Co.  
Vantage Drilling International Ltd.  
Var Energi ASA  
Vector Limited  
Vectren Corp.  
Vedanta Limited  
Vedanta Resources Finance II Plc  
Vedanta Resources Jersey Ltd.  
Vedanta Resources Ltd.  
Velesto Energy Berhad  
Venture Global LNG, Inc.  
Veren, Inc.  
Vermilion Energy Inc.  
Vertex Energy, Inc.  
Via Renewables, Inc.  
Vibra Energia SA  
Vier Gas Transport GmbH  
Viesgo Infraestructuras Energeticas SL  
Vietnam National Petroleum Corp.  
Viking Supply Ships AS

Vimetco NV  
Vine Energy, Inc.  
Viper Energy, Inc.  
Virginia Electric & Power Co.  
Viridian Group FundCo II Ltd.  
Vital Energy, Inc.  
Vitesse Energy, Inc.  
Viva Energy Group Ltd.  
Vivo Energy Ltd.  
Volstad Subsea AS  
VPower Group International Holdings Limited  
VAALCO Energy, Inc.  
W&T Offshore, Inc.  
Wales & West Utilities Finance Plc  
Wales & West Utilities Ltd.  
Warren Resources, Inc.  
Warrior Met Coal, Inc.  
Wasco Berhad  
Washington Gas Light Co.  
Washington H. Soul Pattinson and Company Limited  
Weatherford International LLC  
Weatherford International Ltd. (Bermuda)  
Weatherford International plc  
WEC Energy Group, Inc.  
Welltec A/S  
Wentworth Resources Plc  
Western Energy Services Corp.  
Western Midstream Operating LP  
Western Midstream Partners LP  
Western Refining Logistics LP  
Westmoreland Coal Co.  
Westmoreland Resource Partners LP  
WGL Holdings, Inc.  
WHA Utilities & Power Public Co. Ltd.  
White Energy Company Limited  
White Star Petroleum LLC  
Whitecap Resources Inc.  
Whitehaven Coal Limited  
Wintershall Dea AG  
Wintershall Dea Finance 2 BV  
Wintershall Dea Finance BV  
Wintershall Dea International GmbH  
Wintime Energy Group Co., Ltd.  
Wisconsin Electric Power Company

Wisconsin Power & Light Co.  
Wisconsin Public Service Corp.  
Wison Engineering Services Co. Ltd.  
Wollongong Coal Limited  
Woodside Energy Group Ltd.  
Woodside Finance Ltd.  
World Kinect Corporation  
WPX Energy, Inc.  
Wuchan Zhongda Group Co., Ltd.  
XCD Energy Limited  
Xcel Energy Inc.  
Xiamen International Trade Group Corp. Ltd.  
Xiangcai Co., Ltd.  
Xinjiang Guanghui Industry Investment (Group) Co., Ltd.  
Yanchang Petroleum International Limited  
Yancoal Australia Ltd.  
Yancoal International Resources Development Co., Ltd.  
Yangarra Resources Ltd.  
Yankuang Energy Group Co., Ltd.  
Yankuang Group (Cayman) Ltd.  
Yantai Jereh Oilfield Services Group Co. Ltd.  
Yesco Holdings Co., Ltd.  
Yinson Holdings Berhad  
YPF Energia Electrica SA  
YTL Power International Berhad  
Yuan Heng Gas Holdings Limited  
Yunnan Energy Investment Co., Ltd.  
Z Energy Ltd.  
ZAMET SA  
Zapadoslovenska Energetika as  
Zargon Oil & Gas Ltd.  
Zephyr Energy Plc  
Zhaikunai Finance BV  
Zhaikunai International BV  
Zhejiang Jiahua Energy Chemical Industry Co., Ltd.  
Zhejiang Zheneng Electric Power Co., Ltd.  
Zhengzhou Coal Industry & Electric Power Co., Ltd.  
Zhongrong Xinda Group Co., Ltd.  
Zuhai Holdings Investment Group Limited  
Zion Oil & Gas, Inc.  
AAG Energy Holdings Ltd.

## Fossil Fuel

Fossil fuel, any of a class of hydrocarbon containing materials of biological origin occurring within Earth's crust that can be used as a source of energy. Fossil fuels include coal, petroleum, natural gas, oil shales, bitumens, tar sands, and heavy oils and the fossil fuel exclusions are further defined in the [Exclusion Instruction](#).

### Excluded Investments

2i Rete Gas SpA  
3i Infrastructure PLC  
88 Energy Limited  
A2A SpA  
AB Ignitis Gamyba  
AB Igrene  
Aban Offshore Limited  
ABL Group ASA  
Aboitiz Equity Ventures, Inc.  
Aboitiz Power Corp.  
Abraxas Petroleum Corporation  
Absolute Clean Energy Public Company Limited  
Abterra Ltd.  
Abu Dhabi Crude Oil Pipeline LLC  
Abu Dhabi National Energy Co. PJSC  
Abu Dhabi National Oil Co. for Distribution PJSC  
ACEN Corporation  
ACWA Power Co.  
Adams Resources & Energy, Inc.  
Adani Electricity Mumbai Ltd.  
Adani Enterprises Limited  
Adani Power Limited  
Adani Total Gas Limited  
Ades Holding Co.  
ADNOC Drilling Co. PJSC  
ADNOC Gas Plc  
ADNOC Logistics & Services Plc

Advantage Energy Ltd.  
Aegis Logistics Ltd.  
Aenza SAA  
AES Andes SA  
AES Argentina Generacion SA  
AES El Salvador Trust II  
AES Espana BV  
Africa Oil Corp.  
African Rainbow Minerals Ltd.  
AGL Energy Limited  
Agritrade Resources Limited  
Ahlatci Dogal Gaz Dagitim Enerji ve Yatirim AS  
Al Candelaria (Spain) SLU  
Air Water, Inc.  
Akastor ASA  
Akenerji Elektrik Uretim AS  
Aker ASA  
Aker BP ASA  
Aker Solutions ASA  
Aksa Enerji Uretim AS  
Alabama Power Company  
Alarko Holding AS  
Albanesi SA  
Albioma SA  
Aldrees Petroleum & Transport Services Co.  
Alexandria Mineral Oils Co.  
Algonquin Power & Utilities Corp.  
ALLETE, Inc.

Alliance Holdings GP LP  
Alliance Oil Co., Ltd.  
Alliance Resource Operating Partners LP  
Alliance Resource Partners LP  
Alliant Energy Corporation  
Alon USA Energy, Inc.  
Alpha Metallurgical Resources, Inc.  
Alpiq Holding AG  
Alta Mesa Holdings, LP  
Alta Mesa Resources, Inc.  
AltaGas Ltd.  
Alterra Infrastructure LP  
Alterra Shuttle Tankers LLC  
Altius Minerals Corporation  
Amazing Energy Oil & Gas Co.  
Amec Foster Wheeler Ltd.  
Ameren Corporation  
American Biofuels, Inc.  
American Electric Power Company, Inc.  
American Tanker, Inc.  
AmeriGas Finance LLC  
AmeriGas Partners, L.P.  
Amerisur Resources Ltd.  
Amplify Energy Corp.  
Ampol Limited  
An Hui Wenergy Co., Ltd.  
Anadarko Petroleum Corporation  
Andeavor LLC



Anglo American Capital Plc  
Anglo American plc  
Anhui Hengyuan Coal Industry & Electricity Power Co., Ltd.  
AntarChile SA  
Antero Midstream Corporation  
Antero Midstream Partners LP  
Antero Resources Corporation  
Antero Resources Finance Corp.  
Anton Oilfield Services Group  
APA CORPORATION  
APA Group  
APA Infrastructure Ltd.  
Apache Corp.  
Apache Finance Canada LLC  
Apetra SA  
Appalachian Power Co.  
Approach Resources Inc.  
Aquila Holdings ASA  
ARC Resources Ltd.  
Arch Resources, Inc.  
Archer Ltd.  
Archrock Partners LP  
Archrock, Inc.  
Ardmore Shipping Corporation  
Arizona Public Service Co.  
ARKO Corp.  
Armour Energy Limited  
Arrow Exploration Corp.  
Ascent Resources Utica Holdings LLC  
Ascopiave SpA  
Ashdod Refinery Ltd.  
Asia Cement Corp.  
Aspire Mining Limited  
ATCO Ltd.  
Athabasca Oil Corporation  
Atlantic Petroleum P/F  
Atlantic Power Corporation  
Atlantica Sustainable Infrastructure Plc  
Atlas Energy Group LLC  
Atlas Energy Solutions, Inc.  
Atmos Energy Corporation  
Attock Petroleum Ltd.  
Audax Renovables SA  
Aurizon Network Pty Ltd.  
Aurora LPG Holding AS  
Ausnet Pty Ltd. (Victoria)  
AusNet Services Holdings Pty Ltd.  
AusTex Oil Ltd.  
Australis Oil & Gas Limited  
Autobahn Tank & Rast Gruppe GmbH & Co. KG  
Avance Gas Holding Ltd.  
Avangrid, Inc.  
Avista Corporation  
AWE Pty Ltd.  
AXP Energy Limited  
Aygaz AS  
B.Grimm Power Public Co. Ltd.  
Baker Hughes Company  
Baker Hughes Holdings LLC  
Baltimore Gas & Electric Co.  
Bangchak Corporation Public Company Limited  
Bangchak Sriracha Public Company Limited  
Bangkok Aviation Fuel Services Public Co., Ltd.  
Banpu Power Public Co. Ltd.  
Banpu Public Company Limited  
Barnwell Industries, Inc.  
Bashneft PJSC  
Basic Energy Services, Inc.  
Baskent Dogalgaz Dagitim Gayrimenkul Yatirim Ortakligi AS  
Bathurst Resources Limited  
Battalion Oil Corporation  
Baytex Energy (LP) Ltd.  
Baytex Energy Corp.  
Beach Energy Limited  
Beijing Energy Investment Holdings Ltd.  
Beijing Enterprises Holdings Limited  
Beijing Gas Blue Sky Holdings Limited  
Beijing Haohua Energy Resource Co., Ltd.  
Beijing Jingneng Clean Energy Co., Limited  
Beijing Jingneng Power Co., Ltd.  
Belgelec Finance SA  
Bellis Acquisition Co. Plc  
Berkshire Hathaway Energy Co.

Berry Corporation  
Berry Petroleum Co. LLC  
Bestsun Energy Co., Ltd.  
Bestway Marine & Energy Technology Co., Ltd.  
Bharat Petroleum Corporation Limited  
BHP Billiton Finance (USA) Ltd.  
BHP Billiton Finance BV  
BHP Billiton Finance Ltd.  
BHP Group Limited  
Bighorn Permian Resources LLC  
Biglari Holdings Inc.  
Binh Son Refining & Petrochemical Co. Ltd.  
Binhai Investment Company Limited  
Birchcliff Energy Ltd.  
Bisichi Plc  
Bison Merger Sub I LLC  
BKW AG  
BKW Energie AG  
Black Hills Corporation  
Black Stone Minerals, L.P.  
BlackPearl Resources, Inc.  
Blue Racer Finance Corp.  
Blue Racer Midstream LLC  
Blue Star Helium Limited  
BlueNord ASA  
Bluewater Energy Services BV  
BOA SBL AS  
Boardwalk Pipeline Partners LP  
Boardwalk Pipelines LP  
Bollere SE  
Bonavista Energy Corporation  
Bonterra Energy Corp.  
Borets Finance DAC  
Borr Drilling Ltd.  
Boston Gas Co.  
BOURBON Maritime SASU  
Boustead Holdings Berhad  
Bowen Coking Coal Limited  
BP Capital Markets America, Inc.  
BP Capital Markets BV  
BP Capital Markets Plc  
BP plc  
BPRL International Singapore Pte Ltd.  
Braskem America Finance Co.  
Braskem Finance Ltd.  
Braskem Netherlands Finance BV  
Braskem SA  
Brava Energia  
Brickworks Limited  
Brightoil Petroleum (Holdings) Ltd.  
BRISTOW GROUP INC.  
Brooge Energy Limited  
Brooge Petroleum & Gas Investment Co. FZE  
Brookfield Business Partners LP  
Brookfield Infrastructure Corporation  
Brookfield Infrastructure Finance LLC  
Brookfield Infrastructure Finance ULC  
Brookfield Infrastructure Partners LP  
Brookside Energy Limited  
Bruin E&P Partners LLC  
Buckeye Partners, L.P.  
Bulgarian Energy Holding EAD  
Bumi Armada Berhad  
Bumi Investment Pte Ltd.  
BW Energy Ltd.  
BW Group Ltd.  
BW LPG Ltd.  
BW Offshore Ltd.  
Cactus, Inc.  
Cadent Finance Plc  
Cadogan Energy Solutions Plc  
CalEnergy Generation LLC  
Calfrac Holdings LP  
Calfrac Well Services Ltd.  
California Resources Corporation  
Callon Petroleum Company  
Calpine Corp.  
Calumet, Incorporated  
Camber Energy, Inc.  
Cameron LNG LLC  
Can2 Termik AS  
Canacol Energy Ltd.  
Canadian Natural Resources Limited  
Canadian Utilities Limited  
CanAsia Energy Corp.  
Canvas Energy, Inc.

Capex SA  
Capital Power Corporation  
Capitan Investment Ltd.  
Capricorn Energy Plc  
CARBO Ceramics Inc.  
Cardinal Energy Ltd.  
Carnarvon Energy Limited  
Cenovus Energy Inc.  
CenterPoint Energy Resources Corp.  
CenterPoint Energy, Inc.  
Central Puerto SA  
Centrica Plc  
CEPSA Finance SAU  
Cequence Energy Ltd.  
CES Energy Solutions Corp.  
CESC Ltd.  
CEZ as  
CGN New Energy Holdings Co., Ltd.  
CH Energy Group, Inc.  
ChampionX Corporation  
Chandra Prabhu International Ltd.  
Channel Infrastructure NZ Limited  
Chariot Ltd.  
Cheniere Corpus Christi Holdings LLC  
Cheniere Energy Partners LP  
Cheniere Energy, Inc.  
Chennai Petroleum Corporation Limited  
Chesapeake Energy Corporation  
Chesapeake Utilities Corporation  
Cheung Kong Infrastructure Finance (BVI) Ltd.  
Chevron Corporation  
Chevron U.S.A., Inc.  
China Aviation Oil (Singapore) Corp. Ltd.  
China Coal Energy Company Limited  
China Coal Xinji Energy Co., Ltd.  
China Gas Holdings Limited  
China High Speed Transmission Equipment Group Co., Ltd.  
China HK Power Smart Energy Group Limited  
China Huadian Corp., Ltd.  
China Huadian Overseas Development 2018 Ltd.  
China Huadian Overseas Development Management Co., Ltd.  
China Huaneng Group Co., Ltd.  
China Huarong Energy Company Limited  
China Longyuan Power Group Corp. Ltd.  
China Merchants Energy Shipping Co., Ltd.  
China National Chemical Corp., Ltd.  
China National Petroleum Corp.  
China Oil and Gas Group Limited  
China Oilfield Services Limited  
China Petrochemical Corp.  
China Petroleum & Chemical Corporation  
China Petroleum Engineering Corp.  
China Power Clean Energy Development Company Limited  
China Power International Development Limited  
China Qinfu Group Limited  
China Resources Gas Group Limited  
China Resources Power Holdings Co., Ltd.  
China Risun Group Ltd.  
China Shenhua Energy Company Limited  
China Shenhua Overseas Capital Co., Ltd.  
China Suntien Green Energy Corporation Limited  
China Three Gorges Corp.  
Chord Energy Corporation  
Chubu Electric Power Co., Inc.  
Churchill Mining plc  
Cimarex Energy Co.  
Cimarex Resolute LLC  
CITGO Holding, Inc.  
CITGO Petroleum Corp.  
CITIC Limited  
CITIC Resources Finance [2007] Ltd.  
CITIC Resources Holdings Limited  
Civitas Resources, Inc.  
CK Hutchison Capital Securities [17] Ltd.  
CK Hutchison Capital Securities [Europe] Ltd.  
CK Hutchison Europe Finance [18] Ltd.  
CK Hutchison Europe Finance [21] Ltd.  
CK Hutchison Finance [16] (II) Ltd.  
CK Hutchison Finance [16] Ltd.  
CK Hutchison Group Telecom Finance SA



CK Hutchison Holdings Limited  
CK Hutchison International [16] Ltd.  
CK Hutchison International [17] II Ltd.  
CK Hutchison International [17] Ltd.  
CK Hutchison International [19] (II) Ltd.  
CK Hutchison International [19] Ltd.  
CK Hutchison International [20] Ltd.  
CK Hutchison International [21] Ltd.  
CK Infrastructure Holdings Limited  
CK Power Public Company Limited  
Clean Energy Fuels Corp.  
Clearway Energy Operating LLC  
Clearway Energy, Inc.  
Cleco Corporate Holdings LLC  
Cloud Peak Energy Inc.  
Cloud Peak Energy Resources LLC  
CLP Holdings Limited  
CMS Energy Corporation  
CNAC (HK) Finbridge Co. Ltd.  
CNAC (HK) Synbridge Co., Ltd.  
CNOOC Curtis Funding No. 1 Pty Ltd.  
CNOOC Energy Technology & Services Ltd.  
CNOOC Finance [2003] Ltd.  
CNOOC Finance [2011] Ltd.  
CNOOC Finance [2012] Ltd.  
CNOOC Finance [2013] Ltd.  
CNOOC Finance [2014] ULC  
Cnooc Finance [2015] Australia Pty Ltd.  
CNOOC Finance [2015] U.S.A. LLC  
CNOOC Limited  
CNPC (HK) Overseas Capital Ltd.  
CNPC General Capital Ltd.  
CNRC Capital Ltd.  
CNRC Capitale Ltd.  
CNX Midstream Partners LP  
CNX Resources Corporation  
Coal Energy SA  
Coal India Ltd.  
Cobalt International Energy, Inc.  
Colbun SA  
Colonial Pipeline Co.  
Colorado Interstate Gas Co. LLC  
Comet Ridge Ltd.  
Cometa Energia SA de CV  
Comision Federal de Electricidad SA de CV  
Compagnie de l'Odet SE  
Companhia de Gas de Sao Paulo-Comgas  
Companhia Paranaense de Energia  
Compania Espanola de Petroleos SA  
Compania General de Combustibles SA  
Comstock Resources, Inc.  
Concho Resources Inc.  
Concordia Maritime AB  
Condor Energies Inc.  
Conoco Funding Co.  
ConocoPhillips  
ConocoPhillips Australia Funding Co.  
ConocoPhillips Canada Funding Co. I  
ConocoPhillips Canada Funding Co. II  
ConocoPhillips Co.  
Conoil Plc  
CONSOL Energy Inc.  
Consolidated Edison Company of New York, Inc.  
Consolidated Edison, Inc.  
Constellation Energy Corporation  
Constellation Energy Generation LLC  
Constellation Oil Services Holding SA  
Consumers Energy Company  
Contact Energy Ltd  
Continental Resources, Inc.  
ContourGlobal Ltd.  
ContourGlobal Power Holdings SA  
Conuma Resources Ltd.  
Cool Co. Ltd.  
Cooper Energy Limited  
Core Laboratories Inc.  
Coronado Global Resources Inc.  
Corporacion de Reservas Estrategicas  
Productos Petroliferos  
Corral Petroleum Holdings AB  
Corsa Coal Corp.  
Cosan Finance Ltd.  
Cosan Luxembourg SA  
Cosan Overseas Ltd.  
Cosan SA

COSCO SHIPPING Energy Transportation Co., Ltd.  
COSL Finance [BVI] Ltd.  
COSL Singapore Capital Ltd.  
Cosmo Energy Holdings Co., Ltd.  
Cosmo Oil KK  
Coterra Energy Inc.  
Covey Park Energy LLC  
Covia Holdings LLC  
CQP Holdco LP  
Crescent Energy Company  
Crestwood Equity Partners LP  
Crew Energy Inc.  
CrownRock LP  
CSI Compressco LP  
CU, Inc.  
Cubility AS  
Cumberland Farms, Inc.  
CVR Energy, Inc.  
CVR Refining LLC  
CVR Refining LP  
Cydsa SAB de CV  
Czech Gas Networks Investments SARL  
Daimaru Enawin Co., Ltd.  
Daldrup & Soehne AG  
Dalipal Holdings Limited  
D'Amico International Shipping SA  
Dana Gas PJSC  
Dana Gas Sukuk Ltd.  
Datang International Power Generation Co., Ltd.  
Dawson Geophysical Company  
Dayang Enterprise Holdings Bhd.  
DCC plc  
DCP Midstream LP  
DCP Midstream Operating LP  
DEA Finance SA  
Deep Drilling 1 Pte Ltd.  
Delek & Avner-Yam Thetis Ltd.  
Delek Energy Systems Ltd.  
Delek Group Ltd.  
Delek Logistics Finance Corp.  
Delek Logistics Partners LP  
Delek Overriding Royalty Leviathan Ltd.  
Delek US Energy, Inc.  
Delek US Holdings, Inc.  
Deleum Bhd.  
Delmarva Power & Light Co.  
Delta Natural Gas Co., Inc.  
Delta Oil & Gas, Inc.  
Denbury, Inc.  
Devon Energy Corporation.  
Devon Financing Corp. ULC  
Dexon Technology Public Co., Ltd.  
DHT Holdings, Inc.  
DIALOG Group Berhad  
Diamond Offshore Drilling, Inc.  
Diamond S Shipping, Inc.  
Diamondback Energy, Inc.  
Direct Energie SA  
Diversified Energy Co. Plc  
DMC Global Inc.  
DMCI Holdings, Inc.  
DNO ASA  
DNO North Sea Plc  
DOF ASA  
DOF Group ASA  
DOF Subsea AS  
Dogan Sirketler Grubu Holding AS  
Dolphin Group ASA  
Dominion Energy, Inc.  
Dominion Resources Capital Trust I  
Dominion Resources Capital Trust III  
Dommo Austria GmbH  
Dommo Energia SA  
Dorchester Minerals, L.P.  
Dorian LPG Ltd.  
DT Midstream, Inc.  
DTE Electric Co.  
DTE Energy Company  
Dubai Electricity & Water Authority  
Duke Energy Carolinas LLC  
Duke Energy Corporation  
Duke Energy Florida LLC  
Duke Energy Florida Project Finance LLC  
Duke Energy Ohio, Inc.

Dwellop AS  
Dynegy Finance I, Inc.  
E.A. Technique [M] Berhad  
E.ON International Finance BV  
E.ON SE  
E1 Corp.  
Eagle Energy Inc.  
EARTH INFINITY CO. LTD.  
Earthstone Energy, Inc.  
Eastcomtrans LLP  
Eastern Energy Gas Holdings LLC  
Eastern Gas Transmission & Storage, Inc.  
E-Commodities Holdings Limited  
Ecopetrol SA  
Ecora Resources Plc  
EDC Finance DAC  
Edison Spa  
EDP Finance BV  
EDP-Energias de Portugal SA  
EER Finance, Inc.  
Eesti Energia AS  
EG Global Finance Plc  
EG Group Ltd.  
Egypt Kuwait Holding Co. SAE  
Eidesvik Offshore ASA  
El Paso Electric Company  
El Paso Energy Capital Trust I  
EL5-Energio PJSC  
Electric Power Development Co., Ltd.  
Electricite de France SA  
Electricity Generating Public Company Limited  
Electricity Supply Board Ltd.  
ElectroMagnetic GeoServices ASA  
Elering AS  
Eletson Holdings, Inc.  
Elion Energy Co., Ltd.  
Elomay Capital Ltd.  
Elwood Energy LLC  
Emera Incorporated  
Empire Petroleum Corporation  
Empresa Electrica Angamos SA  
Empresa Nacional del Petroleo SA  
Empresas Copec SA  
Empresas Lipigas SA  
Empresas Publicas de Medellin ESP  
Enable Midstream Partners LP  
Enagas Financiaciones SA  
Enagas SA  
Enauta Participacoes SA  
Enbridge Energy Management LLC  
Enbridge Energy Partners LP  
Enbridge Gas, Inc.  
Enbridge Inc.  
Enbridge Pipelines, Inc.  
EnBW Energie Baden Wuerttemberg AG  
ENBW International Finance BV  
EnCana Holdings Finance Corp.  
Endeavor Energy Resources LP  
Endesa SA  
ENEA SA  
Enefit Green AS  
Enel Americas SA  
Enel Chile SA  
Enel Generacion Chile SA  
ENEOS Holdings, Inc.  
Enerflex Ltd.  
Energia Finance AB  
Energia SA  
Energean Plc  
Energen Corp.  
Energeticky a prumyslovny holding as  
Energia Group Ltd.  
Energia Group NI FinanceCo Plc  
Energia Group NI Holdings Ltd.  
Energie AG Oberoesterreich  
Energijos Skirstymo Operatorius AB  
Energy Earth Public Company Limited  
Energy Resources LLC  
Energy Transfer LP  
Energy Transfer Operating LP  
Energy Ventures GOM LLC  
Energy World Corp. Ltd.  
Enerplus Corporation  
Enerya Enerji AS  
e-netz Suedhessen AG  
Eneva SA



Enexis Holding NV  
ENGIE Brasil Energia SA  
Engie Energia Chile SA  
ENGIE Energia Peru SA  
ENGIE SA  
Engro Corporation Limited  
Eni Finance International SA  
Eni SpA  
Eni USA, Inc.  
Enka Insaat ve Sanayi AS  
EnLink Midstream Finance Corp.  
EnLink Midstream LLC  
EnLink Midstream Partners LP  
ENN Clean Energy International Investment Ltd.  
ENN Energy Holdings Limited  
ENN Natural Gas Co., Ltd.  
EnQuest PLC  
Enservco Corporation  
Ensign Drilling, Inc.  
Ensign Energy Services Inc.  
Enteq Technologies Plc  
Entergy Arkansas LLC  
Entergy Corporation  
Entergy Louisiana LLC  
Entergy Utility Affiliates LLC  
Entergy Utility Property, Inc.  
Enterprise Products Operating LLC  
Enterprise Products Partners LP  
EOG Resources, Inc.  
EP Energy as  
EP Energy Corporation  
EP Energy LLC  
EP Infrastructure as  
EPH Financing International as  
Epsilon Energy Ltd.  
EQM Midstream Partners, LP  
EQT Corporation  
Equinor ASA  
Equital Ltd.  
Equitrans Midstream Corporation  
Erdoel-Lagergesellschaft mbH  
Erin Energy Corp.  
Ervia  
ESB Finance DAC  
Esentia Gas Enterprises S de RL de CV  
Eskom Holdings SOC Ltd.  
Essar Energy Ltd.  
Essential Utilities, Inc.  
Esso  
Etablissements Maurel & Prom SA  
ETC Sunoco Holdings LLC  
Eterna Capital Pte Ltd.  
Eterna Plc  
Eurasia Drilling Co. Ltd.  
Euronav MI II, Inc.  
Euronav NV  
eustream as  
Every Kansas Central, Inc.  
Every, Inc.  
Eversource Energy  
EVN AG  
Evolution Petroleum Corporation  
Evolve Transition Infrastructure LP  
EWE AG  
Excelerate Energy, Inc.  
EXCO Resources, Inc.  
Exillon Energy plc  
EXLP Finance Corp.  
EXMAR NV  
Expro Group Holdings N.V.  
EXTERRAN CORPORATION  
Exterran Energy Solutions LP  
Extraction Oil & Gas, Inc.  
Exxaro Resources Ltd.  
Exxon Mobil Corporation  
FAR Limited  
Feishang Anthracite Resources Limited  
Ferrellgas Finance Corp.  
Ferrellgas LP  
Ferrellgas Partners, L.P.  
Fieldpoint Petroleum Corp.  
First Gen Corporation  
First Pacific Company Limited  
First Philippine Holdings Corporation  
FirstEnergy Corp.

FLEX LNG Ltd.  
Floatel International Ltd.  
Floene Energias SA  
Florida Gas Transmission Co. LLC  
Florida Power & Light Co.  
Fluvius System Operator CV  
Fluxys Belgium SA  
Fluxys SA  
Foran Energy Group Co., Ltd.  
Forbes Energy Services Ltd.  
Foresight Energy LLC  
Foresight Energy LP  
Formosa Petrochemical Corp.  
Formosa Taffeta Co., Ltd.  
Fortis Inc.  
Fortum Oyj  
Forum Energy Technologies, Inc.  
Franco-Nevada Corporation  
Freehold Royalties Ltd.  
Friedrich Vorwerk Group SE  
Frontera Energy Corporation  
Frontline 2012 Ltd.  
Frontline Plc  
FTS International, Inc.  
Fuji Kosan Co., Ltd.  
Fuji Oil Co., Ltd. /5017/  
Fujian Funeng Co., Ltd.  
Fulcrum Utility Services Ltd.  
Fundacion Bancaria Caixa d'Estalvis i Pensions de Barcelona  
GAIL (India) Limited  
Gallant Venture Ltd.  
Galp Energia SGPS SA  
Gansu Energy Chemical Co., Ltd.  
Gas Malaysia Berhad  
Gas Natural de Lima y Callao SA  
Gas Networks Ireland  
GasLog Ltd.  
GasLog Partners LP  
Gastar Exploration LLC  
Gaz Capital SA  
Gaz Finance Plc  
Gazprom Neft PJSC  
Gazprom PJSC  
Gazpromneft-Moscow Refinery OJSC  
Gaztransport & Technigaz SA  
GC Treasury Center Co., Ltd.  
GD Power Development Co., Ltd.  
GEK Terna SA  
Genel Energy Plc  
Genesis Energy Finance Corp.  
Genesis Energy Limited  
Genesis Energy LP  
Genie Energy Ltd.  
Genneia SA  
Genting Berhad  
Geo Coal International Pte Ltd.  
Geo Energy Resources Limited  
GeoPark Limited  
Georgia Power Co.  
Georgian Oil & Gas Corp. Ltd.  
Geospace Technologies Corporation  
Gestion Securite de Stocks Securite SA  
Gibson Energy Inc.  
GL Limited  
Glencore Capital Finance DAC  
Glencore Finance (Canada) Ltd.  
Glencore Finance (Europe) Ltd.  
Glencore Funding LLC  
Glencore plc  
Global Partners LP  
Global Power Synergy Public Company Limited  
Glow Energy Public Company Limited  
GMR Power & Urban Infra Ltd.  
GOHL Capital Ltd.  
GOIL Plc  
Golar LNG Limited  
Golar LNG Partners LP  
Golden Energy and Resources Limited  
Golden Energy Offshore AS  
Goodrich Petroleum Corporation  
GPN Capital SA  
Gran Tierra Energy Inc.  
Gran Tierra Energy International Holdings Ltd.  
Grandblue Environment Co., Ltd.  
Granite Oil Corp.

Granite Ridge Resources, Inc.  
Great River Energy  
Great Western Petroleum LLC  
Greenidge Generation Holdings Inc.  
Grizzly Energy LLC  
Groupement d'Interet Economique ENGIE Alliance  
Grupo Energia Bogota SA ESP  
GS Caltex Corp.  
GS Holdings Corp.  
Guangdong Baolihua New Energy Stock Co., Ltd.  
Guangdong Electric Power Development Co., Ltd.  
Guangdong Investment Limited  
Guangdong Zhongnan Iron & Steel Co., Ltd.  
Guanghui Energy Co., Ltd.  
Guangxi Guiguan Electric Power Co., Ltd.  
Guangzhou Development Group, Inc.  
Guizhou Panjiang Refined Coal Co., Ltd.  
Gujarat Gas Ltd.  
Gujarat Mineral Development Corporation Limited  
Gujarat State Petronet Limited  
Gulf Energy Development Public Company Limited  
Gulf International Services QSC  
Gulf Island Fabrication, Inc.  
Gulf Keystone Petroleum Ltd.  
Gulf Marine Services plc  
Gulf South Pipeline Co. LLC  
Gulfport Energy Corporation  
Gulfsands Petroleum Plc  
GVK Power & Infrastructure Limited  
Hafnia Ltd.  
Haimo Technologies Group Corp.  
Hallador Energy Company  
Halliburton Company  
HANJIN HEAVY INDUSTRIES & CONSTRUCTION HOLDINGS Co., Ltd.  
Hanwa Co., Ltd.  
Harbour Energy Plc  
Hargreaves Services plc  
Harvest Oil & Gas Corp.  
Harvest Operations Corp.  
Havila Shipping ASA  
Hawaiian Electric Industries, Inc.  
HD HYUNDAI Co., Ltd.  
HD Hyundai Marine Solution Co., Ltd.  
Headwater Exploration Inc.  
Helix Energy Solutions Group, Inc.  
Hellenic Petroleum Finance Plc  
HELLENiQ ENERGY Holdings SA  
Helmerich & Payne, Inc.  
Henan Shenhua Coal Industry & Electricity Power Corp. Ltd.  
Henan Zhongfu Industrial Co., Ltd.  
Henderson Land Development Company Limited  
Hengli Petrochemical Co., Ltd.  
Hengyuan Refining Company Berhad  
Henson Finance Ltd.  
Hera SpA  
Hermitage Offshore Services Ltd.  
Hero Asia Investment Ltd.  
Hess Corporation  
Hess Infrastructure Partners LP  
Hess Midstream LP  
Hess Midstream Operations LP  
HF Sinclair Corporation  
Hibiscus Petroleum Berhad  
Hi-Crush Inc.  
Hidili Industry International Development Limited  
High Arctic Energy Services Inc.  
High Peak Royalties Limited  
HighPeak Energy, Inc.  
HighPoint Operating Corp.  
HighPoint Resources Corporation  
Hilcorp Energy I LP  
Hilong Holding Ltd.  
Hindustan Petroleum Corporation Limited  
Hiroshima Gas Co., Ltd.  
HK Electric Investments & HK Electric Investments Ltd.  
HKCG (Finance) Ltd.



|                                                           |                                                 |                                                   |
|-----------------------------------------------------------|-------------------------------------------------|---------------------------------------------------|
| HKN Energy Ltd.                                           | Interstate Power & Light Co.                    | Korea Gas Corp.                                   |
| Hoegh Evi Ltd.                                            | Investment Corp. of Dubai                       | Korea National Oil Corp.                          |
| Hokkaido Electric Power Co., Inc.                         | ION Geophysical Corporation                     | KOSMOS ENERGY LTD.                                |
| Hokkaido Gas Co., Ltd.                                    | IPALCO Enterprises, Inc.                        | Kot Addu Power Co. Ltd.                           |
| Hokuriku Electric Power Co.                               | IPIC GMTN Ltd.                                  | Kreuz Holdings Ltd.                               |
| Holly Energy Partners, L.P.                               | Iren SPA                                        | KrisEnergy Ltd.                                   |
| Honghua Group Ltd.                                        | Irkutskenergo JSC                               | KSK Power Venture Plc                             |
| Hopewell Holdings Ltd.                                    | Iron Bridge Resources, Inc.                     | Kukdong Oil & Chemicals Co., Ltd.                 |
| Horizon Oil Limited                                       | IRPC Public Company Limited                     | KunLun Energy Company Limited                     |
| Hornbeck Offshore Services, Inc.                          | Island Offshore Shipholding LP                  | Kuwait Energy Plc                                 |
| Hosken Consolidated Investments Ltd.                      | Israel Electric Corp. Ltd.                      | Kuzbasskaya Toplivnaya Kompaniya PJSC             |
| Houston American Energy Corp.                             | Isramco Negev 2 LP                              | Kvaerner ASA                                      |
| HPCL-Mittal Energy Ltd.                                   | Isramco, Inc.                                   | Kyoei Tanker Co., Ltd.                            |
| Hrvatska Elektroprivreda dd                               | Italgas Spa                                     | KyungDong Invest Co., Ltd.                        |
| Huadian Energy Co., Ltd.                                  | Italmobiliare SpA                               | Kyushu Electric Power Co., Inc.                   |
| Huadian Power International Corp. Ltd.                    | Ithaca Energy Plc                               | Lamprell Plc                                      |
| Huaibei Mining Holdings Co., Ltd.                         | Itochu Corp.                                    | Lanka IOC PLC                                     |
| Huaneng Hong Kong Capital Ltd.                            | ITOCHU ENEX CO., LTD.                           | Latina Offshore Holding Ltd.                      |
| Huaneng Power International, Inc.                         | Iwatani Corp.                                   | Latvenergo AS                                     |
| Hubei Energy Group Co., Ltd.                              | Izdemir Enerji Elektrik Uretim AS               | Lea Power Partners LLC                            |
| Hunter Group ASA                                          | Izmir Demir Celik Sanayi AS                     | Legacy Reserves LP                                |
| Hunting Plc                                               | J.O.E.L. Jerusalem Oil Exploration Ltd.         | Leucrotta Exploration Inc.                        |
| Hutchison Whampoa Europe Finance [12] Ltd.                | Jagged Peak Energy LLC                          | LG&E & KU Energy LLC                              |
| Hutchison Whampoa Europe Finance [13] Ltd.                | Jaiprakash Power Ventures Limited               | Liaoning Cheng Da Co., Ltd.                       |
| Hutchison Whampoa Finance [03/13] Ltd.                    | Japan Drilling Co., Ltd.                        | Liberty Energy Inc.                               |
| Hutchison Whampoa Finance [05] Ltd.                       | Japan Oil Transportation Co., Ltd.              | Liberty Utilities Co.                             |
| Hutchison Whampoa Finance [06] Ltd.                       | Japan Petroleum Exploration Co., Ltd.           | Liberty Utilities Finance GP1                     |
| Hutchison Whampoa Finance [09] Ltd.                       | Jardine Cycle & Carriage Limited                | Lilis Energy, Inc.                                |
| Hutchison Whampoa Finance [14] Ltd.                       | Jardine Matheson Holdings Ltd.                  | Lime Petroleum AS                                 |
| Hutchison Whampoa Finance [CI] Ltd.                       | Jardine Strategic Ltd.                          | Linea Group Holding SpA                           |
| Hutchison Whampoa Finance UK Plc                          | Jastrzebska Spolka Weglowa SA                   | Liquefied Natural Gas Limited                     |
| Hutchison Whampoa International [03/33] Ltd.              | Jiangsu Expressway Company Limited              | Listrindo Capital BV                              |
| Hutchison Whampoa International [09] Ltd.                 | Jiangsu Guoxin Corp. Ltd.                       | LLPL Capital Pte Ltd.                             |
| Hutchison Whampoa International [09/16] Ltd.              | Jiangxi Hongcheng Environment Co., Ltd.         | Loews Corporation                                 |
| Hutchison Whampoa International [09/19] Ltd.              | Jinneng Holding Shanxi Coal Industry Co., Ltd.  | Lonestar Resources America, Inc.                  |
| Hutchison Whampoa International [10] Ltd.                 | Jinneng Holding Shanxi Electric Power Co., Ltd. | Lonestar Resources US, Inc.                       |
| Hutchison Whampoa International [11] Ltd.                 | Jinneng Science & Technology Co., Ltd.          | Lopez Holdings Corporation                        |
| Hutchison Whampoa International [12] Ltd.                 | Jizhong Energy Resources Co., Ltd.              | Louisville Gas & Electric Co.                     |
| Hutchison Whampoa International [14] Ltd.                 | JKX Oil & Gas Ltd.                              | Lubelski Wegiel BOGDANKA SA                       |
| Hutchison Whampoa International 12 II Ltd.                | John Sevier Combined Cycle Generation LLC       | Lucky Cement Ltd.                                 |
| HYUNDAI Corp.                                             | John Wood Group Plc                             | Luenmei Quantum Co., Ltd.                         |
| Iberpapel Gestion SA                                      | Jointo Energy Investment Co., Ltd. Hebei        | LUKOil International Finance BV                   |
| Icahn Enterprises Finance Corp.                           | Jonah Energy LLC                                | LX International Corp.                            |
| Icahn Enterprises LP                                      | Jones Energy Finance Corp.                      | LYB International Finance BV                      |
| ICD Funding Ltd.                                          | Jones Energy Holdings LLC                       | LYB International Finance II BV                   |
| ICD Sukuk Co. Ltd.                                        | Jones Energy II, Inc.                           | LYB International Finance III LLC                 |
| Icon Offshore Bhd.                                        | Jones Energy, Inc.                              | LyondellBasell Industries N.V.                    |
| IDACORP, Inc.                                             | Journey Energy Inc.                             | Macquarie Infrastructure Holdings, LLC            |
| Idemitsu Kosan Co., Ltd.                                  | JSW Energy Limited                              | Madrikena Red de Gas Finance BV                   |
| IE2 Holdco SAU                                            | Jutal Offshore Oil Services Ltd.                | Madrikena Red de Gas SAU                          |
| IFM [US] Colonial Pipeline 2 LLC                          | K N Capital Trust III                           | Magellan Midstream Partners, L.P.                 |
| IG Seismic Services Ltd.                                  | K&O Energy Group, Inc.                          | Magnolia Oil & Gas Corporation                    |
| Ignitis grupe AB                                          | Kallpa Generacion SA                            | Magnolia Oil & Gas Operating LLC                  |
| Imperial Oil Limited                                      | Kangaroo Resources Pty Ltd.                     | Magnora ASA                                       |
| IMSK SE                                                   | Karoon Energy Ltd.                              | Magseis Fairfield ASA                             |
| INA-Industrija nafte dd                                   | KazMunaiGas Exploration Production JSC          | Maha Energy AB                                    |
| Independence Contract Drilling, Inc.                      | KazMunaiGaz Finance Sub BV                      | Mahanagar Gas Limited                             |
| Indian Oil Corporation Limited                            | K-Electric Ltd.                                 | Majapahit Holding BV                              |
| Indiana Michigan Power Co.                                | Kelt Exploration Ltd.                           | Malakoff Corporation Berhad                       |
| Indigo Natural Resources LLC                              | KENON HOLDINGS LTD.                             | Malaysia Marine & Heavy Engineering Holdings Bhd. |
| Indika Energy Capital III Pte Ltd.                        | Keppel Infrastructure Trust                     | Mammoth Energy Services, Inc.                     |
| Indo Energy Finance BV                                    | Key Energy Services, Inc.                       | Mamoura Diversified Global Holding PJSC           |
| Indo Energy Finance II BV                                 | Keyera Corp.                                    | Mangalore Refinery & Petrochemicals Ltd.          |
| Indo Integrated Energy II BV                              | Keyfield International Bhd.                     | Manila Electric Co.                               |
| Indraprastha Gas Limited                                  | KeySpan Gas East Corp.                          | Manitok Energy, Inc.                              |
| Indus Gas Ltd.                                            | Kimbell Royalty Partners LP                     | Marathon Oil Corporation                          |
| Infraestructura Energetica Nova SAB de CV                 | Kimou Environmental Holding Limited             | Marathon Petroleum Corporation                    |
| Inner Mongolia Dian Tou Energy Corp. Ltd.                 | Kinder Morgan Energy Partners LP                | Mari Petroleum Co. Ltd.                           |
| Inner Mongolia ERDOS Resources Co., Ltd.                  | Kinder Morgan Finance Co. LLC                   | Maridive & Oil Services SAE                       |
| Inner Mongolia Junzheng Energy & Chemical Group Co., Ltd. | Kinder Morgan Management LLC                    | Marine & General Berhad                           |
| Inner Mongolia Mengdian Huaneng Thermal Power Corp. Ltd.  | Kinder Morgan, Inc.                             | MarkWest Energy Finance Corp.                     |
| Inner Mongolia Yitai Coal Co., Ltd.                       | Kinetic Development Group Limited               | MarkWest Energy Partners LP                       |
| Inner Mongolia Yuan Xing Energy Co., Ltd.                 | Kinetik Holdings Inc.                           | Martin Midstream Partners LP                      |
| innogy Finance BV                                         | Kingsland Energy Corp.                          | Marubeni Corp.                                    |
| Innovex International, Inc.                               | Kiwetinohk Energy Corp.                         | Matador Resources Company                         |
| INPEX Corp.                                               | KLX Energy Services Holdings, Inc.              | Matrr Corp.                                       |
| InPlay Oil Corp.                                          | KNM Group Berhad                                | Maverick Natural Resources LLC                    |
| Inter Pipeline Ltd.                                       | Kobe Steel, Ltd.                                | MC Finance Australia Pty Ltd.                     |
| Inter RAO UES PJSC                                        | Koc Holding A.S.                                | MC Mining Limited                                 |
| InterGen NV                                               | Kodiak Gas Services, Inc.                       | McCoy Global Inc.                                 |
| International Airport Finance SA                          | KOKS Finance DAC                                | MDGH-GMTN BV                                      |
| International Petroleum Corporation                       | Koks PJSC                                       | MDU Resources Group, Inc.                         |
| International Seaways, Inc.                               | Kolibri Global Energy Inc.                      | Mechel PAO                                        |
| Interoil Exploration & Production ASA                     | Korea District Heating Corp.                    | Medco Oak Tree Pte Ltd.                           |
|                                                           | Korea East-West Power Co., Ltd.                 | Medco Platinum Road Pte Ltd.                      |
|                                                           | Korea Electric Power Corp.                      |                                                   |



|                                          |                                              |                                                |
|------------------------------------------|----------------------------------------------|------------------------------------------------|
| Medco Strait Services Pte Ltd.           | Newcastle Coal Infrastructure Group Pty Ltd. | Oleoducto Central SA                           |
| MEG Energy Corp.                         | Newmed Energy LP                             | Olympic Subsea KS                              |
| Mega Advance Investments Ltd.            | NewOcean Energy Holdings Limited             | OMV AG                                         |
| Meiwa Corp.                              | Newpark Resources, Inc.                      | OMV Petrom SA                                  |
| Memorial Production Finance Corp.        | NextDecade Corporation.                      | ONE Gas, Inc.                                  |
| Mesquite Energy, Inc.                    | NextEra Energy Capital Holdings, Inc.        | ONEOK Partners LP                              |
| Metinvest BV                             | NextEra Energy Operating Partners LP         | ONEOK, Inc.                                    |
| Metlen Energy & Metals SA                | NextEra Energy Partners, LP                  | ONGC Videsh Ltd.                               |
| Metro Pacific Investments Corporation    | NextEra Energy, Inc.                         | ONICO SA                                       |
| Mexico Generadora de Energia S de RL     | NexTier Oilfield Solutions Inc.              | Ontario Power Generation, Inc.                 |
| MGE Energy, Inc.                         | NGG Finance Plc                              | OPC Energy Ltd.                                |
| MidAmerican Energy Co.                   | NGL Energy Partners LP                       | OPE KAG Finance Sub, Inc.                      |
| MidAmerican Funding LLC                  | NGPL PipeCo LLC                              | Operateur de reseaux denegies SCRL             |
| Midcontinent Express Pipeline LLC        | Niko Resources Ltd.                          | Ophir Energy Ltd. (United Kingdom)             |
| Midland Cogeneration Venture LP          | Nine Energy Service, Inc.                    | OPUS GLOBAL Nyrt.                              |
| MIE Holdings Corporation                 | Ningxia Baofeng Energy Group Co., Ltd.       | Orazul Energia Peru S.A.C                      |
| MIND Technology, Inc.                    | Nippon Coke & Engineering Co., Ltd.          | Organizac ion Terpel SA                        |
| Mississippi Power Co.                    | Nippon Express Holdings, Inc.                | Oriental Energy Co., Ltd.                      |
| Mitani Corp.                             | Nippon Gas Co., Ltd. [8174]                  | Origin Energy Finance Ltd.                     |
| Mitsubishi Corp.                         | NiSource Inc.                                | Origin Energy Limited                          |
| Mitsui & Co., Ltd.                       | NLC India Ltd.                               | ORLEN Capital AB                               |
| Mitsui Matsushima Holdings Co., Ltd.     | Noble Corporation plc                        | ORLEN SA                                       |
| Mitsuuroko Group Holdings Co., Ltd.      | Noble Energy, Inc.                           | ORLEN Unipetro l as                            |
| MJL Bangladesh Plc                       | Nordic American Tankers Limited              | Orsknefteorgsintez PJSC                        |
| MMA Offshore Limited                     | Norshore Atlantic BV                         | Orygen Peru SAA                                |
| MNRL Sub, Inc.                           | Nortegas Energia Distribucion SA             | Osaka Gas Co., Ltd.                            |
| Mo-BRUK SA                               | North American Construction Group Ltd.       | OSX Brasil SA                                  |
| MODEC, Inc.                              | North Atlantic Drilling Ltd.                 | Otter Tail Corporation                         |
| MOL Group Finance SA                     | North Energy ASA                             | Otto Energy Limited                            |
| MOL Hungarian Oil & Gas Plc              | North Huajin Chemical Industries Co., Ltd.   | Overseas Shipholding Group, Inc.               |
| Molecular Energies Plc                   | North Queensland Export Terminal Pty Ltd.    | Ovintiv Canada ULC                             |
| Molopo Energy Limited                    | North West Redwater Partnership, Inc.        | Ovintiv Exploration, Inc.                      |
| Mongolia Energy Corporation Limited      | Northern Drilling Ltd.                       | Ovintiv Inc.                                   |
| Mongolian Mining Corporation             | Northern Electric Finance Plc                | OW Bunker A/S                                  |
| Monongahela Power Co.                    | Northern Gas Networks Finance Plc            | PACC Offshore Services Holdings Ltd.           |
| Mosenergo DAO                            | Northern Gas Networks Ltd.                   | Pacific Drilling First Lien Escrow Issuer Ltd. |
| Moss Creek Resources Holdings, Inc.      | Northern Natural Gas Co.                     | Pacific Drilling SA                            |
| Motiva Enterprises LLC                   | Northern Ocean Ltd.                          | Pacific Drilling V Ltd.                        |
| Motor Oil (Hellas) Corinth Refineries SA | Northern Oil and Gas, Inc.                   | Pacific Energy Limited                         |
| MPC Energy Solutions NV                  | Northern Powergrid Holdings Co.              | Pacific Gas and Electric Company               |
| MPLX LP                                  | Northern States Power Co.                    | Pacific Radiance Ltd.                          |
| MSU Energy SA                            | Northland Power Inc.                         | PacifiCorp                                     |
| Murphy Oil Corporation                   | North-Star International Co., Ltd.           | Padma Oil Co. Ltd.                             |
| Murphy Oil USA, Inc.                     | Northwest Natural Gas Co.                    | Painted Pony Energy Ltd.                       |
| Murphy USA Inc.                          | Northwest Natural Holding Co.                | Pakistan Oilfields Ltd.                        |
| Murray Energy Corporation                | Northwest Pipeline LLC                       | Pakistan Petroleum Ltd.                        |
| MVV Energie AG                           | NorthWestern Energy Group, Inc.              | Pakistan State Oil Co. Ltd.                    |
| Mytilineos Financial Partners SA         | Nostrum Oil & Gas Finance BV                 | Pampa Energia SA                               |
| Nabors Industries Ltd.                   | Nostrum Oil & Gas Plc                        | Pan American Energy SL                         |
| NACCO Industries, Inc.                   | NOV Inc.                                     | Panhandle Eastern Pipe Line Co. LP             |
| Naftogaz of Ukraine NJSC                 | Novatek Finance DAC                          | Panoche Energy Center LLC                      |
| Naphtha Israel Petroleum Corp. Ltd.      | NOVATEK JSC                                  | Panoro Energy ASA                              |
| National Company KazMunayGas JSC         | NRG Energy, Inc.                             | Pantheon Resources plc                         |
| National Energy Services Reunited Corp.  | NSG Holdings II LLC                          | Par Pacific Holdings, Inc.                     |
| National Fuel Gas Company                | NTPC Limited                                 | Paragon Offshore plc                           |
| National Gas & Industrialization Co.     | NuStar Energy L.P.                           | Paramount Resources Ltd.                       |
| National Gas Transmission Plc            | NuStar Logistics LP                          | Paratus Energy Services Ltd.                   |
| National Grid North America, Inc.        | Nuverra Environmental Solutions, Inc.        | Parex Resources Inc.                           |
| National Grid Plc                        | NuVista Energy Ltd.                          | Park Elektrik Uretim Madencilik Sanayi ve      |
| National Petroleum Co., Ltd.             | NV Energy, Inc.                              | Ticaret AS                                     |
| National Power Corp. (Philippines)       | NWF Group Plc                                | Parker Drilling Co.                            |
| National Refinery Ltd.                   | Qando Plc                                    | Parkland Corporation                           |
| Natural Gas Services Group, Inc.         | Obsidian Energy Ltd.                         | Parsley Energy LLC                             |
| Natural Resource Partners LP             | Occidental Petroleum Corporation             | Parsley Energy LP                              |
| Naturelgaz Sanayi ve Ticaret AS          | Ocean Yield AS                               | Parsley Energy, Inc.                           |
| Naturgy Capital Markets SA               | Oceaneering International, Inc.              | Pason Systems Inc.                             |
| Naturgy Energy Group SA                  | OCI Holdings Co. Ltd.                        | Patterson-UTI Energy, Inc.                     |
| Naturgy Finance BV                       | OCV Recovery AS                              | Paz Oil Co. Ltd.                               |
| Nava Limited                             | Odas Elektrik Uretim Sanayi Ticaret AS       | PBF Energy Inc.                                |
| Navigator Holdings Ltd.                  | Odfjell Drilling Ltd.                        | PBF Holding Co. LLC                            |
| Navios Maritime Acquisition Corporation  | Odfjell Technology Ltd.                      | PBF Logistics LP                               |
| Navios South American Logistics, Inc.    | Offshore Drilling Holding SA                 | PC Financial Partnership                       |
| Nayara Energy Ltd.                       | Offshore Oil Engineering Co., Ltd.           | Peabody Energy Australia PCI Pty Ltd.          |
| NCS Multistage Holdings, Inc.            | OGE Energy Corp.                             | Peabody Energy Corporation                     |
| Nederlandse Gasunie NV                   | Oglethorpe Power Corp.                       | PECO Energy Co.                                |
| Neova Oy                                 | Oil & Gas Development Co. Ltd.               | PEDEVCO Corp.                                  |
| Neptune Energy Bondco Plc                | Oil & Natural Gas Corp. Ltd.                 | Pembina Pipeline Corporation                   |
| Neptune Energy Group Ltd.                | Oil Co. LUKOIL PJSC                          | Pemex Project Funding Master Trust             |
| Neste Corp.                              | Oil India Limited                            | Pengrowth Energy Corporation                   |
| NET4GAS sro                              | Oil Refineries Ltd.                          | Perak Transit Berhad                           |
| NeuRizer Ltd                             | Oil Search Ltd.                              | Perdana Petroleum Berhad                       |
| Nevada Power Co.                         | Oil States International, Inc.               | Perennial Energy Holdings Limited              |
| New Fortress Energy Inc.                 | OKEA ASA                                     | Permian Resources Corporation                  |
| New Hope Corporation Limited             | Okeanis Eco Tankers Corp.                    | Permian Resources Operating LLC                |
| New Jersey Resources Corporation         | Oklahoma Gas & Electric Co.                  | Perpetual Energy Inc.                          |
| New York State Electric & Gas Corp.      | Old ANR LLC                                  | Peru LNG SRL                                   |



Petmin Ltd.  
Petra Energy Bhd.  
Petro River Oil Corp.  
Petro Welt Technologies AG  
Petrobras Global Finance BV  
Petrobras International Finance Co.  
Petroceltic International Ltd. (Ireland)  
PetroChina Company Limited  
Petrofac Ltd.  
Petrol dd Ljubljana  
Petroleo Brasileiro SA  
Petroleos de Venezuela SA  
Petroleos Del Peru - Petroperu SA  
Petroleos Mexicanos EPE  
Petrolia SE  
Petroliam Nasional Bhd.  
Petrolina (Holdings) Public Ltd.  
Petrolympic Ltd.  
Petron Corp.  
Petron Malaysia Refining & Marketing Bhd.  
PETRONAS Capital Ltd.  
PETRONAS Dagangan Berhad  
PETRONAS Gas Berhad  
Petronas Global Sukuk Ltd.  
Petronet Lng Limited  
Petronor E&P ASA  
PetroQuest Energy, Inc.  
Petroreconcavo SA  
Petrosibir AB  
PetroTal Corp.  
Petroteq Energy Inc.  
PetroVietnam Drilling & Well Services JSC  
Petrovietnam Gas JSC  
Petrovietnam Power Corp.  
PetroVietnam Power Nhon Trach 2 JSC  
PetroVietnam Technical Services Corp.  
Petrovietnam Transportation Corp.  
Peyto Exploration & Development Corp.  
PG&E Corporation  
PG&E Wildfire Recovery Funding LLC  
PGE Polska Grupa Energetyczna SA  
PGE Sweden AB  
PGNiG Finance AB  
PGS ASA  
Pharos Energy Plc  
PHBS Ltd.  
PHI Aviation LLC  
Phillips 66  
Phillips 66 Partners LP  
Phoenix Global Resources Ltd.  
PHX Energy Services Corp.  
PHX Minerals Inc.  
Pine Cliff Energy Ltd.  
Ping Petroleum UK Plc  
Pingdingshan Tianan Coal Mining Co., Ltd.  
Pinnacle West Capital Corporation  
Pioneer Energy Services Corp.  
Pioneer Natural Resources Company  
PKM Canada Ltd.  
Plains All American Pipeline, L.P.  
Plains GP Holdings, L.P.  
Polenergia SA  
Polskie Gornictwo Naftowe i Gazownictwo SA  
Polytec Asset Holdings Limited  
Portland General Electric Company  
POSCO Future M Co., Ltd.  
Power Assets Holdings Limited  
PPL Capital Funding, Inc.  
PPL Corporation  
Prairie Provident Resources, Inc.  
PrairieSky Royalty Ltd.  
Prax Upstream Ltd.  
Precision Drilling Corporation  
Preem Holding AB  
Press Corporation Plc  
Prima Marine Public Company Limited  
PrimeEnergy Resources Corporation  
PRIO SA  
Productive Technologies Company Limited  
Profire Energy, Inc.  
ProFrac Holding Corp.  
Promigas SA ESP  
ProPetro Holding Corp.  
Prosafe SE  
PSEG Power LLC  
PT ABM Investama Tbk

PT Adaro Energy Indonesia Tbk  
PT Adaro Indonesia  
PT Adaro Minerals Indonesia  
PT AKR Corporindo Tbk  
PT Alfa Energi Investama Tbk  
PT Astra International Tbk  
PT Bayan Resources Tbk  
PT Berau Coal Energy  
PT Borneo Lumbung Energi & Metal  
PT Bukit Asam Tbk  
PT Bukit Makmur Mandiri Utama  
PT Bumi Resources Tbk  
PT Cikarang Listrindo Tbk  
PT Delta Dunia Makmur Tbk  
PT Dian Swastatika Sentosa Tbk  
PT Elnusa Tbk  
PT Energi Mega Persada Tbk  
PT ESSA Industries Indonesia Tbk  
PT Golden Eagle Energy TBK  
PT Golden Energy Mines Tbk  
PT Harum Energy Tbk  
PT Indika Energy Tbk  
PT Indo Tambangraya Megah Tbk  
PT Indomobil Sukses Internasional Tbk  
PT Indonesia Asahan Aluminium (Persero)  
PT Kawasan Industri Jababeka Tbk  
PT Krakatau Steel (Persero) Tbk  
PT Medco Energi Internasional Tbk  
PT MNC Asia Holding Tbk  
PT Pelayaran Tamarin Samudra Tbk  
PT Pertamina (Persero)  
PT Perusahaan Gas Negara Tbk  
PT Perusahaan Listrik Negara (Persero)  
PT Petrindo Jaya Kreasi Tbk  
PT Rukun Raharja Tbk  
PT Saka Energi Indonesia  
Pt Sugih Energy Tbk  
PT Timah Tbk  
PT Trada Alam Minera Tbk  
PT United Tractors Tbk  
PTG Energy Public Co. Ltd.  
PTT Exploration and Production Public Company Limited  
PTT Global Chemical Plc  
PTT Oil and Retail Business Public Company Limited  
PTT Public Co., Ltd.  
PTTEP Canada International Finance Ltd.  
PTTEP Treasury Center Co., Ltd.  
Public Power Corp. Finance Plc  
Public Power Corp. SA  
Public Service Company of Colorado  
Public Service Company of New Mexico  
Public Service Electric & Gas Co.  
Public Service Enterprise Group Incorporated  
Puget Energy, Inc.  
Puget Sound Energy, Inc.  
PXP Energy Corporation  
PAA Finance Corp.  
Qalaa For Financial Investments (S.A.E.)  
Qatar Electricity & Water Co.  
Qatar Fuel-Woqod QSC  
Qatar Gas Transport Co.  
QatarEnergy LNG S[1]  
QazaqGaz National Co. JSC  
QEP Resources, Inc.  
Questerre Energy Corporation  
Quinenco SA  
Quintana Energy Services, Inc.  
Rabigh Refining & Petrochemical Co.  
Raffinerie Heide GmbH  
Raizen Energia SA  
Raizen Fuels Finance SA  
Raizen SA (Brazil)  
Ramaco Resources, Inc.  
Range Resources Corporation  
Ranger Energy Services, Inc.  
Ranger Oil Corporation  
Ranhill Utilities Bhd.  
RATCH Group Public Co., Ltd.  
Rattler Midstream LP  
Reach Energy Berhad  
Reach Subsea ASA  
Red Oak Power LLC  
Redes Energeticas Nacionais SGPS SA  
Redexis Gas Finance BV

Redexis SAU  
Refineria La Pampilla SAA  
Refrigeration Electrical Engineering Corp.  
Regency Energy Finance Corp.  
Regency Energy Partners LP  
Reliance Holding USA, Inc.  
Reliance Industries Ltd.  
Reliance Infrastructure Limited  
Reliance Power Limited  
REN Finance BV  
Repsol International Finance BV  
Repsol SA  
Rex Energy Corp.  
Rex International Holding Limited  
RGC Resources, Inc.  
Rhino Resource Partners LP  
Ridgebury Crude Tankers LLC  
Riley Exploration Permian, Inc.  
Ring Energy, Inc.  
Riviera Resources, Inc.  
RM Partners LP  
RN Holding QJSC  
Roadster Finance DAC  
Roan Resources, Inc.  
Rochester Gas & Electric Corp.  
Rockhopper Exploration Plc  
Rockies Express Pipeline LLC  
Rockpoint Gas Storage Canada Ltd.  
Rompotrol Rafinare SA  
Rosehill Resources Inc.  
Rosneft Finance SA  
Rosneft International Finance Ltd.  
ROSNEFT International Ltd.  
Rosneft Oil Co.  
Rowan Cos. LLC  
Royal Vopak NV  
Royale Energy, Inc.  
RPC, Inc.  
RS Energy KK  
Rubis Energy Kenya Plc  
Rubis SCA  
Rubis Terminal  
Ruby Pipeline LLC  
Ruweis Power Co. PJSC  
RWE AG  
S.D. Standard ETC Plc  
S.N.T.G.N. Transgaz SA  
Sabal Trail Transmission LLC  
Sabine Oil & Gas Corp.  
Sabine Pass Liquefaction LLC  
Sabine Pass LNG LP LLC  
Sadovaya Group  
SAExploration Holdings, Inc.  
Saibu Gas Holdings Co., Ltd.  
Saipem Finance International BV  
Saipem SpA  
Sakari Resources Ltd.  
Sala Corp.  
Salungano Group Ltd.  
Samchully Co., Ltd.  
Samruk-Energy JSC  
Samson Oil & Gas Limited  
Samyak International Ltd.  
San Diego Gas & Electric Co.  
San Leon Energy PLC  
San Miguel Corporation  
SAN-AI OBBLI Co., Ltd.  
SandRidge Energy, Inc.  
Sanjel Corp.  
Santos Finance Ltd.  
Santos Limited  
Sapura Energy Berhad  
Saras SPA  
Saratov Oil & Refinery PJSC  
Sasol Financing International Ltd.  
Sasol Financing USA LLC  
Sasol Ltd.  
Saturn Oil & Gas Inc.  
Saudi Arabian Oil Co.  
Saudi Aramco Base Oil Co.  
Saudi Automotive Services Co.  
Saudi Electricity Co.  
Saudi Electricity Global Sukuk Co. - 2  
Saudi Electricity Global Sukuk Co. - 3  
Savanna Energy Services Corp.  
SBM Offshore NV



SCANA Corp.  
Scan-Inter Public Co. Ltd.  
Schahin II Finance Co. (SPV) Ltd.  
Schlumberger Finance BV  
Schlumberger Finance Canada Ltd.  
Schlumberger Finance France SAS  
Schlumberger Holdings Corp.  
Schlumberger Investment SA  
Schoeller-Bleckmann Oilfield Equipment AG  
Scomi Group Bhd.  
Scorpio Tankers Inc.  
Scotland Gas Networks Plc  
Scottish Power Ltd.  
Scottish Power UK Plc  
SD International Sukuk Ltd.  
SDIC Power Holdings Co., Ltd.  
Sea Trucks Group Ltd.  
Sea1 Offshore, Inc.  
SeaBird Exploration Plc  
SEACOR Marine Holdings Inc.  
Seacrest Petroleo Bermuda Ltd.  
Seadrill Limited  
Seapeak LLC  
SeaRiver Maritime Financial Holdings, Inc.  
Secure Energy Services Inc.  
Seitel, Inc.  
Select Water Solutions, Inc.  
Sembcorp Industries Ltd.  
SemGroup, LLC  
Semirara Mining & Power Corp.  
Semptra  
Semptra Infrastructure Partners LP  
Senex Energy Limited  
Seobu T&D Co., Ltd.  
SEOUL CITY GAS CO., LTD.  
Seplat Energy Plc  
Serba Dinamik Holdings Berhad  
Serica Energy plc  
Sevan Drilling Ltd.  
Seven Energy Finance Ltd.  
Seven Energy International Ltd.  
Seven Energy Ltd.  
SFL Corporation Ltd  
SGC Energy Co., Ltd.  
SGSP (Australia) Assets Pty Ltd.  
Shamal Az-Zour Al-Oula Power & Water Co.  
KSCP  
ShaMaran Petroleum Corp.  
Shan Xi Hua Yang Group New Energy Co. Ltd.  
Shandong Energy Australia Pty Ltd.  
Shandong Energy Group Co., Ltd.  
Shandong Xinchao Energy Corp. Ltd.  
Shanghai Datun Energy Resources Co., Ltd.  
Shanghai Dazhong Public Utilities (Group) Co., Ltd.  
Shanghai Electric Power Co., Ltd.  
Shanxi Coal International Energy Group Co., Ltd.  
Shanxi Coking Coal Energy Group Co., Ltd.  
Shanxi Guoxin Energy Corp. Ltd.  
Shanxi Lanhua Sci-Tech Venture Co., Ltd.  
Shanxi Lu'An Environmental Energy Development Co., Ltd.  
Shanxi Meijin Energy Co., Ltd.  
Shelf Drilling Holdings Ltd.  
Shelf Drilling Ltd.  
Shell Finance (Netherlands) BV  
Shell International Finance BV  
Shell Midstream Partners LP  
Shell Oman Marketing  
Shell Pakistan Ltd.  
Shell Pilipinas Corporation  
Shell Plc  
Shenergy Co., Ltd.  
Shenzhen Energy Group Co., Ltd.  
Shenzhen Gas Corp. Ltd.  
Shenzhen Nanshan Power Co., Ltd.  
Sherritt International Corporation  
Shikoku Electric Power Co., Inc.  
Shizuoka Gas Co., Ltd.  
Shougang Fushan Resources Group Limited  
Shaanxi Coal Industry Co., Ltd.  
Shaanxi Energy Investment Co., Ltd.  
Siamgas and Petrochemicals Public Company Limited  
SIBUR Holding JSC

SIBUR Securities DAC  
Sichuan Expressway Company Limited  
Sidewinder Drilling LLC  
Sierra Pacific Power Co.  
Silver Elephant Mining Corp.  
SilverBow Resources, Inc.  
Simba Essel Energy, Inc.  
SINANEN Holdings Co., Ltd.  
Sino Gas & Energy Holdings Ltd.  
Sino Oil and Gas Holdings Limited  
Sinopec Capital Co., Ltd.  
Sinopec Group Overseas Development (2012) Ltd.  
Sinopec Group Overseas Development (2013) Ltd.  
Sinopec Group Overseas Development (2014) Ltd.  
Sinopec Group Overseas Development (2015) Ltd.  
Sinopec Group Overseas Development (2016) Ltd.  
Sinopec Group Overseas Development (2017) Ltd.  
Sinopec Group Overseas Development (2018) Ltd.  
Sinopec Kantons Holdings Limited  
Sinopec Oilfield Service Corporation  
Sinopec Shanghai Petrochemical Company Limited  
Sintana Energy Inc.  
Sitio Royalties Corp.  
SK Discovery Co. Ltd.  
SK E&S Co., Ltd.  
SK Gas Co., Ltd.  
SK Innovation Co., Ltd.  
SK, Inc.  
Slavneft-Yaroslavnefteorgsintez PJSC  
SLB  
Slovensky plynarensky Priemysel AS  
Slovnaft AS  
SM Energy Company  
Smart Sand, Inc.  
SMC Global Power Holdings Corp.  
SNAM SpA  
Societatea Nationala de Gaze Naturale  
ROMGAZ SA  
S-Oil Corp.  
Sojitz Corp.  
Solaris Energy Infrastructure, Inc.  
Solaris Midstream Holdings LLC  
Solstad Offshore ASA  
Songa Offshore SE  
Sonoro Energy Ltd.  
Sound Energy Plc  
Source Energy Services LP  
South Jersey Industries, Inc.  
South32 Ltd.  
South32 Treasury Ltd.  
Southern California Gas Co.  
Southern Company Gas  
Southern Company Gas Capital Corp.  
Southern Gas Corridor CJSC  
Southern Gas Networks Plc  
Southern Kuzbass Coal Co. PJSC  
Southern Natural Gas Co. LLC  
Southern Power Co.  
Southgobi Resources Ltd.  
Southwest Gas Corp.  
Southwest Gas Holdings, Inc.  
Southwestern Electric Power Co.  
Southwestern Energy Company  
Southwestern Public Service Co.  
SP Corp. Ltd.  
Spartan Delta Corp.  
Spectra Energy Partners LP  
SPIC 2016 US Dollar Bond Co. Ltd.  
SPIC 2018 USD Senior Perpetual Bond Co. Ltd.  
SPIC Industry-Finance Holdings Co., Ltd.  
SPIC Luxembourg Latin America Renewable Energy Investment Co.  
Spindletop Oil & Gas Co.  
Spire Inc.  
SPP - distribucia as  
SPP Infrastructure Financing BV  
SPR Finance Corp.  
SPT Energy Group Inc.

St1 Nordic Oy  
Stanmore Resources Limited  
Star Energy Group Plc  
Star Group LP  
Star Petroleum Refining Public Company Limited  
State Oil Company of Azerbaijan Republic  
State Power Investment Corp., Ltd.  
STEAG GmbH  
Stedin Holding NV  
Stena Metall AB  
Stena Metall Finans AB  
STEP Energy Services Ltd.  
Stoneway Capital Corp.  
Storm Resources Ltd.  
Strad Inc.  
Strata Power Corp.  
Strathcona Resources Ltd.  
Strike Energy Limited  
Strong Petrochemical Holdings Limited  
Stronghold Digital Mining, Inc.  
Subsea 7 SA  
Suburban Propane Partners, L.P.  
Sui Northern Gas Pipelines Ltd.  
Sumatec Resources Bhd.  
Sumiseki Holdings, Inc.  
Sumitomo Corp.  
Summit Midstream Corporation  
Summit Midstream Holdings LLC  
Summit Power Ltd.  
SunCoke Energy Partners Finance Corp.  
SunCoke Energy Partners, L.P.  
SunCoke Energy, Inc.  
Suncor Energy Inc.  
Sundance Energy Inc.  
Sunoco Logistics Partners Operations LP  
Sunoco LP  
Sunpower Group Ltd.  
Sunshine Oilsands Ltd.  
Superior Energy Services, Inc.  
Superior Plus Corp.  
Superior Plus LP  
Surge Energy Inc.  
Surgutneftegas PJSC  
SUSCO Public Company Limited  
Swan Energy Limited  
T7 Global Berhad  
Taiheiyu Kouhatsu Inc.  
Taiwan Cogeneration Corp.  
Taki Chemical Co., Ltd.  
Talen Energy Corporation  
Talen Energy Supply LLC  
Talent Yield (Euro) Ltd.  
Talent Yield Investments Ltd.  
Tallgrass Energy Partners LP  
Tallgrass Energy, LP  
Talos Energy Inc.  
Talos Production, Inc.  
Tamarack Valley Energy Ltd.  
Tampa Electric Co.  
Tapstone Energy LLC  
Targa Pipeline Finance Corp.  
Targa Resources Corp.  
Targa Resources Partners Finance Corp.  
Targa Resources Partners LP  
Tatneft PJSC  
Tauron Polska Energia SA  
TBEA Co., Ltd.  
TC Energy Corporation  
TC PipeLines, LP  
TCC Group Holdings CO., LTD.  
Technip Energies NV  
TechnipFMC plc  
Teck Resources Limited  
Tecnicas Reunidas SA  
TECO Finance, Inc.  
Tecpetrol SA  
Teekay Corporation  
Teekay Shuttle Tanker Finance LLC  
Teekay Tankers Ltd.  
Teine Energy Ltd.  
Tellurian Inc.  
Tenaga Nasional Berhad  
Tenaris SA  
Tengizchevroil Finance Co. International Ltd.  
Tengizchevroil Finance Co. SARL



|                                                             |                                            |                                                         |
|-------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------|
| Tennessee Gas Pipeline Co. LLC                              | TransAlta Renewables Inc.                  | Viridien                                                |
| Tennessee Valley Authority                                  | TransCanada PipeLines Ltd.                 | Vistra Corp.                                            |
| Terega SA                                                   | TransCanada Trust                          | Vistra Operations Co. LLC                               |
| Terega SAS                                                  | TransCapitalInvest DAC                     | Vital Energy, Inc.                                      |
| Termocandelaria Power SA                                    | Transcontinental Gas Pipe Line Co. LLC     | Vitesse Energy, Inc.                                    |
| TerraCom Limited                                            | Transfar Zhilian Co., Ltd.                 | Viva Energy Group Ltd.                                  |
| Territorial Generating Co. No 1 PJSC                        | TransGlobe Energy Corporation              | Vivo Energy Ltd.                                        |
| Tervita Corporation                                         | TransMontaigne Partners LLC                | Volstad Subsea AS                                       |
| Tesoro Logistics Finance Corp.                              | Transneft PJSC                             | VPower Group International Holdings Limited             |
| Tethys Oil AB                                               | Transnet SOC Ltd.                          | VAALCO Energy, Inc.                                     |
| TETRA Technologies, Inc.                                    | Transocean Guardian Ltd.                   | W&T Offshore, Inc.                                      |
| Texas Eastern Transmission LP                               | Transocean Ltd.                            | Wales & West Utilities Finance Plc                      |
| Texas Pacific Land Corp.                                    | Transocean Phoenix 2 Ltd.                  | Wales & West Utilities Ltd.                             |
| TGI International Ltd.                                      | Transocean Pontus Ltd.                     | Warren Resources, Inc.                                  |
| TGS ASA                                                     | Transocean Poseidon Ltd.                   | Warrior Met Coal, Inc.                                  |
| Thai Oil Public Company Limited                             | Transocean Sentry Ltd.                     | Wasco Berhad                                            |
| Thaioil Treasury Center Co., Ltd.                           | Transocean, Inc.                           | Washington Gas Light Co.                                |
| The AES Corporation                                         | Transportadora de Gas del Norte SA         | Washington H. Soul Pattinson and Company Limited        |
| The Brooklyn Union Gas Co.                                  | Transportadora de Gas del Peru SA          | Waypoint REIT Ltd.                                      |
| The Chugoku Electric Power Co., Inc.                        | Transportadora de Gas del Sur SA           | Weatherford International LLC                           |
| The Drilling Company of 1972 A/S                            | Transportadora de Gas Internacional SA ESP | Weatherford International Ltd. (Bermuda)                |
| The East Ohio Gas Co.                                       | TravelCenters of America Inc.              | Weatherford International plc                           |
| The Great Eastern Shipping Company Limited                  | Trican Well Service Ltd.                   | WEC Energy Group, Inc.                                  |
| The Great Taipei Gas Corp.                                  | Trinidad Generation Unlimited              | Welltec A/S                                             |
| The Hong Kong and China Gas Company Limited                 | Trinidad Petroleum Holdings Ltd.           | Wentworth Resources Plc                                 |
| The Hub Power Co. Ltd.                                      | TriSummit Utilities Inc.                   | Western Energy Services Corp.                           |
| The Kansai Electric Power Co., Inc.                         | Tsakos Energy Navigation Limited           | Western Midstream Operating LP                          |
| The Kenan Advantage Group, Inc.                             | Tulip Oil Netherlands Offshore BV          | Western Midstream Partners LP                           |
| The Lanna Resources Public Co., Ltd.                        | Tullow Oil Plc                             | Western Refining Logistics LP                           |
| The LEADCORP, Inc.                                          | Turcas Petrol AS                           | Westmoreland Coal Co.                                   |
| The National Gas Company of Trinidad & Tobago Ltd.          | Turkiye Petrol Rafinerileri AS             | Westmoreland Resource Partners LP                       |
| The Oil & Gas Holding Co. BSC                               | TXNM Energy, Inc.                          | WGL Holdings, Inc.                                      |
| The Okinawa Electric Power Co., Inc.                        | U.S. ENERGY CORP.                          | WHA Utilities & Power Public Co. Ltd.                   |
| The Power & Water Utility Co. for Jubail & Yanbu            | U.S. Silica Holdings, Inc.                 | White Energy Company Limited                            |
| The Second Generation Co of the Wholesale Power Market PJSC | U.S. Well Services Holdings LLC            | White Star Petroleum LLC                                |
| The Southern Company                                        | UBE Corp.                                  | Whitecap Resources Inc.                                 |
| The Tata Power Company Limited                              | UGI Corporation                            | Whitehaven Coal Limited                                 |
| The Williams Companies, Inc.                                | Ultrapar International SA                  | Williams Partners LP                                    |
| Third Coast Midstream LLC                                   | Ultrapar Participacoes SA                  | Wintershall Dea AG                                      |
| Thunderbird Resources Equity, Inc.                          | Unicorn Capital Partners Ltd.              | Wintershall Dea Finance 2 BV                            |
| Thungela Resources Ltd.                                     | UNIMOT SA                                  | Wintershall Dea Finance BV                              |
| Tian Lun Gas Holdings Limited                               | Union Electric Co.                         | Wintershall Dea International GmbH                      |
| Tiandi Science & Technology Co., Ltd.                       | Uniper SE                                  | Wintime Energy Group Co., Ltd.                          |
| Tianjin Port Development Holdings Limited                   | Unipor PJSC                                | Wisconsin Electric Power Company                        |
| Tidewater Inc.                                              | Unit Corporation                           | Wisconsin Power & Light Co.                             |
| Tidewater Renewables Ltd.                                   | United Energy Group Limited                | Wisconsin Public Service Corp.                          |
| Tipco Asphalt Public Co. Ltd.                               | United Refining Co.                        | Wison Engineering Services Co. Ltd.                     |
| Titan Petrochemicals Group Limited                          | United Strength Power Holdings Limited     | Wollongong Coal Limited                                 |
| TNB Global Ventures Capital Bhd.                            | Unitil Corporation                         | Woodside Energy Group Ltd.                              |
| Toa Oil Co., Ltd.                                           | Up Energy Development Group Limited        | Woodside Finance Ltd.                                   |
| TOELL Co., Ltd.                                             | Urals Energy Public Co. Ltd.               | World Kinect Corporation                                |
| TOHO GAS Co., Ltd.                                          | USA Compression Partners LP                | WPX Energy, Inc.                                        |
| Tohoku Electric Power Co., Inc.                             | Uzma Berhad                                | Wuchan Zhongda Group Co., Ltd.                          |
| TOKAI Holdings Corp.                                        | Valaris Limited                            | XCD Energy Limited                                      |
| Tokyo Electric Power Co. Holdings, Inc.                     | Valener Inc.                               | Xcel Energy Inc.                                        |
| Tokyo Gas Co., Ltd.                                         | Valero Energy Corporation                  | Xiamen International Trade Group Corp. Ltd.             |
| Top Frontier Investment Holdings, Inc.                      | Valero Energy Partners LP                  | Xiangcai Co., Ltd.                                      |
| Topaz Energy Corp.                                          | Valeura Energy Inc.                        | Xinjiang Guanghui Industry Investment (Group) Co., Ltd. |
| Topy Industries, Ltd.                                       | Vallourec SA                               | Yanchang Petroleum International Limited                |
| TORC Oil & Gas Ltd.                                         | Vantage Drilling Co.                       | Yancoal Australia Ltd.                                  |
| TORM A/S                                                    | Vantage Drilling International Ltd.        | Yancoal International Resources Development Co., Ltd.   |
| Torm Plc                                                    | Var Energi ASA                             | Yangarra Resources Ltd.                                 |
| Torrent Power Limited                                       | Vattenfall AB                              | Yankuang Energy Group Co., Ltd.                         |
| Toscana Energy Income Corporation                           | Vector Limited                             | Yankuang Group (Cayman) Ltd.                            |
| Total Energy Services Inc.                                  | Vectren Corp.                              | Yantai Jereh Oilfield Services Group Co. Ltd.           |
| TotalEnergies Capital Canada Ltd.                           | Vedanta Limited                            | Yesco Holdings Co., Ltd.                                |
| TotalEnergies Capital International SA                      | Vedanta Resources Finance II Plc           | Yinson Holdings Berhad                                  |
| TotalEnergies Capital SA                                    | Vedanta Resources Jersey Ltd.              | Yorkshire Power Finance Ltd.                            |
| TotalEnergies Marketing Kenya Plc                           | Vedanta Resources Ltd.                     | YPF Energia Electrica SA                                |
| TotalEnergies Marketing Maroc SA                            | Velesto Energy Berhad                      | YPF SA                                                  |
| TotalEnergies SE                                            | Venture Global LNG, Inc.                   | YTL Corporation Berhad                                  |
| Touchstone Exploration Inc.                                 | Veolia Environnement SA                    | YTL Power International Berhad                          |
| Tourmaline Oil Corp.                                        | Veren, Inc.                                | Yuan Heng Gas Holdings Limited                          |
| Towngas Finance Ltd.                                        | Vermilion Energy Inc.                      | Yunnan Energy Investment Co., Ltd.                      |
| Towngas Smart Energy Company Limited                        | Vertex Energy, Inc.                        | Z Energy Ltd.                                           |
| Toyo Kanetsu KK                                             | Via Renewables, Inc.                       | ZAMET SA                                                |
| TPI Polene Power Public Co., Ltd.                           | Vibra Energia SA                           | Zapadoslovenska Energetika as                           |
| TPI Polene Public Co. Ltd.                                  | Vier Gas Transport GmbH                    | Zargon Oil & Gas Ltd.                                   |
| Trafigura Funding SA                                        | Viesgo Infraestructuras Energeticas SL     | Zephyr Energy Plc                                       |
| Trafigura Group Pte Ltd.                                    | Vietnam National Petroleum Corp.           | Zhaikmunai Finance BV                                   |
| Trans Mountain Corp.                                        | Viking Supply Ships AS                     | Zhaikmunai International BV                             |
| TransAlta Corporation                                       | Vimetco NV                                 | Zhejiang Jiahua Energy Chemical Industry Co., Ltd.      |
|                                                             | Vine Energy, Inc.                          |                                                         |
|                                                             | Viper Energy, Inc.                         |                                                         |
|                                                             | Virginia Electric & Power Co.              |                                                         |
|                                                             | Viridian Group FundCo II Ltd.              |                                                         |



Zhejiang Zheneng Electric Power Co., Ltd.  
Zhengzhou Coal Industry & Electric Power Co., Ltd.

Zhongrong Xinda Group Co., Ltd.  
Zhongyu Energy Holdings Limited  
Zhuhai Holdings Investment Group Limited

Zion Oil & Gas, Inc.  
Zorlu Enerji Elektrik Uretim AS  
AAG Energy Holdings Ltd.

## Approved Exemptions for Fossil Fuel Exclusions

Enel SpA  
Exelon Corporation  
Iberdrola SA  
Orsted A/S  
SSE Plc

## EU Paris-aligned Benchmarks Exclusions (PAB)

Activity based exclusions referred to in Commission Delegated Regulation (EU) 2022/1818, Article 12(a)-12(g) as further defined the [Exclusion Instruction](#).

### Excluded Investment

22nd Century Group, Inc.  
2I RETE GAS S.P.A.  
A-1 Group, Inc.  
Abraj Energy Services SAOG  
Abrau-Durso PJSC  
Abu Dhabi National Energy Company PJSC  
ABU DHABI NATIONAL OIL COMPANY FOR DISTRIBUTION PJSC  
AcBel Polytech, Inc.  
Acron PJSC  
ACWA POWER Company SJSC  
Adani Abbot Point Terminal Pty Ltd.  
Adani Enterprises  
ADANI ENTERPRISES LIMITED  
Adani Green Energy  
Adani Ports & Special Economic Zones  
ADANI PORTS AND SPECIAL ECONOMIC ZONE LIMITED  
ADANI POWER LIMITED  
ADES Holding Company Listed Joint Stock Company  
ADNOC DRILLING COMPANY P.J.S.C.  
ADVANTAGE ENERGY LTD.  
AEGIS LOGISTICS LIMITED  
AENZA S.A.A.  
Aeroflot PJSC  
Aerospace Long-March International Trade Co., Ltd.  
AES Andes S.A.  
AFGRI Ltd.  
Africa Oil Corp.  
AFRICAN RAINBOW MINERALS LIMITED  
Aganeftegazgeologia OAO  
Agility Public Warehousing Company K.S.C.P.  
Agrofirma Mcenskaya OAO  
Ahlaczi Dogal Gaz Dagitim Enerji ve Yatirim AS  
AI CANDELARIA (SPAIN) SA  
AKER BP ASA  
AKSA ENERJİ URETİM ANONİM ŞİRKETİ  
Al Batinah Power Company SAOG  
Al Suwadi Power Company SAOG  
Alabama Power Company  
Al-Eqbal Co. for Investment Plc  
Alfa-Bank  
ALLETE, INC.  
ALLIANCE RESOURCE PARTNERS, L.P.  
ALLIANT ENERGY CORPORATION  
Almaz-Antei PAO  
ALPHA METALLURGICAL RESOURCES, INC.  
Alrosa PJSC  
ALROSA-Nyurba PJSC  
Altadis Emisiones Financieras SA  
Altadis SA  
AltaGas Ltd.  
Altria Group, Inc.  
Aluminum Corporation of China Limited  
American Heritage International, Inc.  
AMPLITUDE ENERGY LIMITED  
AMPOL LIMITED  
AMVIG Holdings Ltd.  
AN HUI WENERGY COMPANY LIMITED  
ANGLO AMERICAN PLC  
Anhui GreatWall Military Industry Co., Ltd.  
Anhui Military Industry Group Holding Co. Ltd.  
ANTERO MIDSTREAM CORPORATION

ANTERO MIDSTREAM PARTNERS LP  
ANTERO RESOURCES CORPORATION  
APA CORPORATION  
APA Group  
APACHE CORPORATION  
Aphria  
Appalachian Power Company  
Arab Organization for Industrialization  
ARC RESOURCES LTD  
ARCH RESOURCES, INC.  
Archer-Daniels Midland Co.  
Arcis Resources Corp.  
ARKO CORP.  
Arktikneftegazstroy OAO  
Aryt Industries Ltd.  
Asberry 22 Holdings, Inc.  
ASCENT RESOURCES UTICA HOLDINGS, LLC  
ASCOPIAVE S.P.A.  
Aselsan Elektronik Sanayi ve Ticaret AS  
Asenovgrad Tabac AD  
ASHDOD REFINERY LTD  
Ashoka Manufacturing Ltd  
ATHABASCA OIL CORPORATION  
ATLAS ENERGY SOLUTIONS INC.  
ATMOS ENERGY CORPORATION  
Atomic Energy Power Corp.  
Attock Refinery Ltd  
AURIZON HOLDINGS LIMITED  
AVANCE GAS HOLDING LTD  
Avangard Bank PJSC  
Avary Holding (Shenzhen) Co., Ltd.  
Avibras Industria Aeroespacial SA  
AviChina Industry & Technology  
AYGAZ ANONİM ŞİRKETİ  
Aziyo Biologics, Inc.  
B.A.T Capital Corp.  
B.A.T. Finance BV  
B.A.T. International Finance Plc  
B.A.T. Netherlands Finance BV  
B.GRIMM POWER PUBLIC COMPANY LIMITED  
BADECO ADRIA dd  
Bajaj Hindustan Sugar Ltd.  
BAKER HUGHES COMPANY  
BAKER HUGHES HOLDINGS LLC  
Bamtonnelstroy  
Bangchak Corporation Public Company Limited  
BANGCHAK SRIRACHA PUBLIC COMPANY LIMITED  
BANGKOK AVIATION FUEL SERVICES PCL.  
Bank Otkritie Financial Corp QJSC Via OFCB  
Capital PLC  
Bank Otkritie Financial Corp PJSC/Tochka  
Bank Rossiya OAO  
Bank St Petersburg PJSC  
Bank ZENIT PJSC  
Banpu Power Public Company Limited  
BANPU PUBLIC COMPANY LIMITED  
BAPCO ENERGIES B.S.C CLOSED  
Barrick (PD) Australia Finance Pty Ltd.  
Barrick Gold  
Barrick Gold Finance Co.  
Barrick North America Finance LLC  
Barrick TZ Ltd.  
Bashneft PJSC

BASIN ELECTRIC POWER COOPERATIVE  
BAT Brasil  
BAYTEX ENERGY CORP.  
BayWa Aktiengesellschaft  
BCPG Public Company Limited  
BEACH ENERGY LIMITED  
BEIJING ENTERPRISES HOLDINGS LIMITED  
Beijing Jingneng Clean Energy Co., Limited  
Beijing Tong Ren Tang Chinese Medicine Co., Ltd.  
Beijing Tongrentang Co., Ltd.  
Belon OJSC  
Belspetsvneshtekhnika  
Beluga Group PJSC  
BERRY CORPORATION (BRY)  
Bharat Dynamics Limited  
Bharat Electronics Limited  
Bharat Heavy Electricals Ltd  
BHARAT PETROLEUM CORPORATION LIMITED  
BHP GROUP LIMITED  
BIGLARI HOLDINGS INC.  
BIRCHCLIFF ENERGY LTD.  
BKV CORPORATION  
BLACK HILLS CORPORATION  
Black Sea Trade & Development Bank  
BLUENORD ASA  
BOLLORE SE  
Borr Drilling Limited  
BOSTON GAS COMPANY  
BP P.L.C.  
Brava Energia S.A.  
BRF SA  
BRICKWORKS LTD  
BRISTOW GROUP INC.  
British American Tobacco Argentina SAICy F  
British American Tobacco Australasia Ltd.  
British American Tobacco Bangladesh Company Limited  
British American Tobacco Chile Operaciones SA  
British American Tobacco Co. Ltd.  
British American Tobacco Holdings (The Netherlands) BV  
British American Tobacco Italia SpA  
British American Tobacco Kenya Plc  
British American Tobacco Malaysia Bhd.  
British American Tobacco Peru Holdings Ltd.  
British American Tobacco plc  
British American Tobacco Uganda Ltd.  
British American Tobacco Zambia PLC  
British American Tobacco Zimbabwe Ltd.  
BROOKFIELD INFRASTRUCTURE CORPORATION  
Bukit Asam Tbk PT  
Bulgarian Energy Holding EAD  
Bulgartabac Holding AD  
Bunge Alimentos SA  
Bunge Brasil SA  
Bunge Finance Europe BV  
Bunge Ltd  
Bunge Ltd. Finance Corp.  
Bunge NA Finance LP  
BURLINGTON NORTHERN SANTA FE, LLC  
BW ENERGY LIMITED  
BW LPG Limited  
BW OFFSHORE LIMITED



CALIFORNIA RESOURCES CORPORATION  
CALLON PETROLEUM COMPANY  
CALPINE CORPORATION  
CALUMET, INC.  
Can2 Termik AS  
CANACOL ENERGY LTD  
CANADIAN NATIONAL RAILWAY CO  
CANADIAN NATURAL RESOURCES LIMITED  
CANADIAN PACIFIC KANSAS CITY LTD  
CANADIAN PACIFIC RAILWAY CO  
Canggang Railway Ltd  
Capex S.A.  
CAPITAL POWER CORPORATION  
CAPRICORN ENERGY PLC  
CARDINAL ENERGY LTD.  
Cargill  
CARNARVON ENERGY LIMITED  
Carreras Ltd.  
Cat Loi JSC  
Cenovus Energy Inc.  
Center for Cargo Container Traffic  
TransContainer PJSC  
Centerenergyholding JSC  
Centrais Eletricas Brasileiras SA (Eletrobras)  
Central Bank of the Russian Federation/The  
Central Telegraph PJSC  
CESC LTD  
Cetelem Bank  
Ceylon Tobacco Company Plc  
CEZ, a.s.  
CGN New Energy Holdings Co., Ltd.  
Changhong Meiling Co., Ltd.  
CHANNEL INFRASTRUCTURE NZ LIMITED  
Charlie's Holdings, Inc.  
Chelyabinsk Forge & Press Plant PJSC  
Chelyabinsk Metallurgical Plant PJSC  
Chelyabinsk Pipe Plant PJSC  
CHENIERE ENERGY PARTNERS, L.P.  
CHENIERE ENERGY, INC.  
CHENNAI PETROLEUM CORPORATION LIMITED  
Cherkizovo Group PJSC  
CHESAPEAKE UTILITIES CORPORATION  
CHEVRON CORPORATION  
China Aerospace Science & Industry Corp. Ltd.  
China Aerospace Science & Technology Corp.  
CHINA AVIATION OIL (SINGAPORE)  
CORPORATION LTD  
China Boton Group Company Limited  
China Coal Energy Co Ltd  
China Coal Energy Company Limited  
CHINA GAS HOLDINGS LIMITED  
CHINA HIGH SPEED TRANSMISSION  
EQUIPMENT GROUP CO., LTD.  
China Merchants Energy Shipping Co., Ltd.  
China National Nuclear Corp.  
China National Petroleum Corporation  
China National Petroleum Corporation (CNPC)  
China North Industries Corp.  
China North Industries Group Corp. Ltd.  
China Nuclear Engineering & Construction  
Corp. Ltd.  
CHINA OIL AND GAS GROUP LIMITED  
China Oilfield Services Limited  
China Petrochemical Corporation  
China Petroleum & Chemical Corporation  
China Poly Group Corp. Ltd.  
China Power International Development  
Limited  
CHINA RESOURCES GAS GROUP LIMITED  
China Resources Power Holdings Company  
Limited  
China Shenhua Energy Company Limited  
China Shipbuilding Industry Co., Ltd.  
China Southern Power Grid Co., Ltd  
China Suntien Green Energy Corporation  
Limited  
China Tobacco International (HK) Company  
Limited  
China Traditional Chinese Medicine Holdings  
Co. Ltd.  
CHNENERGY Investment Group Co., LTD  
CHORD ENERGY CORPORATION  
Chrezvichainaia strahovaia co CHSK OAO  
Chubu Electric Power Company, Incorporated  
Cinergyco PK Limited  
CITIC RESOURCES HOLDINGS LIMITED

CIVITAS RESOURCES, INC.  
CK Power Public Company Limited  
CLECO CORPORATE HOLDINGS LLC  
CLECO POWER LLC  
CNOOC Canada, Inc.  
CNOOC Curtis Funding No. 1 Pty Ltd.  
CNOOC Finance [2003] Ltd.  
CNOOC Finance [2011] Ltd.  
CNOOC Finance [2012] Ltd.  
CNOOC Finance [2013] Ltd.  
CNOOC Finance [2014] ULC  
Cnooc Finance [2015] Australia Pty Ltd.  
CNOOC Finance [2015] U.S.A. LLC  
CNOOC LIMITED  
CNOOC Ltd  
CNX MIDSTREAM PARTNERS LP  
CNX RESOURCES CORPORATION  
COAL INDIA LTD  
Coka Duvanska Industrija AD  
COLORADO INTERSTATE GAS COMPANY, L.L.C.  
Commercial Sea Port of Vladivostok PJSC  
Companhia Energetica De Minas Gerais  
(CEMIG)  
Compania General de Combustibles S.A.  
COMSTOCK RESOURCES, INC.  
Conoco Funding Co.  
ConocoPhillips  
ConocoPhillips Australia Funding Co.  
ConocoPhillips Canada Funding Co. I  
ConocoPhillips Canada Funding Co. II  
ConocoPhillips Co.  
Consolidated Cigar Holdings, Inc.  
CONTINENTAL RESOURCES, INC.  
Cool Company Ltd.  
CORE LABORATORIES INC.  
CORE NATURAL RESOURCES, INC.  
CoreCivic Corp  
CORONADO GLOBAL RESOURCES INC.  
CORPORACION DE RESERVAS ESTRATEGICAS  
DE PRODUCTOS PETROLIFEROS  
Corporacion Financiera Colombiana S.A.  
COSCO Shipping Energy Transportation Co.,  
Ltd.  
COSMO ENERGY HOLDINGS COMPANY,  
LIMITED  
Coterra Energy Inc.  
Credit Bank of Moscow PJSC  
CRESCENT ENERGY COMPANY  
CSX Corporation  
CTO Co. Ltd.  
CVR ENERGY, INC.  
Dalmoreprodukt  
D'Amico International Shipping SA  
DANA GAS CO.(P.J.S)  
Daqin Railway Co., Ltd.  
Daqo New Energy Corp.  
Datang International Power Generation Co.,  
Ltd.  
Defence Industries Organization  
DELEK GROUP LTD.  
DELEK LOGISTICS PARTNERS, LP  
DELEK US HOLDINGS, INC.  
DEVON ENERGY CORPORATION  
DIAMONDBACK ENERGY, INC.  
DIVERSIFIED ENERGY COMPANY PLC  
DMCI HOLDINGS, INC.  
DNO ASA  
DOF GROUP ASA  
DOMINION ENERGY SOUTH CAROLINA, INC.  
Dorian LPG Ltd.  
DT MIDSTREAM, INC.  
DTE ELECTRIC COMPANY  
DTE Energy Co  
DUKE ENERGY FLORIDA, LLC  
DUKE ENERGY INDIANA, LLC  
Dupnitsa-Tabak AD  
Dushanzi Petrochemical Company  
Duvanska Industrija AD Bujanovac  
Duvanski Kombinad ad Podgorica  
Eastern Co. (Egypt)  
Ecopetrol S.A.  
Elbit Systems Ltd.  
Electric Power Development Co., Ltd.  
ELECTRICITY GENERATING PUBLIC COMPANY  
LIMITED  
Elektrosta OAO

Elentec Co., Ltd.  
ElSewedy Electric Co  
EMERA INCORPORATED  
Empresa Nacional del Petroleo  
EM-Tech. Co., Ltd.  
EN+ Group International PJSC  
Enagas S.A.  
ENAUTA PARTICIPACOES S.A.  
ENBRIDGE ENERGY PARTNERS, L.P.  
Enbridge Gas Inc.  
Enbridge Inc  
Enbridge Inc.  
ENEA SPOLKA AKCYJNA  
ENEL RUSSIA PJSC  
ENEOS Holdings, Inc.  
ENERGEAN PLC  
Energir Inc.  
Energospecmontazh  
Energy Transfer Equity LP  
ENERGY TRANSFER LP  
Energy Transfer Operating LP  
Enerya Enerji AS  
Eneva S.A.  
ENGIE Energia Chile S.A.  
Engro Powergen Qadirpur Limited  
ENI S.P.A.  
ENLINK MIDSTREAM PARTNERS, LP  
ENLINK MIDSTREAM, LLC  
ENN ENERGY HOLDINGS LIMITED  
ENN Natural Gas Co., Ltd.  
ENQUEST PLC  
Ensign Energy Services Inc.  
ENTERGY CORPORATION  
ENTERGY LOUISIANA, LLC  
ENTERGY MISSISSIPPI, LLC  
ENTERGY TEXAS, INC.  
ENTERPRISE PRODUCTS OPERATING LLC  
EOG RESOURCES, INC.  
EQM MIDSTREAM PARTNERS, LP  
EQT CORPORATION  
EQUINOR ASA  
EQUITAL LTD  
ESKOM HOLDINGS SOC LIMITED  
Esso Societe Anonyme Francaise SA  
ETABLISSEMENTS MAUREL ET PROM SA  
European Eltech PJSC  
eustream, a.s.  
EVERGY KANSAS CENTRAL, INC.  
Evergy Metro, Inc.  
Evraz Plc  
Accelerate Energy Inc  
Eximbank of Russia  
EXMAR NV  
EXPAND ENERGY CORPORATION  
EXXARO RESOURCES LIMITED  
Exxon Mobil Corporation  
Far-Eastern Energy Co PJSC  
Far-Eastern Shipping Co PLC  
Federal Grid Co Unified Energy System PJSC  
FEDERATED CO-OPERATIVES LIMITED  
FINNING INTERNATIONAL INC.  
First Pacific Company Limited  
FLEX LNG LTD.  
FLOENE ENERGIAS S.A.  
FLORIDA POWER & LIGHT COMPANY  
Formosa Chemicals & Fibre Corp.  
FORMOSA PETROCHEMICAL CORPORATION  
Formosa Taffeta Co., Ltd.  
Franco-Nevada Corporation  
Freehold Royalties Ltd.  
Freeport McMoRan  
FRONTERA ENERGY CORPORATION  
FRONTLINE PLC  
FTAI INFRASTRUCTURE INC.  
GAIL (INDIA) LIMITED  
Gaikhiy GOK OAO  
Galp Energia, SGPS, S.A.  
GAS MALAYSIA BERHAD  
Gas Natural de Lima y Callao S.A.  
GAS NETWORKS IRELAND  
Gazkon PJSC  
Gazprom Gazoraspredelenie Syktyvkar AO  
Gazprom Neft PJSC  
Gazprom PJSC  
Gazprom PJSC Via Gaz Capital SA  
Gazprom PJSC via Gaz Finance PLC



Gazprombank  
Gaz-service PJSC  
GAZ-Tek PJSC  
GCL New Energy Holdings Limited  
GCL Technology  
GCM Resources plc  
GD POWER DEVELOPMENT CO., LTD.  
Gemini Group Global Corp.  
GenBank  
GENEL ENERGY PLC  
GENESIS ENERGY, L.P.  
Genting Bhd  
Genting Plantations Berhad  
GEO ENERGY RESOURCES LIMITED  
GEO Group  
GeoPark Limited  
Geotech Seismic Services PJSC  
GIBSON ENERGY INC.  
Gilla, Inc.  
Giprospetsgaz OAO  
Glencore  
GLENCORE PLC  
GLOBAL PARTNERS LP  
GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED  
GMexico Transportes, S.A.B. de C.V.  
Godfrey Phillips India Ltd.  
Golden Agri-Resources Ltd  
GOLDEN ENERGY AND RESOURCES PTE. LTD.  
Golden Tobacco Ltd.  
Gotse Delchev Tabac AD  
GRAN TIERRA ENERGY INC.  
Grand Pharmaceutical Group Ltd.  
GRANITE RIDGE RESOURCES, INC.  
Great River Energy  
Greenlane Holdings, Inc.  
GRINDROD LIMITED  
Grupo Energia Bogota S.A. ESP  
Grupo Mexico SAB de CV  
Gruppa kompaniy kommunalnoy sfery PAO  
GS Caltex Corporation  
GS Holdings Corp.  
Gtlk Europe Capital DAC  
Guangdong DFP New Material Group Co., Ltd.  
GUANGDONG HEC TECHNOLOGY HOLDING CO., LTD  
Guangdong Hongda Holdings Group Co., Ltd.  
Guangdong New Grand Long Packing Co., Ltd.  
Guanghui Energy Co., Ltd.  
GUJARAT GAS LIMITED  
GUJARAT MINERAL DEVELOPMENT CORPORATION LIMITED  
GUJARAT STATE PETRONET LIMITED  
GULF ENERGY DEVELOPMENT PUBLIC COMPANY LIMITED  
Gulf International Services Q.P.S.C.  
GULF KEYSTONE PETROLEUM LIMITED  
GULFPORT ENERGY CORPORATION  
HAFNIA LIMITED  
Halcyon Agri Corp Ltd  
Hallador Energy Company  
HALLIBURTON COMPANY  
HALS-Development PJSC  
Hanwa Co., Ltd.  
Hanwha TotalEnergies Petrochemical Co., Ltd.  
Haoxiangni Health Food Co., Ltd.  
HARBOUR ENERGY PLC  
Harmony Gold Mining Co Ltd  
Harrys Manufacturing Inc.  
HAWAIIAN ELECTRIC INDUSTRIES, INC.  
HD HYUNDAI CO., LTD.  
Headwater Exploration Inc.  
HELLENiQ ENERGY Holdings Societe Anonyme  
HELMERICH & PAYNE, INC.  
HENGLI PETROCHEMICAL CO., LTD.  
Hengyi Petrochemical Co., Ltd.  
HERA S.P.A.  
Heritage Petroleum Company Limited  
HESS CORPORATION  
HESS MIDSTREAM LP  
HF SINCLAIR CORPORATION  
HIBISCUS PETROLEUM BERHAD  
HIGHPEAK ENERGY, INC.  
HIKVision  
HINDUSTAN PETROLEUM CORPORATION LIMITED

HK ELECTRIC INVESTMENTS LIMITED  
Hoang Long Group  
Hokkaido Electric Power Co., Inc.  
Hokuriku Electric Power Company  
HOLLY ENERGY PARTNERS, L.P.  
Honeys Holding  
Hoshine Silicon Industry Co., Ltd.  
HOSKEN CONSOLIDATED INVESTMENTS LIMITED  
Hotel Kosmos OAO  
HPCL-MITTAL ENERGY LIMITED  
Hrvatski Duhani dd  
Huabao International Holdings Limited  
Huadian Power International Corporation Limited  
Huabei Mining Holdings Co., Ltd.  
Huaihe Energy (Group) Co., Ltd.  
HUANENG POWER INTERNATIONAL, INC.  
Human Stem Cells Institute PJSC  
ICAHN ENTERPRISES L.P.  
Icon Vapor, Inc.  
Idemitsu Kosan Co., Ltd.  
IDGC of Centre and Volga Region PJSC  
IDGC of the North-West PJSC  
IDGC of Urals JSC  
IINO KAIUN KAISHA, LTD.  
IMA T&T SpA  
Imperial Brands Finance Netherlands BV  
Imperial Brands Finance Plc  
Imperial Brands PLC  
Imperial Oil Ltd  
INDIAN OIL CORPORATION LIMITED  
Indofood Agri Resources Ltd.  
Indraprastha Gas Ltd  
Infraestructura Energetica Nova, S.A.B. de C.V.  
Ingosstrakh Insurance Co  
INGRAD OOO  
Inner Mongolia Baotou Steel Union Co  
Inner Mongolia Baotou Steel Union Co., Ltd  
INNER MONGOLIA DIAN TOU ENERGY CORPORATION LIMITED  
INNER MONGOLIA YITAI COAL CO., LTD  
INPEX CORPORATION  
INTER PIPELINE LTD  
Inter RAO UES PJSC  
INTERNATIONAL PETROLEUM CORPORATION  
INTERNATIONAL SEAWAYS, INC.  
INVEST-DEVELOPMENT PJSC  
IOI Corporation Berhad  
IOI Investment Labuan Bhd.  
IPALCO ENTERPRISES INC  
Irkutskenergo PJSC  
IRPC Public Company Limited  
Ispire Technology, Inc.  
ITALGAS S.P.A.  
ITC Limited  
ITOCHU ENEX CO., LTD.  
Izhorskiye Zavody PJSC  
JADESTONE ENERGY PLC  
JAIPRAKASH POWER VENTURES LIMITED  
JANUB GAZ DAHLIZI GAPALI SAHMDAR JAMIYYATI  
Japan Petroleum Exploration Co., Ltd.  
Japan Tobacco, Inc.  
JARDINE MATHESON HOLDINGS LIMITED  
Jastrzebska Spolka Weglowa SA  
JASTRZEBSKA SPOLKA WEGLOWA SPOLKA AKCYJNA  
JBJ Technologies Ltd.  
JBS Finance II Ltd.  
JBS SA  
JBS USA Finance, Inc.  
JBS USA LLC  
JERA Co., Inc.  
Jerusalem Cigarette Co. Ltd.  
JG Summit Holdings, Inc.  
Jiangsu Guotai International Group Co., Ltd.  
Jiangxi Copper Co Ltd  
Jinko Solar Co  
Jizhong Energy Resources Co., Ltd.  
JMV LPS Ltd.  
Joint Stock Company National Company  
KazMunayGas  
Jointown Pharmaceutical Group Co., Ltd.  
JSC GEORGIAN RAILWAY  
JSC Kalashnikov

JSW ENERGY LIMITED  
JT International Financial Services BV  
K&O Energy Group Inc.  
Kalugaputmarsh  
Kaluzsky Plant of Automobile Electrical Equipment OAO  
Kamaz PJSC  
Kamchatskenergo PJSC  
KAMEI CORPORATION  
Karelia Tobacco Co., Inc.  
KAROON ENERGY LTD  
Kawasaki Kisen Kaisha, Ltd.  
KELT EXPLORATION LTD.  
KENON HOLDINGS LTD.  
KENTUCKY UTILITIES COMPANY  
KEYERA CORP.  
Khanty-Mansiyskdorstroy OAO  
Khyber Tobacco Co. Ltd.  
KIBO Energy PLC  
KIMBELL ROYALTY PARTNERS, LP  
Kimree, Inc.  
KINDER MORGAN, INC.  
Kinetic Development Group Limited  
Kinetic Development Group Ltd  
KINETIK HOLDINGS INC.  
KIRBY CORPORATION  
KISTOS HOLDINGS PLC  
KOC HOLDING ANONIM SIRKETI  
Komi Energosbytovaya Co OAO  
Komitex JSC  
Koninklijke Vopak N.V.  
Korea East-West Power Co., Ltd.  
KOREA LINE CORPORATION  
Korea Midland Power Co., Ltd  
Korea National Oil Corporation  
Korea South-East Power Co., Ltd  
Korea Southern Power Co., Ltd.  
Korea Western Power Co., Ltd  
KoreaGasCorporation  
Korporatsiya Takticheskoe Raketnoe Vooruzhenie OAO  
Korporatsiya Takticheskoe Raketnoe Vooruzhenie OAO  
Korshynov Mining Plant PJSC  
KOSMOS ENERGY LTD.  
KOT Addu Power Company Ltd  
Kovrovskiy Mekhanicheskiy Zavod OAO  
Krasfarma OAO  
Krasnoyarskenergosbyt PJSC  
Krasnoyarsknefteproduct  
Krasnyy Ochyabr PJSC  
Kriogenmash PAO  
KSB Limited  
KSB SE & Co. KGaA  
KT&G Corp.  
KTK Group Co., Ltd.  
Kuban Trunk Grid  
KuibyshevAzot PJSC  
KUNLUN ENERGY COMPANY LIMITED  
Kurganskaya Generiruyushchaya Kompaniya PAO  
Kuzbasskaya Toplivnaya Co JSC  
Lalpir Power Ltd  
LandBridge Co LLC  
Larsen & Toubro Limited  
Leidos, Inc.  
Lengazspecstroy OAO  
Lens Technology Co Ltd  
Lenzoloto PJSC  
Li Ning Company Limited  
LIG Corp.  
LIG Nex1 Co., Ltd.  
Litu Holdings Limited  
Lockheed Martin Corporation  
Lorillard LLC  
LOUISVILLE GAS AND ELECTRIC COMPANY  
LSR Group PJSC  
LT Group, Inc.  
LUKOIL PJSC  
Luthai Textile Co Ltd  
Luxshare Precision Industry Co Ltd  
LX Holdings Corp.  
LX INTERNATIONAL CORP.  
LyondellBasell Industries N.V.  
M.Video PJSC  
Magadanenergo PJSC



Magnit PJSC  
Magnitogorsk Iron & Steel Works PJSC  
MAGNOLIA OIL & GAS CORPORATION  
MAHANAGAR GAS LIMITED  
MALAKOFF CORPORATION BERHAD  
MARATHON OIL CORPORATION  
Marathon Petroleum Corp  
MARATHON PETROLEUM CORPORATION  
Mari Energies Ltd  
MARTIN MIDSTREAM PARTNERS L.P.  
Marubeni Corporation  
MATADOR RESOURCES COMPANY  
Mechel PJSC  
MEG Energy Corp.  
MegaFon PJSC  
Metafrax OAO  
Metallurgical Corporation of China  
Mikron JSC  
Minerva SA  
MISC BERHAD  
MITSUBISHI MATERIALS CORPORATION  
Mitsui O.S.K. Lines, Ltd.  
Mitsuuroko Group Holdings Co.,Ltd.  
MMC Norilsk Nickel PJSC  
Mobile TeleSystems PJSC  
MOL Magyar Olaj- es Gazipari Nyilvanosan  
Mukodo Reszvenytarsasag  
MONGOLIAN MINING CORPORATION  
MONONGAHELA POWER COMPANY  
Moscow City Telephone Network PJSC  
Moscow Exchange MICEX-RTS PJSC  
Mosenergo PJSC  
Mostotrest PJSC  
MOTOR OIL (HELLAS) CORINTH REFINERIES S.A.  
MPLX LP  
MSU Energy S.A.  
MTAR Technologies Ltd.  
Muhibbah Engineering (M) Bhd.  
MURPHY OIL CORPORATION  
N.V. Nederlandse Gasunie  
NABORS INDUSTRIES LTD.  
Namhae Chemical Corp  
Nanjing Tanker Corporation  
NAPHTHA ISRAEL PETROLEUM CORP. LTD.  
NATIONAL FUEL GAS COMPANY  
National Gas and Industrialization Company  
SJSC  
NATIONAL REFINERY LIMITED  
NATURAL RESOURCE PARTNERS L.P.  
Naturgy Energy Group, S.A.  
Nauchno-Proizvodstvennoe Obedinenie S plav  
OAO  
NAVA LIMITED  
NC Rosneft- Kubanefteproduct PJSC  
NCC LIMITED  
Neste Oyj  
NEVADA POWER COMPANY  
NEW FORTRESS ENERGY INC.  
NEW HOPE CORPORATION LIMITED  
NEW JERSEY RESOURCES CORPORATION  
Newfoundland and Labrador Hydro  
NEXTDECADE CORPORATION  
Ngan Son JSC  
NGL ENERGY PARTNERS LP  
Nikotiana BT Holding AD  
Ningxia Baofeng Energy Group Co., Ltd.  
Nippon Yusen Kabushiki Kaisha  
Nishat Chunian Power Ltd  
Nishat Power Ltd  
NISOURCE INC.  
Nitel OAO  
Nizhegorodoblغاز OAO  
Nizhnekamskneftekhim PJSC  
NLC INDIA LIMITED  
NOBLE CORPORATION PLC  
NORFOLK SOUTHERN CORPORATION  
North Atlantic Trading Co., Inc.  
NORTHERN OIL AND GAS, INC.  
NORTHWEST NATURAL HOLDING COMPANY  
NOVA SCOTIA POWER INCORPORATED  
Novatek PJSC  
Novikombank AO  
Novolipetsk Steel PJSC  
Novorosiexport OAO  
Novorossiysk Commercial Sea Port PJSC

Novorossiyskiy Kombinat Khleboproduktov  
PAO  
NRW HOLDINGS LIMITED  
NTC Industries Ltd.  
NTPC LIMITED  
NTPC Ltd  
NUVISTA ENERGY LTD.  
Obnyftegazgeologia OJSC  
OBSIDIAN ENERGY LTD.  
OCCIDENTAL PETROLEUM CORPORATION  
OCP SA  
ODAS ELEKTRIK URETIM SANAYI TICARET  
ANONIM SIRKETI  
ODFJELL DRILLING LTD  
OFILM Group Co., Ltd.  
OGK-2 PJSC  
OGLETHORPE POWER CORP  
Oil & Natural Gas Corp  
Oil and Gas Development Co Ltd  
OIL AND NATURAL GAS CORPORATION LIMITED  
OIL INDIA LIMITED  
OIL REFINERIES LTD.  
OMV Aktiengesellschaft  
ONE GAS, INC.  
ONEOK, INC.  
ONGC Videsh Ltd.  
OPC Energy Ltd.  
OQ EXPLORATION AND PRODUCTION SAOG  
OQ Gas Networks SAOC  
OQ SAOC  
Oracle Power PLC  
Ordtch Military Industries  
Organichesky Sintez PJSC  
ORLEN SPOLKA AKCYJNA  
OSAKA GAS CO., LTD.  
Otkritie Bank OJSC  
OVINTIV INC.  
Ozon Holdings PLC  
Pakistan Oilfields Ltd  
Pakistan Ordnance Factories  
Pakistan Petroleum Ltd  
Pakistan Refinery Ltd  
PAKISTAN STATE OIL COMPANY LIMITED  
Pakistan Tobacco Co. Ltd.  
PANTHEON RESOURCES PLC  
PAR PACIFIC HOLDINGS, INC.  
PARAMOUNT RESOURCES LTD.  
Paratus Energy Services Ltd.  
PAREX RESOURCES INC.  
PARKLAND CORPORATION.  
PATTERSON-UTI ENERGY, INC.  
PAZ RETAIL AND ENERGY LTD  
Pazardzhik BTM AD  
PBF ENERGY INC.  
PBF HOLDING COMPANY LLC  
PEABODY ENERGY CORPORATION  
PEMBINA PIPELINE CORPORATION  
Permenergosbyt PJSC  
PERMIAN RESOURCES CORPORATION  
PERU LNG S.R.L.  
PetroChina Company Limited  
Petroleo Brasileiro S.A. (Petrobras)  
Petroleos del Peru - Petroperu S.A.  
Petroleos Mexicanos  
Petroleum Trading Lao Public Co  
PETROLIAM NASIONAL BERHAD (PETRONAS)  
PETRON CORP.  
PETRONAS DAGANGAN BERHAD  
PETRONAS GAS BERHAD  
PETRONET LNG LIMITED  
Petropavlovsk PLC  
PetroReconcavo S.A.  
PETROTAL CORP.  
PEYTO EXPLORATION & DEVELOPMENT CORP.  
Pharmacy Chain 36.6 PJSC  
Philip Morris (Pakistan) Ltd.  
Philip Morris CR as  
Philip Morris International Inc.  
Philip Morris Operations AD  
Phillips 66  
PHILLIPS 66 PARTNERS LP  
Phoenix Power Company SAOG  
PhosAgro PJSC  
Piedmont Natural Gas Company, Inc.  
Pigment OJSC  
PIK Group PJSC

PINGDINGSHAN TIANAN COAL. MINING CO.,  
LTD.  
PIONEER NATURAL RESOURCES COMPANY  
PIPELINES ENBRIDGE INC.  
PJSC SPC Energia  
PLAINS ALL AMERICAN PIPELINE, L.P.  
PLAINS GP HOLDINGS, L.P  
Polymetal International Plc  
Polyus PJSC  
Poongsan Corp.  
POONGSAN HOLDINGS Corp.  
POSCO  
Posco International Corp  
Positive Group PJSC  
Power Assets Holdings Limited  
Power Construction Corporation of China  
PPL CORPORATION  
PRAIRIESKY ROYALTY LTD.  
Precision Drilling Corporation  
Premier Explosives Ltd.  
Press Corporation Plc  
Press Metal Aluminium Holdings Berhad  
Press Metal Bhd.  
Priargunsky Industrial Mining and Chemical  
Union OAO  
Priisk Dambuki OAO  
Prima Marine PCL  
Primorie Bank PJSC  
PRIO S.A.  
PRODUCTIVE TECHNOLOGIES COMPANY  
LIMITED  
Progress Energy, Inc.  
Proizvodstvennoye Ob Yedineniye Severnoye  
Mashinostroitel'noye Predpriyatiye AO  
Promigas S.A. E.S.P.  
Promsvyazbank  
PT ABM Investama Tbk  
PT AKR Corporindo Tbk  
PT Alamtri Resources Indonesia Tbk  
PT Astra Agro Lestari Tbk  
PT Astra International Tbk  
PT Bakrie & Brothers Tbk  
PT Barito Pacific Tbk  
PT Bentoel International Investama Tbk  
PT Bumi Resources Tbk  
PT Cikarang Listrindo Tbk  
PT Delta Dunia Makmur Tbk  
PT Gudang Garam Tbk  
PT Hanjaya Mandala Sampoerna Tbk  
PT Harum Energy Tbk  
PT Indika Energy Tbk  
PT Indo Tambangraya Megah Tbk  
PT Indofood Sukses Makmur Tbk  
PT Indonesian Tobacco Tbk  
PT Medco Energi Internasional Tbk  
PT Pertamina (Persero)  
PT Perusahaan Gas Negara Tbk  
PT Perusahaan Listrik Negara (Persero)  
PT Perusahaan Perkebunan London Sumatra  
Indonesia Tbk  
PT Salim Ivomas Pratama Tbk  
PT Sawit Sumbermas Sarana Tbk  
PT Soechi Lines Tbk  
PT Timah Tbk  
PT United Tractors Tbk  
PT Wismilak Inti Makmur Tbk  
PTT EXPLORATION AND PRODUCTION PUBLIC  
COMPANY LIMITED  
PTT GLOBAL CHEMICAL PUBLIC COMPANY  
LIMITED  
PUBLIC POWER CORPORATION S.A.  
Pyxus International, Inc.  
Qatar Electricity and Water Company Q.P.S.C.  
Qatar Fuel Company QPSC  
QATAR GAS TRANSPORT COMPANY LIMITED  
[NAKILAT] [QPSC]  
QatarEnergy  
Quadra Power Generation PJSC  
R.J. Reynolds Tobacco Holdings, Inc.  
Raizen Energia S.A.  
RAMACO RESOURCES, INC.  
RANGE RESOURCES CORPORATION  
Raspadsкая OAO  
RATCH GROUP PUBLIC COMPANY LIMITED  
RATTANINDIA POWER LIMITED  
Red Rock Resorts, Inc.



RELIANCE INFRASTRUCTURE LIMITED  
RELIANCE POWER LIMITED  
Renaissance Insurance Group JSC  
Repsol S.A.  
Reshef Technologies Ltd.  
Reynolds American, Inc.  
RILEY EXPLORATION PERMIAN, INC.  
RING ENERGY INC.  
Rio Zim Ltd.  
RLX Technology, Inc.  
Rosgosstrakh PJSC  
Rosneft Oil Co PJSC  
Rosseti Centre PJSC  
Rosseti Kuban PJSC  
Rosseti Lenenergo PJSC  
Rosseti Moscow Region PJSC  
Rosseti North Caucasus PJSC  
ROSSETI PJSC  
Rosseti Siberia PJSC  
Rosseti South PJSC  
Rosseti Volga PJSC  
Rostec  
Rostec Corp.  
Rostec State Corp  
Rostelecom PJSC  
Rostovoblgaz PJSC  
RUBIS SCA  
RusHydro PJSC  
Rusolovo PJSC  
Ruspolimet OJSC  
Russia Federation  
Russian Agricultural Bank  
Russian Agricultural Bank OJSC Via RSHB  
Capital SA  
Russian Aquaculture PJSC  
Russian Direct Investment Fund  
Russian Railways JSC  
RussNeft PJSC  
Ryazan Energy Retail Co PJSC  
SA GESTION SECURITE DE STOCKS SECURITE  
SABAL TRAIL TRANSMISSION, LLC  
SABINE PASS LIQUEFACTION, LLC  
SABLE OFFSHORE CORP.  
SAIBU GAS HOLDINGS CO.,LTD.  
SAIC Motor Corp. Ltd  
Samaraenergo PJSC  
Samarco Mineracao SA  
SAMCHULLY CO.,LTD  
Samolet Group  
SAN MIGUEL CORPORATION  
SAN-AI OBBLI CO., LTD.  
Sandhar Technologies Limited  
SANDRIDGE ENERGY, INC.  
Santos  
SANTOS LIMITED  
Saratovskiy Neftepererabatyvayuschiy Zavod  
PJSC  
SARDA ENERGY & MINERALS LIMITED  
Sasol Financing International Plc  
Sasol Financing USA LLC  
SASOL LIMITED  
Sasol Ltd  
Saudi Arabian Oil Company  
Saudi Aramco Base Oil Company - Luberef  
SJSC  
Saudi Electricity Company SJSC  
Sberbank of Russia PJSC  
Sberbank of Russia Via SB Capital SA  
Scandinavian Tobacco Group A/S  
Schlumberger N.V.  
SCOTLAND GAS NETWORKS PLC  
Seadrill Limited  
Segezha Group PJSC  
Seligdar PJSC  
SEBICORP INDUSTRIES LTD  
Sembcorp Salalah Power and Water Company  
SAOG  
Semirara Mining and Power Corporation  
SEMPRA  
SENKO Group Holdings Co.,Ltd.  
SEPLAT ENERGY PLC  
SERICA ENERGY PLC  
Severalmaz PAO  
Severstal PAO  
SFI PJSC

Shaanxi Coal and Chemical Industry Group Co.,  
Ltd.  
Shaanxi Coal Industry Company Limited  
Shaanxi Jinye Science Technology &  
Education Group Co., Ltd.  
Shaanxi Yanchang Petroleum (Group) Co., Ltd  
SHAN XI HUA YANG GROUP NEW ENERGY CO.,  
LTD.  
SHANDONG ENERGY GROUP CO., LTD  
Shandong Finance Investment Group Co., Ltd.  
SHANGHAI ELECTRIC POWER CO., LTD.  
Shanghai Industrial Holdings Limited  
Shanghai Shunho New Materials Technology  
Co., Ltd.  
Shanxi Coal International Energy Group Co.,  
Ltd.  
Shanxi Coking Coal Energy Group Co., Ltd.  
Shanxi Lu'an Environmental Energy Dev. Co.,  
Ltd  
Shein  
SHELF DRILLING HOLDINGS, LTD.  
SHELL PLC  
Shenergy Company Limited  
Shenzhen Energy Group Co., Ltd.  
Shenzhen Jinjia Group Co., Ltd.  
Shenzhen Yinghe Technology Co., Ltd.  
SHIPPING CORPORATION OF INDIA LIMITED  
SHIZUOKA GAS CO.,LTD.  
SHOUGANG FUSHAN RESOURCES GROUP  
LIMITED  
Shumen Tabac AD  
SIAM CITY CEMENT PUBLIC COMPANY LIMITED  
Sila Holding AD  
SINANEN HOLDINGS CO., LTD.  
SINCERE NAVIGATION CORPORATION  
Sinnar Bidi Udyog Ltd.  
Sinopec Kantons Holdings Limited  
Sinotruk Hong Kong Ltd.  
Sistema PJSC  
SITAB  
SITIO ROYALTIES CORP.  
SJVN Lmt.  
SK Discovery Co.,Ltd.  
SK GAS LTD  
SK Holdings Co  
SK Inc.  
SK Innovation Co Ltd  
SK Innovation Co., Ltd.  
Slantse Stara Zagora Tabac AD  
Slavneft-Megionneftegaz PPO OAO  
Slavneft-Megionneftegazgeologia OAO  
Slavneft-Yaroslavnefteorgsintez OJSC  
SLC Agricola SA  
SM ENERGY COMPANY  
Smoores International Holdings Limited  
SNAM S.P.A.  
SNT DYNAMICS Co., Ltd.  
SNT Holdings Co., Ltd.  
Societe Nationale d'exploitation Industrielle  
des Tabacs  
S-Oil Corporation  
Sojitz Corporation  
Sokolskiy Pulp & Paper  
Solar Defence & Aerospace Ltd.  
Solar Industries India Limited  
Solikamsk Magnesium Plant OJSC  
Sollers PJSC  
South Bow Corporation  
SOUTH JERSEY INDUSTRIES, INC.  
South32  
SOUTH32 LIMITED  
Southern Copper  
SOUTHERN GAS NETWORKS PLC  
South-Kuzbass GRES OAO  
SOUTHWESTERN ELECTRIC POWER COMPANY  
SOUTHWESTERN ENERGY COMPANY  
Sovcombank PJSC  
Sovcomflot PJSC  
Sovereign Wealth Fund Samruk-Kazyna Joint  
Stock Company  
SPARTAN DELTA CORP.  
SPB Exchange PJSC  
Special Machine Building & Metallurgy PJSC  
Spire Inc.  
SPP - distribucia, a.s.  
Sredneurskij Medeplavilnyj Zavod OAO

STANMORE RESOURCES LIMITED  
STAR GROUP, L.P.  
Star Petroleum Refining Public Company  
Limited  
STATE POWER INVESTMENT CORPORATION  
LIMITED  
State-Owned Foreign Trade Unitary Enterprise  
Belpetsvneshtech  
STOLT-NIELSEN LIMITED  
Strike Energy Ltd  
Strumica Tabak AD  
SUI NORTHERN GAS PIPELINES LIMITED  
SUI SOUTHERN GAS COMPANY LIMITED  
Sumiseki Holdings, Inc.  
SUMITOMO CORPORATION  
SUMMIT MIDSTREAM CORPORATION  
SUNCOKE ENERGY, INC.  
Suncor Energy Inc.  
SUNOCO LP  
Superior Plus Corp.  
SURGE ENERGY INC  
Surgutneftegas PJSC  
SWAN ENERGY LIMITED  
Swedish Match AB  
Synthetic Moulders Ltd.  
Sysmanzoloto OAO  
Ta Ann Holdings Bhd  
Taganrog Boiler-Making Works Krasny  
kotelshchik PJSC  
TALEN ENERGY CORP  
TALOS ENERGY INC.  
TAMARACK VALLEY ENERGY LTD.  
TAMPA ELECTRIC COMPANY  
Tanzania Cigarette Co. Ltd.  
TAQA MOROCCO SA  
TARGA RESOURCES CORP.  
Tatneft PJSC  
Tattelecom PJSC  
TBEA  
TBEA CO., LTD.  
TC Energy Corporation  
TCS Group Holding PLC  
Tecpetrol S.A.  
TEEKAY CORPORATION LTD.  
TENAGA NASIONAL BERHAD  
TENNESSEE GAS PIPELINE COMPANY, L.L.C.  
TEREGA SA  
TEREGA SAS  
TERRACOM LIMITED  
TEXAS EASTERN TRANSMISSION, LP  
Texas Pacific Land Corp  
Texhong Textile Group Limited  
TGC-1 PJSC  
TGC-2 PJSC  
TGK-14 PJSC  
Thai Oil Public Company Limited  
The Day & Zimmermann Group, Inc.  
THE GREAT EASTERN SHIPPING COMPANY  
LIMITED  
THE HONG KONG AND CHINA GAS COMPANY  
LIMITED  
THE HUB POWER COMPANY LIMITED  
THE ISRAEL ELECTRIC CORP. LTD.  
The Okinawa Electric Power Company,  
Incorporated  
THE SOUTHERN COMPANY  
THE TATA POWER COMPANY LIMITED  
THE WILLIAMS COMPANIES, INC.  
Thungela Resources Ltd  
Tian Lun Gas Holdings Limited  
TIANDI SCIENCE & TECHNOLOGY CO.LTD  
TIANJIN PORT DEVELOPMENT HOLDINGS  
LIMITED  
Tingo Group  
TIPCO Asphalt Public Company Limited  
TNS energo Nizhny Novgorod PJSC  
TNS energo Rostov-on-Don PJSC  
TNS Energo Voronezh PJSC  
TNS energo Yaroslavl PJSC  
TNS Energos PJSC  
TOHO GAS CO., LTD.  
Tohoku Electric Power Company,  
Incorporated  
TOKAI Holdings Corporation  
Tokyo Electric Power Company Holdings,  
Incorporated



TOKYO GAS CO.,LTD.  
Tong Ren Tang Technologies Co., Ltd.  
Tongling Nonferrous Metals Group  
TOPAZ ENERGY CORP  
TORM PLC  
TotalEnergies SE  
TOURMALINE OIL CORP.  
Towngas Smart Energy Company Limited  
Toyo Ventures Holdings Bhd.  
TPI Polene Power Public Company Limited  
TransAlta Corporation  
TRANSCANADA PIPELINES LIMITED  
Transcoal Pacific Tbk PT  
TRANSCONTINENTAL GAS PIPE LINE  
COMPANY, LLC  
TransFin-M PAO  
Transkapitalbank  
TRANSMONTAIGNE PARTNERS LLC  
Transocean Ltd.  
Transportadora de Gas del Peru S.A.  
Transportadora de Gas del Sur S.A.  
TRANSPORTADORA DE GAS INTERNACIONAL  
S.A. ESP  
Trina Solar  
Trinidad Generation Unlimited  
TRI-STATE GENERATION AND TRANSMISSION  
ASSOCIATION, INC.  
TriSummit Utilities Inc.  
TSL Ltd.  
TUCSON ELECTRIC POWER COMPANY  
Tulachermet PAO  
Tulamashzavod  
Tulanefteprodukt PJSC  
TULLOW OIL PLC  
TURKIYE PETROL RAFINERILERI ANONIM  
SIRKETI  
Turning Point Brands, Inc.  
Turquoise Hill Resources Ltd.  
Tutaev Motor Plant OAO  
Tutunski Kombinat AD Pilep  
Tverskoy Vagonostroitelny Zavod  
Uchalinskiy Gorno-Obogatitelny Kombinat  
OAO  
Udmurtneft OAO  
Ufaleynickel PJSC  
Ugol'naya Kompaniya Yuzhnyy Kuzbass PAO  
U-MING MARINE TRANSPORT CORPORATION  
Union Investment Corp.

UNION PACIFIC CORPORATION  
Union Tobacco & Cigarette Industries Co.  
United Aircraft Corporation  
United Co RUSAL International PJSC  
United Credit Systems PJSC  
UNITED ENERGY GROUP LIMITED  
United Shipbuilding Corporation  
United Wagon Co PJSC  
Universal Corporation  
Ural Bank for Reconstruction and  
Development  
Uralelektromed OAO  
Uralkali PJSC  
Uralsib Bank PJSC  
Uralskaya Kuznitsa OAO  
Uralvagonzavod  
UTair Aviation PJSC  
VAALCO ENERGY, INC.  
Valaris Limited  
VALERO ENERGY CORPORATION  
VANTAGE DRILLING INTERNATIONAL  
VAR ENERGI ASA  
Varyeganneftegaz PJSC  
Vector Group Ltd.  
Vedanta Limited  
Vedanta Resources Finance II Plc  
Vedanta Resources Jersey Ltd.  
Vedanta Resources Ltd  
VEREN INC.  
VERMILION ENERGY INC.  
VERTEX ENERGY, INC.  
Vibra Energia S.A.  
Victory City International Holdings Ltd.  
Vier Gas Transport GmbH  
Viper Energy, Inc.  
VITAL ENERGY, INC.  
VITESSE ENERGY, INC.  
VIVA ENERGY GROUP LIMITED  
VK Co Ltd  
Vnesheconombank Via VEB Finance PLC  
Volcan Cia Minera SAA  
VPR Brands LP  
VSMPO-AVISMA Corp PJSC  
VST Industries Limited  
VTB Bank PJSC  
Vyborg Shipyard PAO  
W&T OFFSHORE, INC.  
Walchandnagar Industries Ltd.

WASHINGTON H. SOUL PATTINSON AND  
COMPANY LIMITED  
WEATHERFORD INTERNATIONAL PUBLIC  
LIMITED COMPANY  
Wee-Cig International Corp.  
West Indian Tobacco Co. Ltd.  
WESTERN MIDSTREAM OPERATING, LP  
Westshore Terminals Investment Corporation  
WHITECAP RESOURCES INC.  
WHITEHAVEN COAL LIMITED  
Wilmar International Ltd  
WINTIME ENERGY GROUP CO.,LTD.  
WISCONSIN ELECTRIC POWER COMPANY  
WISCONSIN POWER AND LIGHT COMPANY  
WISCONSIN PUBLIC SERVICE CORPORATION  
Woodside Energy  
WOODSIDE ENERGY GROUP LTD  
WORLD KINECT CORPORATION  
World Trade Center Moscow PJSC  
WTK Holdings Bhd  
X5 Retail Group NV  
Xinjiang Nonferrous Metal Industry Group Co  
Ltd  
Xinjiang Zhongthai Chemical  
Yakutsk Fuel-Energy Co PJSC  
Yakutskenergo PJSC  
Yamaltransstroj PJSC  
YANCOAL AUSTRALIA LTD  
Yankuang Energy Group Company Limited  
YINSON HOLDINGS BERHAD.  
Youngor Group Co., Ltd.  
YPF Sociedad Anonima  
YTL CORPORATION BERHAD  
YTL POWER INTERNATIONAL BERHAD  
Yunnan Baiyao Group Co., Ltd.  
Yuzhno-Ural'skij nikel'nyy kombinat PJSC  
Yuzhural-Asko PJSC  
Zavod Imeni VA Degtyareva OAO  
Zen Technologies Ltd.  
Zhejiang Zheneng Electric Power CO., LTD  
Zhen Ding Technology Holding Ltd.  
ZHONGYU ENERGY HOLDINGS LIMITED  
Zijin International Capital Co., Ltd.  
Zijin International Finance Co., Ltd.  
Zijin Mining  
ZIL PJSC  
ZTE Corp

## EU Climate Transition Benchmarks exclusions (CTB)

Activity based exclusions referred to in Commission Delegated Regulation (EU) 2022/1818, Article 12(a)-12(c) as further defined the [Exclusion Instruction](#).

### Excluded Investments

22nd Century Group, Inc.  
A-1 Group, Inc.  
Abrau-Durso PJSC  
AcBel Polytech, Inc.  
Acron PJSC  
Adani Abbot Point Terminal Pty Ltd.  
Adani Enterprises  
Adani Green Energy  
Adani Ports & Special Economic Zones  
Aeroflot PJSC  
Aerospace Long-March International Trade  
Co., Ltd.  
AFGRI Ltd.  
Aganeftegazgeologia OAO  
Agrofirma Mcenskaya OAO  
Al-Eqbal Co. for Investment Plc  
Alfa-Bank  
Almaz-Antei PAO  
Alrosa PJSC  
ALROSA-Nyurba PJSC  
Altadis Emisiones Financieras SA  
Altadis SA  
Altria Group, Inc.  
American Heritage International, Inc.  
AMVIG Holdings Ltd.  
Anhui GreatWall Military Industry Co., Ltd.

Anhui Military Industry Group Holding Co. Ltd.  
Aphria  
Arab Organization for Industrialization  
Archer-Daniels Midland Co.  
Arcis Resources Corp.  
Arktikneftegazstroy OAO  
Aryt Industries Ltd.  
Asberry 22 Holdings, Inc.  
Aselsan Elektronik Sanayi ve Ticaret AS  
Asenovgrad Tabac AD  
Ashoka Manufacturing Ltd  
Atomic Energy Power Corp.  
Avangard Bank PJSC  
Avary Holding (Shenzhen) Co., Ltd.  
Avibras Industria Aeroespacial SA  
AviChina Industry & Technology  
Aziyo Biologics, Inc.  
B.A.T Capital Corp.  
B.A.T. Finance BV  
B.A.T. International Finance Plc  
B.A.T. Netherlands Finance BV  
BADECO ADRIA dd  
Bajaj Hindustan Sugar Ltd.  
Bamtonnelstroy  
Bank Otkritie Financial Corp OJSC Via OFCB  
Capital PLC

Bank Otkritie Financial Corp PJSC/Tochka  
Bank Rossiya OAO  
Bank St Petersburg PJSC  
Bank ZENIT PJSC  
Barrick (PD) Australia Finance Pty Ltd.  
Barrick Gold  
Barrick Gold Finance Co.  
Barrick North America Finance LLC  
Barrick TZ Ltd.  
Bashneft PJSC  
BAT Brasil  
Beijing Tong Ren Tang Chinese Medicine Co.,  
Ltd.  
Beijing Tongrentang Co., Ltd.  
Belon OJSC  
Belspetsvneshtekhnika  
Beluga Group PJSC  
Bharat Dynamics Limited  
Bharat Electronics Limited  
Bharat Heavy Electricals Ltd  
Black Sea Trade & Development Bank  
BRF SA  
British American Tobacco Argentina SAICYF  
British American Tobacco Australasia Ltd.  
British American Tobacco Bangladesh  
Company Limited



British American Tobacco Chile Operaciones SA  
British American Tobacco Co. Ltd.  
British American Tobacco Holdings (The Netherlands) BV  
British American Tobacco Italia SpA  
British American Tobacco Kenya Plc  
British American Tobacco Malaysia Bhd.  
British American Tobacco Peru Holdings Ltd.  
British American Tobacco plc  
British American Tobacco Uganda Ltd.  
British American Tobacco Yava Jsc  
British American Tobacco Zambia PLC  
British American Tobacco Zimbabwe Ltd.  
Bulgartabac Holding AD  
Bunge Alimentos SA  
Bunge Brasil SA  
Bunge Finance Europe BV  
Bunge Ltd  
Bunge Ltd. Finance Corp.  
Bunge NA Finance LP  
Cargill  
Carreras Ltd.  
Cat Loi JSC  
Center for Cargo Container Traffic  
TransContainer PJSC  
Centerenergyholding JSC  
Centrais Eletricas Brasileiras SA (Eletrobras)  
Central Bank of the Russian Federation/The  
Central Telegraph PJSC  
Cetelem Bank  
Ceylon Tobacco Company Plc  
Changhong Meiling Co., Ltd.  
Charlie's Holdings, Inc.  
Chelyabinsk Forge & Press Plant PJSC  
Chelyabinsk Metallurgical Plant PJSC  
Chelyabinsk Pipe Plant PJSC  
Cherkizovo Group PJSC  
China Aerospace Science & Industry Corp. Ltd.  
China Aerospace Science & Technology Corp.  
China Boton Group Company Limited  
China Coal Energy Co Ltd  
China National Nuclear Corp.  
China National Petroleum Corporation (CNPC)  
China North Industries Corp.  
China North Industries Group Corp. Ltd.  
China Nuclear Engineering & Construction Corp. Ltd.  
China Poly Group Corp. Ltd.  
China Shipbuilding Industry Co., Ltd.  
China Tobacco International (HK) Company Limited  
China Traditional Chinese Medicine Holdings Co. Ltd.  
Chrezvichainaia strahovaia co CHSK OAO  
CNOOC Canada, Inc.  
CNOOC Curtis Funding No. 1 Pty Ltd.  
CNOOC Finance [2003] Ltd.  
CNOOC Finance [2011] Ltd.  
CNOOC Finance [2012] Ltd.  
CNOOC Finance [2013] Ltd.  
CNOOC Finance [2014] ULC  
Cnooc Finance [2015] Australia Pty Ltd.  
CNOOC Finance [2015] U.S.A. LLC  
CNOOC Ltd  
Coka Duvanska Industrija AD  
Commercial Sea Port of Vladivostok PJSC  
Companhia Energetica De Minas Gerais (CEMIG)  
Conoco Funding Co.  
ConocoPhillips  
ConocoPhillips Australia Funding Co.  
ConocoPhillips Canada Funding Co. I  
ConocoPhillips Canada Funding Co. II  
ConocoPhillips Co.  
Consolidated Cigar Holdings, Inc.  
CoreCivic Corp  
Credit Bank of Moscow PJSC  
CTO Co. Ltd.  
Dalmoreprodukt  
Daqo New Energy Corp.  
Defence Industries Organization  
DTE Energy Co  
Dupnitsa-Tabak AD  
Dushanzi Petrochemical Company  
Duvanska Industrija AD Bujanovac

Duvanski Kombinat ad Podgorica  
Eastern Co. (Egypt)  
Elbit Systems Ltd.  
Elektrostal OAO  
Elentec Co., Ltd.  
ElSewedy Electric Co  
EM-Tech. Co., Ltd.  
EN+ Group International PJSC  
Enbridge Inc  
ENEL RUSSIA PJSC  
Energospecmontazh  
Energy Transfer Equity LP  
Energy Transfer Operating LP  
European Eltech PJSC  
Evraz Plc  
Eximbank of Russia  
Exxon Mobil Corporation  
Far-Eastern Energy Co PJSC  
Far-Eastern Shipping Co PLC  
Federal Grid Co Unified Energy System PJSC  
First Pacific Company Limited  
Formosa Chemicals & Fibre Corp.  
Formosa Taffeta Co., Ltd.  
Freeport McMoRan  
Gaikiiy GOK OAO  
Gazkon PJSC  
Gazprom Gazoraspredelenie Syktyvkar AO  
Gazprom Neft PJSC  
Gazprom PJSC  
Gazprom PJSC Via Gaz Capital SA  
Gazprom PJSC via Gaz Finance PLC  
Gazprombank  
Gaz-service PJSC  
GAZ-Tek PJSC  
GCL New Energy Holdings Limited  
GCL Technology  
GCM Resources plc  
Gemini Group Global Corp.  
GenBank  
Genting Bhd  
Genting Plantations Berhad  
GEO Group  
Geotech Seismic Services PJSC  
Gilla, Inc.  
Giprospeitzgaz OAO  
Glencore  
Godfrey Phillips India Ltd.  
Golden Agri-Resources Ltd  
Golden Tobacco Ltd.  
Gotse Delchev Tabac AD  
Grand Pharmaceutical Group Ltd.  
Greenlane Holdings, Inc.  
Grupo Mexico SAB de CV  
Gruppa kompaniy kommunalnuy sfery PAO  
Gtlk Europe Capital DAC  
Guangdong DFP New Material Group Co., Ltd.  
Guangdong New Grand Long Packing Co., Ltd.  
Halcyon Agri Corp Ltd  
HALS-Development PJSC  
Haoxiangni Health Food Co., Ltd.  
Harmony Gold Mining Co Ltd  
Harrys Manufacturing Inc.  
HIKVision  
Hoang Long Group  
Honeys Holding  
Hoshine Silicon Industry Co., Ltd.  
Hotel Kosmos OAO  
Hrvatski Duhani dd  
Huabao International Holdings Limited  
Huaihe Energy (Group) Co., Ltd.  
Human Stem Cells Institute PJSC  
Icon Vapor, Inc.  
IDGC of Centre and Volga Region PJSC  
IDGC of the North-West PJSC  
IDGC of Urals JSC  
IMA T&T SpA  
Imperial Brands Finance Netherlands BV  
Imperial Brands Finance Plc  
Imperial Brands PLC  
Imperial Oil Ltd  
Indofood Agri Resources Ltd.  
Ingosstrakh Insurance Co  
INGRAD OOO  
Inner Mongolia Baotou Steel Union Co  
Inter RAO UES PJSC  
INVEST-DEVELOPMENT PJSC

IOI Corporation Berhad  
IOI Investment Labuan Bhd.  
Irkutskenergo PJSC  
Ispire Technology, Inc.  
ITC Limited  
Izhorskiye Zavody PJSC  
Japan Tobacco, Inc.  
Jastrzebska Spolka Weglowa SA  
JBJ Technologies Ltd.  
JBS Finance II Ltd.  
JBS SA  
JBS USA Finance, Inc.  
JBS USA LLC  
Jerusalem Cigarette Co. Ltd.  
JG Summit Holdings, Inc.  
Jiangsu Guotai International Group Co., Ltd.  
Jiangxi Copper Co Ltd  
Jinko Solar Co  
JMW LPS Ltd.  
Jointown Pharmaceutical Group Co., Ltd.  
JSC Kalashnikov  
JT International Financial Services BV  
Kalugaputmarsh  
Kaluzsky Plant of Automobile Electrical Equipment OAO  
Kamaz PJSC  
Kamchatskenergo PJSC  
Karelia Tobacco Co., Inc.  
Khanty-Mansiyskstroy OAO  
Khyber Tobacco Co. Ltd.  
KIBO Energy PLC  
Kimree, Inc.  
Kinetic Development Group Limited  
Komi Energobytovaya Co OAO  
Komitex JSC  
Korporatsiya Takticheskoe Raketnoe Vooruzhenie OAO  
Korporatsiya Takticheskoe Raketnoe Vooruzhenie OAO  
Korshynov Mining Plant PJSC  
Kovrovskiy Mekhanicheskii Zavod OAO  
Krasfarma OAO  
Krasnoyarskenergosbyt PJSC  
Krasnoyarsknefteproduct  
Krasnyj Ocityabr PJSC  
Kriogenmash PAO  
KSB Limited  
KSB SE & Co. KGaA  
KT&G Corp.  
KTK Group Co., Ltd.  
Kuban Trunk Grid  
KuibyshevAzot PJSC  
Kurganskaya Generiruyushchaya Kompaniya PAO  
Kuzbasskaya Toplivnaya Co JSC  
Larsen & Toubro Limited  
Leidos, Inc.  
Lengazspecstroy OAO  
Lens Technology Co Ltd  
Lenzoloto PJSC  
Li Ning Company Limited  
LIG Corp.  
LIG Nex1 Co., Ltd.  
Litu Holdings Limited  
Lockheed Martin Corporation  
Lorillard LLC  
LSR Group PJSC  
LT Group, Inc.  
LUKOIL PJSC  
Luthai Textile Co Ltd  
Luxshare Precision Industry Co Ltd  
M.Video PJSC  
Magadanenergo PJSC  
Magnit PJSC  
Magnitogorsk Iron & Steel Works PJSC  
Marathon Petroleum Corp  
Mechel PJSC  
MegaFon PJSC  
Metafrax OAO  
Metallurgical Corporation of China  
Mikron JSC  
Minerva SA  
MMC Norilsk Nickel PJSC  
Mobile TeleSystems PJSC  
Moscow City Telephone Network PJSC  
Moscow Exchange MICEX-RTS PJSC



|                                                       |                                                              |                                              |
|-------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------|
| Mosenergo PJSC                                        | Raspadskaya OAO                                              | South32                                      |
| Mostotrest PJSC                                       | Red Rock Resorts, Inc.                                       | Southern Copper                              |
| MTAR Technologies Ltd.                                | Renaissance Insurance Group JSC                              | South-Kuzbass GRES OAO                       |
| Muhibbah Engineering (M) Bhd.                         | Reshef Technologies Ltd.                                     | Sovcombank PJSC                              |
| Nauchno-Proizvodstvennoe Obединenie S plav OAO        | Reynolds American, Inc.                                      | Sovcomflot PJSC                              |
| NC Rosneft- Kubanefteproduct PJSC                     | Rio Zim Ltd.                                                 | SPB Exchange PJSC                            |
| Ngan Son JSC                                          | RLX Technology, Inc.                                         | Special Machine Building & Metallurgy PJSC   |
| Nikotiana BT Holding AD                               | Rosgosstrakh PJSC                                            | Sredneurskij Medeplavilnyj Zavod OAO         |
| Nitel OAO                                             | Rosneft Oil Co PJSC                                          | State-Owned Foreign Trade Unitary Enterprise |
| Nizhegorodoblغاز OAO                                  | Rosseti Centre PJSC                                          | Belspetsvneshtech                            |
| Nizhnkamskneftekhim PJSC                              | Rosseti Kuban PJSC                                           | Strumica Tabak AD                            |
| North Atlantic Trading Co., Inc.                      | Rosseti Lenenergo PJSC                                       | Surgutneftegas PJSC                          |
| Novatek PJSC                                          | Rosseti Moscow Region PJSC                                   | Swedish Match Ab                             |
| Novikombank AO                                        | Rosseti North Caucasus PJSC                                  | Synthetic Moulders Ltd.                      |
| Novolipetsk Steel PJSC                                | ROSSETI PJSC                                                 | Sysmanzoloto OAO                             |
| Novoroslesexport OAO                                  | Rosseti Siberia PJSC                                         | Ta Ann Holdings Bhd                          |
| Novorossiysk Commercial Sea Port PJSC                 | Rosseti South PJSC                                           | Taganrog Boiler-Making Works Krasny          |
| Novorossiyskiy Kombinat Khleboproduktov PAO           | Rosseti Volga PJSC                                           | kotelshchik PJSC                             |
| NTC Industries Ltd.                                   | Rostec                                                       | Tanzania Cigarette Co. Ltd.                  |
| NTPC Ltd                                              | Rostec Corp.                                                 | Tatneft PJSC                                 |
| Obnyeftegazgeologia OJSC                              | Rostec State Corp                                            | Tattelecom PJSC                              |
| OCP SA                                                | Rostelecom PJSC                                              | TBEA                                         |
| OFILM Group Co., Ltd.                                 | Rostovoblغاز PJSC                                            | TCS Group Holding PLC                        |
| OGK-2 PJSC                                            | Rushydro PJSC                                                | Texhong Textile Group Limited                |
| Oil & Natural Gas Corp                                | Rusolovo PJSC                                                | TGC-1 PJSC                                   |
| ONGC Videsh Ltd.                                      | Ruspolimet OJSC                                              | TGC-2 PJSC                                   |
| Oracle Power PLC                                      | Russia Federation                                            | TGK-14 PJSC                                  |
| Ordttech Military Industries                          | Russian Agricultural Bank                                    | The Day & Zimmermann Group, Inc.             |
| Organichesky Sintez PJSC                              | Russian Agricultural Bank OJSC Via RSHB                      | Tingo Group                                  |
| Otkritie Bank OJSC                                    | Capital SA                                                   | TNS energo Nizhny Novgorod PJSC              |
| Ozon Holdings PLC                                     | Russian Aquaculture PJSC                                     | TNS energo Rostov-on-Don PJSC                |
| Pakistan Ordnance Factories                           | Russian Direct Investment Fund                               | TNS Energo Voronezh PJSC                     |
| Pakistan Tobacco Co. Ltd.                             | Russian Railways JSC                                         | TNS energo Yaroslavl PJSC                    |
| Pazardzhik BTM AD                                     | RussNeft PJSC                                                | TNS Energos PJSC                             |
| Permenergosbyt PJSC                                   | Ryazan Energy Retail Co PJSC                                 | Tong Ren Tang Technologies Co., Ltd.         |
| PetroChina Company Limited                            | SAIC Motor Corp. Ltd                                         | Tongling Nonferrous Metals Group             |
| Petroleum Trading Lao Public Co                       | Samaraenergo PJSC                                            | Toyo Ventures Holdings Bhd.                  |
| Petropavlovsk PLC                                     | Samarco Mineracao SA                                         | TransFin-M PAO                               |
| Pharmacy Chain 36.6 PJSC                              | Samolet Group                                                | Transkapitalbank                             |
| Philip Morris (Pakistan) Ltd.                         | Sandhar Technologies Limited                                 | Trina Solar                                  |
| Philip Morris CR as                                   | Santos                                                       | TSL Ltd.                                     |
| Philip Morris International Inc.                      | Saratovskiy Neftepererabatyvayushchiy Zavod PJSC             | Tulachermet PAO                              |
| Philip Morris Operations AD                           | Sasol Financing International Plc                            | Tulamashzavod                                |
| Phillips 66                                           | Sasol Financing USA LLC                                      | Tulanefteprodukt PJSC                        |
| PhosAgro PJSC                                         | Sasol Ltd                                                    | Turning Point Brands, Inc.                   |
| Pigment OJSC                                          | Sberbank of Russia PJSC                                      | Turquoise Hill Resources Ltd.                |
| PIK Group PJSC                                        | Sberbank of Russia Via SB Capital SA                         | Tutaev Motor Plant OAO                       |
| PJSC SPC Energia                                      | Scandinavian Tobacco Group A/S                               | Tutunski Kombinat AD Prilep                  |
| Polymetal International Plc                           | Segezha Group PJSC                                           | Tverskoy Vagonostroitelny Zavod              |
| Polyus PJSC                                           | Seligidar PJSC                                               | Uchalinskiy Gorno-Obogatitelny Kombinat OAO  |
| Poongsan Corp.                                        | Severalmaz PAO                                               | Udmurtneft OAO                               |
| POONGSAN HOLDINGS Corp.                               | Severstal PAO                                                | Ufaleynickel PJSC                            |
| POSCO                                                 | SFI PJSC                                                     | Ugol'naya Kompaniya Yuzhnyy Kuzbass PAO      |
| Posco International Corp                              | Shaanxi Jinye Science Technology & Education Group Co., Ltd. | Union Investment Corp.                       |
| Positive Group PJSC                                   | Shanghai Industrial Holdings Limited                         | Union Tobacco & Cigarette Industries Co.     |
| Power Construction Corporation of China               | Shanghai Shunho New Materials Technology Co., Ltd.           | United Aircraft Corporation                  |
| Premier Explosives Ltd.                               | Shein                                                        | United Co RUSAL International PJSC           |
| Press Corporation Plc                                 | Shenzhen Jinjia Group Co., Ltd.                              | United Credit Systems PJSC                   |
| Press Metal Aluminium Holdings Berhad                 | Shenzhen Yinghe Technology Co., Ltd.                         | United Shipbuilding Corporation              |
| Press Metal Bhd.                                      | Shumen Tabac AD                                              | United Wagon Co PJSC                         |
| Priargunsky Industrial Mining and Chemical Union OAO  | Sila Holding AD                                              | Universal Corporation                        |
| Priisk Dambuki OAO                                    | Sinnar Bidi Udyog Ltd.                                       | Ural Bank for Reconstruction and Development |
| Primorie Bank PJSC                                    | Sinotruk Hong Kong Ltd.                                      | Uralkali PJSC                                |
| Proizvodstvennoye Ob Yedineniye Severnoye             | Sistema PJSFC                                                | UralSib Bank PJSC                            |
| Mashinostroitel'noye Predpriyatiye AO                 | SITAB                                                        | Uralskaya Kuznitsa OAO                       |
| Promsvyazbank                                         | SJVN Lmt.                                                    | Uralvagonzavod                               |
| PT Astra Agro Lestari Tbk                             | SK Holdings Co                                               | UTair Aviation PJSC                          |
| PT Astra International Tbk                            | SK Innovation Co Ltd                                         | Varyeganneftegaz PJSC                        |
| PT Bakrie & Brothers Tbk                              | Slantse Stara Zagora Tabac AD                                | Vector Group Ltd.                            |
| PT Barito Pacific Tbk                                 | Slavneft-Megionneftegaz PPO OAO                              | Vedanta Limited                              |
| PT Bentoel International Investama Tbk                | Slavneft-Megionneftegazgeologia OAO                          | Vedanta Resources Finance II Plc             |
| PT Gudang Garam Tbk                                   | Slavneft-Yaroslavlnefteorgsintez OJSC                        | Vedanta Resources Jersey Ltd.                |
| PT Hanjaya Mandala Sampoerna Tbk                      | SLC Agricola SA                                              | Vedanta Resources Ltd                        |
| PT Indofood Sukses Makmur Tbk                         | Smoores International Holdings Limited                       | Victory City International Holdings Ltd.     |
| PT Indonesian Tobacco Tbk                             | SNT DYNAMICS Co., Ltd.                                       | VK Co Ltd                                    |
| PT Perusahaan Perkebunan London Sumatra Indonesia Tbk | SNT Holdings Co., Ltd.                                       | Vnesheconombank Via VEB Finance PLC          |
| PT Salim Ivomas Pratama Tbk                           | Societe Nationale d'exploitation Industrielle des Tabacs     | Volcan Cia Minera SAA                        |
| PT Sawit Sumbermas Sarana Tbk                         | Sokolskiy Pulp & Paper                                       | VPR Brands LP                                |
| PT Wismilak Inti Makmur Tbk                           | Solar Defence & Aerospace Ltd.                               | VSMPO-AVISMA Corp PJSC                       |
| Pyxus International, Inc.                             | Solar Industries India Limited                               | VST Industries Limited                       |
| Quadra Power Generation PJSC                          | Solikamsk Magnesium Plant OJSC                               | VTB Bank PJSC                                |
| R.J. Reynolds Tobacco Holdings, Inc.                  | Sollers PJSC                                                 | Vyborg Shipyard PAO                          |
|                                                       |                                                              | Walchandnagar Industries Ltd.                |



Wee-Cig International Corp.  
West Indian Tobacco Co. Ltd.  
Wilmar International Ltd  
Woodside Energy  
World Trade Center Moscow PJSC  
WTK Holdings Bhd  
X5 Retail Group NV  
Xinjiang Nonferrous Metal Industry Group Co Ltd

Xinjiang Zhongthai Chemical  
Yakutsk Fuel-Energy Co PJSC  
Yakutskenergo PJSC  
Yamaltransstroy PJSC  
Youngor Group Co., Ltd.  
Yunnan Baiyao Group Co., Ltd.  
Yuzhno-Ural'skij nikel'nyj kombinat PJSC  
Yuzhural-Asko PJSC  
Zavod Imeni VA Degtyareva OAO

Zen Technologies Ltd.  
Zhen Ding Technology Holding Ltd.  
Zijin International Capital Co., Ltd.  
Zijin International Finance Co., Ltd.  
Zijin Mining  
ZIL PJSC  
ZTE Corp

## Principal Adverse Impact Exclusions for Sustainable Investments

Principal Adverse Impact Exclusions cover companies that are not meeting the PAI Thresholds set out in the Danske Bank [Sustainable Investment Model Methodology paper](#).

### Excluded Investments

A&T Corp.  
ABC-MART, INC.  
Abraxas Petroleum Corporation  
abrdn Holdings Ltd.  
ACC Limited  
Acerias Paz del Rio SA  
Acindar Industria Argentina de Aceros SA  
Acron PJSC  
ACTIVE BIOTECH AB  
ACWA Power Co.  
ACWA Power Management & Investments One Ltd.  
Adana Cimento Sanayii TAS  
Adani Power Limited  
Advanced Disposal Services, Inc.  
AECC Aviation Power Co., Ltd.  
Aeon Tohoku Co. Ltd.  
Aerospace Long-March International Trade Co., Ltd.  
Afluente Transmissao de Energia Eletrica SA  
African Oxygen (Pty) Ltd.  
African Rainbow Minerals Ltd.  
AGC Biologics SpA  
AgJunction Inc.  
AGL Energy Limited  
Air Partner Ltd.  
Aisha Steel Mills Ltd.  
Akansa Cimento Sanayi ve Ticaret AS  
Aker Offshore Wind AS  
Aksa Enerji Uretim AS  
Akzo Nobel Pakistan Ltd.  
Al Jouf Cement Co.  
Al Kamil Power Company SAOG  
Al Rajhi Co. for Cooperative Insurance  
Alcatel - Lucent Teletas Telekomunikasyon AS  
Algoma Steel Group Inc.  
Alto Central LLC  
Alto Ingredients, Inc.  
Alumina Limited  
Aluminium Extrusion Industries Plc  
Ameren Illinois Co.  
Ampla Energia e Servicos SA  
Andhra Paper Limited  
Angang Steel Co., Ltd.  
Anhui Conch Cement Company Limited  
Anhui GreatWall Military Industry Co., Ltd.  
Anhui Military Industry Group Holding Co. Ltd.  
Anjani Portland Cement Ltd.  
Anoto Group AB  
Anwar Galvanizing Ltd.  
Anyang Iron & Steel Co., Ltd.  
A-Online Capital [A.O.C.] Ltd.  
AP Alternative Portfolio AG  
Apollo Power Ltd.  
Arab Organization for Industrialization  
Arabian Cement Co.  
Arabian Cement Co. (Egypt)  
A-Rank Berhad  
ArcelorMittal Finance SA  
ArcelorMittal Kryvyi Rih PJSC  
ArcelorMittal SA  
ArcelorMittal South Africa Ltd.  
Arch Resources, Inc.  
Archaea Energy Inc.  
Arcplus Group PLC

ARIAKE JAPAN Co., Ltd.  
Arise AB  
Arrk Corp.  
Arshiya Limited  
Aryt Industries Ltd.  
Ashiana Ispat Ltd.  
Ashoka Manufacturing Ltd  
Asia Cement (China) Holdings Corp.  
ASIA CEMENT Co., Ltd.  
Asia Cement Corp.  
ASIA Holdings Co., Ltd.  
Asia Mineral JSC  
Asiana IDT, Inc.  
Aslan Cimento AS  
Asteel Group Berhad  
Atlantic Petroleum P/F  
Atlantska plovidba dd  
Atomic Energy Power Corp.  
Attock Cement Pakistan Ltd.  
Aura Systems, Inc.  
Australis Seafoods SA  
Autometal SA  
AVEO Pharmaceuticals, Inc.  
Avibras Industria Aeroespacial SA  
AviChina Industry & Technology Company Limited  
Bac Kan Mineral JSC  
Balkrishna Industries Limited  
Balochistan Glass Ltd.  
Bamburi Cement Co. Ltd.  
Bangchak Sriracha Public Company Limited  
Bank of Chengdu Co., Ltd.  
Bank of Overseas Chinese  
Banpu Power Public Co. Ltd.  
Bantec, Inc.  
Baoshan Iron & Steel Co., Ltd.  
Bao-Trans Enterprises Ltd.  
Barnwell Industries, Inc.  
Bashneft PJSC  
Basic Energy Services, Inc.  
Bastas Baskent Cimento Sanayi ve Ticaret AS  
BE Group AB  
Bedmutha Industries Ltd.  
Beijing Tong RenTang Co., Ltd.  
Beijing-Shanghai High-Speed Railway Co., Ltd.  
Bengang Steel Plates Co., Ltd.  
Bharat Dynamics Limited  
Bharat Heavy Electricals Limited  
Biosearch SA  
Birla Corporation Limited  
Bisichi Plc  
Bolu Cimento Sanayii AS  
Bookook Steel Co., Ltd.  
Borealis AG  
Boso Oil & Fat Co., Ltd.  
Boubyan Bank KSC  
Brederode SA  
BrewBilt Brewing Co.  
Brikor Ltd.  
Bristol & West Plc  
Brondbyernes I.F. Fodbold A/S  
Budapest Electricity Plc  
Bumi Investment Pte Ltd.  
Burgenland Holding AG  
C&D Newin Paper & Pulp Corporation Limited

Caltagirone SpA  
Can2 Termik AS  
Canfor Pulp Products Inc.  
Canvest Environmental Protection Group Company Limited  
Captor Capital Corp.  
CARIBBEAN UTILITIES COMPANY, LTD.  
Carton de Colombia SA  
Caspian Sunrise Plc  
CCOM Group, Inc.  
Celik Halat ve Tel Sanayii AS  
CEMEDINE Co., Ltd.  
Cementir Holding NV  
Cemento Polpaico SA  
Cementos Molins SA  
CEMEX Holdings Philippines, Inc.  
Centara Hotels & Resorts Leasehold Property Fund  
CENTROTEC SE  
Century Global Commodities Corporation  
Cerveceria Nacional  
CGN New Energy Holdings Co., Ltd.  
CGN Power Co., Ltd.  
CGX Energy Inc.  
Chang Yee Steel Co., Ltd.  
Changjiang Securities Co., Ltd.  
Chaozhou Three-Circle (Group) Co., Ltd.  
Chase Bright Steel Ltd.  
Chemical Company of Malaysia Berhad  
Cheng Shin Rubber Ind. Co., Ltd.  
China Aerospace Science & Industry Corp. Ltd.  
China Aerospace Science & Technology Corp.  
China Bluechemical Ltd.  
China Coal Energy Company Limited  
China Coal Xinji Energy Co., Ltd.  
China Hankang Holdings Ltd.  
China ITS (Holdings) Co., Ltd.  
China National Building Material Company Limited  
China National Chemical Engineering Co., Ltd.  
China National Nuclear Corp.  
China North Industries Corp.  
China North Industries Group Corp. Ltd.  
China Nuclear Engineering & Construction Corp. Ltd.  
China Oriental Group Company Limited  
China Poly Group Corp. Ltd.  
China Power International Development Limited  
China Resource & Environment Co., Ltd.  
China Resources Building Materials Technology Holdings Ltd.  
China Resources Power Holdings Co., Ltd.  
China Satellite Communications Co., Ltd.  
China Shanshui Cement Group Limited  
China Shipbuilding Industry Co., Ltd.  
China Tianrui Group Cement Company Limited  
China Traditional Chinese Medicine Holdings Co. Limited  
China United Network Communications Ltd.  
China West Construction Co., Ltd.  
China Zenith Chemical Group Limited  
Chinook Energy Inc.  
Chongqing Changan Automobile Co. Ltd.  
Chongqing Iron & Steel Company Limited



Chuo Kagaku Co., Ltd.  
Ciech Group Financing AB  
Cimentas Izmir Cimento Fabrikasi Turk AS  
Cimsa Cimento Sanayi ve Ticaret AS  
Citaglobal Berhad  
Citic Pacific Special Steel Group Co., Ltd.  
CITIC Press Corp.  
Citizens JMP Group LLC  
City Cement Co.  
Cleco Corporate Holdings LLC  
Cleco Power LLC  
Cleveland-Cliffs Steel Holding Corporation  
CMB Wing Lung Bank Ltd.  
CMG Cleantech SA  
CNOOC Finance [2003] Ltd.  
CNOOC Finance [2011] Ltd.  
CNOOC Finance [2012] Ltd.  
CNOOC Finance [2013] Ltd.  
CNOOC Finance [2014] ULC  
CNOOC Finance [2015] Australia Pty Ltd.  
CNOOC Finance [2015] U.S.A. LLC  
CNOOC Limited  
Coal India Ltd.  
Co-Diagnostics, Inc.  
Colorado Interstate Gas Co. LLC  
Companhia Estadual de Geracao e Transmissao de Energia Eletri  
Concrete Engineering Products Berhad  
Consolidated Edison, Inc.  
Construction Materials Industries & Contracting S.A.O.G.  
Construtora Sultepa SA  
Continental Gold, Inc.  
CoreCivic, Inc.  
Coreo AG  
CORESTATE Capital Holding SA  
Corsa Coal Corp.  
Corvus Gold Inc.  
Craft Brew Alliance, Inc.  
Crestchic Ltd. (East Midlands)  
Croatia Airlines dd  
Cubic Digital Technology Co., Ltd.  
D.G. Khan Cement Co. Ltd.  
D/S Norden A/S  
Da Nang Construction Building Materials Vicem JSC  
DAE DONG STEEL Co., Ltd.  
Daejoo Energy INnovation Technology Co., Ltd.  
Dahlbusch AG  
Dairibord Holdings Ltd.  
Daiyang Metal Co., Ltd.  
Dallah Healthcare Co.  
Dalmia Bharat Limited  
Dandot Cement Co. Ltd.  
Dar Al Arkan Real Estate Development Co.  
Data443 Risk Mitigation, Inc.  
Datang International Power Generation Co., Ltd.  
DCM Corp.  
DCW Limited  
De Grey Mining Limited  
Deep Yellow Limited  
Defence Industries Organization  
Denbury, Inc.  
Denison Mines Corp.  
DeTai New Energy Group Limited  
Dewan Cement Ltd.  
DFCITY Group Bhd.  
dhSteel  
DNO North Sea Plc  
Dominion Energy South Carolina, Inc.  
DONG SUH Companies Inc.  
DONGIL INDUSTRIES Co., Ltd.  
DONGYANG S TEC Co., Ltd.  
Dorogobuzh PJSC  
DTE Energy Company  
Duke Energy Ohio, Inc.  
Duke Energy Progress LLC  
Dukhan Bank QPSC  
Dusit Thani Freehold and Leasehold Real Estate Investment Trust  
Dynac Holdings Corp.  
East African Cables Plc  
Eastern Co. [Egypt]  
Eastern Treads Ltd.  
Ebara Corp.

Edesal Holding SA  
Eisen- und Huettenwerke AG  
EL Forge Ltd.  
EL5-Energo PJSC  
Elec & Eltek International Co. Ltd.  
Electricite de Strasbourg SA  
Electrotherm [India] Ltd.  
Elektrobras Participacoes SA  
Elutia Inc.  
Emakina Group SRL  
Emlak Konut Gayrimenkul Yatirim Ortakligi AS  
Empresa Agroindustrial Pomalca SA  
Empresa Distribuidora Sur SA  
En+ Group International PJSC  
Endo International Plc  
ENEA SA  
Energy Transfer LP  
Eng Electric Co., Ltd.  
ENGIE Energia Peru SA  
Engro Corporation Limited  
Entergy Louisiana LLC  
Entergy Mississippi LLC  
Entergy Texas, Inc.  
Entergy Utility Property, Inc.  
eRex Co., Ltd.  
Eskom Holdings SOC Ltd.  
ESL Steel Ltd.  
Eterna Capital Pte Ltd.  
Every Metro, Inc.  
Evertz Technologies Limited  
Exsa SA  
Ezdan Holding Group  
Facor Alloys Ltd.  
Farmers Edge Inc.  
Fauji Cement Co. Ltd.  
Federal Grid Co. ROSSETI PJSC  
Feishang Anthracite Resources Limited  
Fengxing Co., Ltd.  
Ferrocarri del Pacifico SA  
Ferroglobe USA, Inc.  
Fertilizantes Heringer SA  
FIDOR Bank AG  
First Metro Investment Corp.  
FirstEnergy Corp.  
FLSmith & Co. A/S  
Flying Cement Co. Ltd.  
Fonterra Shareholders' Fund  
Formosa Petrochemical Corp.  
Formosa Taffeta Co., Ltd.  
Forward Energy PJSC  
Forward Partners Group Plc  
French Connection Group Ltd.  
Friedman Industries, Incorporated  
FuelCell Energy, Inc.  
Fufeng Group Limited  
Fujairah Cement Industries Co.  
Fujian Funeng Co., Ltd.  
Funcom SE  
G J Steel Public Company Limited  
GasLog Ltd.  
Gaz Capital SA  
Gaz Finance Plc  
Gazprom Capital OOO  
Gazprom Neft PJSC  
Gazprom Neftekhim Salavat JSC  
Gazprom PJSC  
GCP Applied Technologies Inc.  
GD Power Development Co., Ltd.  
Gencor Industries, Inc.  
General Mining Co. Plc  
Genting Plantations Berhad  
Geo Coal International Pte Ltd.  
Geo Energy Resources Limited  
GEOSTR Corp.  
Ghandhara Tyre & Rubber Co. Ltd.  
Giorgio Fedon & Figli SpA  
Global Heavy Chemicals Ltd.  
Glow Energy Public Company Limited  
Golden Energy and Resources Limited  
Golden Minerals Company  
Golik Holdings Limited  
GOO Chemical Co., Ltd.  
Goodyear Lastikleri TAS  
Gotion High-tech Co., Ltd.  
Goyo Foods Industry Co., Ltd.  
GPH Ispat Ltd.

GPI Poznan Sp zoo  
Granite Oil Corp.  
Great Harvest Maeta Holdings Limited  
GRP Limited  
GRP Limited  
Grupa Azoty Zaklady Azotowe Pulawy SA  
Guangdong Baolihua New Energy Stock Co., Ltd.  
Guangdong Electric Power Development Co., Ltd.  
Guangdong Investment Limited  
Guangdong Zhongnan Iron & Steel Co., Ltd.  
Guizhou Wire Rope Co., Ltd.  
Gujarat Mineral Development Corporation Limited  
GUJARAT NARMADA VALLEY FERTILIZERS & CHEMICALS LIMITED  
Gulf Cement Co. PSC  
Guyana Goldfields Inc.  
Gyeongnam Steel Co., Ltd  
Hail Cement Co.  
Hallador Energy Company  
Hangzhou Iron & Steel Co., Ltd.  
HANIL CEMENT Co., Ltd.  
Hanil Holdings Co., Ltd.  
Hanil Hyundai Cement Co., Ltd.  
HANJIN HEAVY INDUSTRIES & CONSTRUCTION HOLDINGS Co., Ltd.  
Hanjin KAL Corp.  
Hankook & Company Co., Ltd.  
HANKOOK ATLASBX Co., Ltd.  
HANKOOK STEEL Co., Ltd.  
HANMI Semiconductor Co., Ltd.  
Hanwha Galleria Timeworld Co., Ltd.  
Harmony Gold Mining Co. Ltd.  
HD Hyundai Electric Co., Ltd.  
HD Hyundai Energy Solutions Co., Ltd.  
Hedera Group AB  
HEG Limited  
Heidelberg Materials Bangladesh Plc  
HeidelbergCement India Limited  
Herborium Group, Inc.  
Hibiscus Petroleum Berhad  
Hidili Industry International Development Limited  
HighPoint Resources Corporation  
Hindustan Oil Exploration Company Limited  
Hisar Metal Industries Ltd.  
HLA Group Corp. Ltd.  
Hoa Cam Concrete JSC  
Hod - Assaf Industries Ltd.  
Hokuetsu Metal Co., Ltd.  
Holcim Ecuador SA  
Home REIT Plc  
Honbridge Holdings Limited  
Honda Tsushin Kogyo Co., Ltd.  
Hoshine Silicon Industry Co., Ltd.  
HPSP Co., Ltd.  
Huadian Energy Co., Ltd.  
Huadian Power International Corporation Limited  
Huaibei Mining Holdings Co., Ltd.  
Huaneng Lancang River Hydropower Inc.  
Huaneng Power International, Inc.  
Huarui Electrical Appliance Co. Ltd.  
Huaxin Cement Co., Ltd.  
Huaxin Cement International Finance Co., Ltd.  
Hubei Energy Group Co., Ltd.  
Hunan Valin Steel Co., Ltd.  
Huon Aquaculture Group Pty Ltd.  
Hwa Fong Rubber Ind. Co., Ltd.  
Hyundai BNG Steel Co., Ltd.  
Hyundai Steel Co.  
IAMGOLD Corporation  
Iberdrola Australia Limited  
Idea Bank SA  
Ige+Xao SA  
Ilyich Iron & Steel Works of Mariupol  
Impex Ferro Tech Ltd.  
Inducto Steel Ltd.  
Industrial & Commercial Bank of China [Asia] Ltd.  
Industrial & Commercial Bank of China [Thai] Public Co., Ltd.  
Industrial Nanotech, Inc.  
Informatics Education Ltd.



Inner Mongolia Baotou Steel Union Co. Ltd.  
Inner Mongolia Junzheng Energy & Chemical Group Co., Ltd.  
Inner Mongolia Mengdian Huaneng Thermal Power Corp. Ltd.  
Inner Mongolia Yitai Coal Co., Ltd.  
Inoue Rubber (Thailand) Public Co. Ltd.  
Inter RAO UES PJSC  
International Industries Ltd.  
Interoil Exploration & Production ASA  
IPALCO Enterprises, Inc.  
Ipek Dogal Enerji Kaynaklari Arastirma ve Uretim AS  
Irkutskenergo JSC  
IT Tech Packaging, Inc.  
Itamar Medical Ltd.  
Ivanhoe Electric Inc.  
Izhstal PAO  
J.K. Cement Limited  
Jadroplov dd  
Jaiprakash Power Ventures Limited  
JALUX, Inc.  
Japan U-Pica Co., Ltd.  
Jastrzebska Spolka Weglowa SA  
Javedan Corporation Limited  
Jayaswal NECO Industries Ltd.  
JBJ Technologies Ltd.  
Jeco Co., Ltd.  
JEIL TECHNOS Co., Ltd.  
Jersey Central Power & Light Co.  
JFE Container Co., Ltd.  
JG Summit Holdings, Inc.  
Jiangsu Guoxin Corp. Ltd.  
Jiangxi Copper Company Limited  
Jiangxi Wannianqing Cement Co., Ltd.  
Jinduicheng Molybdenum Co., Ltd.  
Jinke Property Group Co., Ltd.  
Jinneng Holding Shanxi Coal Industry Co., Ltd.  
Jizhong Energy Resources Co., Ltd.  
JK Lakshmi Cement Limited  
JK Tyre & Industries Ltd.  
JMV LPS Ltd.  
Joby Aviation, Inc.  
Jointown Pharmaceutical Group Co., Ltd.  
JSW Energy Limited  
Jura Energy Corporation  
K. Kythreotis Holdings Public Ltd.  
Kanani Industries Ltd.  
Kanishk Steel Industries Ltd.  
Kawasaki Kinkai Kisen Kaisha Ltd.  
KB Insurance Co., Ltd.  
KCP Ltd.  
Kentucky Power Co.  
Kentucky Utilities Co.  
Kesoram Industries Limited  
KEUM KANG STEEL Co., Ltd.  
KIC Metaliks Ltd.  
Kilburn Chemicals Ltd.  
Kiler Holding AS  
KNT-CT Holdings Co. Ltd.  
Kobelco Eco-Solutions Co., Ltd.  
Kobelco Wire Co., Ltd.  
Kogi Corp.  
Kohat Cement Co. Ltd.  
Kona Grill, Inc.  
Korea East-West Power Co., Ltd.  
Korea Midland Power Co., Ltd.  
Korea South-East Power Co. Ltd.  
Korea Southern Power Co., Ltd.  
KOREA STEEL Co., Ltd. (South Korea)  
Korea Western Power Co., Ltd.  
Krasnoyarsk Hydropower Plant JSC  
Krypton Industries Ltd.  
KSB Limited  
KSB SE & Co. KGaA  
Kum Yang Co., Ltd.  
Kung Long Batteries Industrial Co., Ltd.  
Kuwait Cement Co. KPSC  
Kuwait Energy Plc  
Lafarge Africa PLC  
Laive SA  
Lake Resources N.L.  
Land and Houses Public Company Limited  
LandMark Optoelectronics Corp.  
Larsen & Toubro Limited  
LEDO plus doo

Lee & Man Chemical Co. Ltd.  
Lens Technology Co., Ltd.  
LG&E & KU Energy LLC  
Li Ning Company Limited  
Liberty Group Limited  
LIG Corp.  
LIG Nex1 Co., Ltd.  
Lilama 5 JSC  
Lilama 69-1 JSC  
Lilama Erection Mechanical JSC  
Lingyuan Iron & Steel Co., Ltd.  
Lion One Metals Limited  
Liquefied Natural Gas Limited  
Lockheed Martin Corporation  
LogicBio Therapeutics, Inc.  
Lohia Securities Ltd.  
Loma Negra Compania Industrial Argentina SA  
Losinjaska Plovidba - Holding dd  
Louisville Gas & Electric Co.  
LSR Group PJSC  
Lubelski Wegiel BOGDANKA SA  
Lucira Health, Inc.  
Luks Group (Vietnam Holdings) Co., Ltd.  
Luossavaara-Kiirunavaara AB  
Luxury Real Estate Investment Fund  
Lysaght Galvanized Steel Berhad  
M&A Capital Partners Co. Ltd.  
Magnum Ventures Ltd.  
Mahamaya Steel Industries Ltd.  
Majapahit Holding BV  
Major Cineplex Lifestyle Leasehold Property Fund  
Malakoff Corporation Berhad  
Malakoff Power Bhd.  
Malaysia Steel Works (KL) Bhd.  
Manho Rope & Wire Co., Ltd.  
Maple Leaf Cement Factory Ltd.  
Massmart Holdings Ltd.  
Mathios Refractory SA  
Mechel PAO  
Meghna Cement Mills Plc  
Meisei Electric Co., Ltd.  
Merafe Resources Ltd.  
Meritor, Inc.  
MESCO, Inc.  
Metallinvest Holding Co. JSC  
Metallurgical Corporation of China Ltd.  
Metinvest BV  
Metropolitan Edison Co.  
Miju Steel Mfg. Co., Ltd.  
Mississippi Power Co.  
Mobile TeleSystems PJSC  
Molitec Steel Co., Ltd.  
Morella Corporation Limited  
Mosaico Tecnologia ao Consumidor SA  
Mosenergo OAO  
Mouwasat Medical Services Co.  
MRF Limited  
MTAR Technologies Ltd.  
Multi Solutions II, Inc.  
Mutakamela Insurance Co.  
mySafety Group AB  
Maanshan Iron & Steel Company Limited  
NACCO Industries, Inc.  
Nahdi Medical Co.  
Naigai Trans Line Ltd.  
Najran Cement Co.  
Nakayama Steel Works, Ltd.  
Nampak Zimbabwe Ltd.  
Nanjing Iron & Steel Co., Ltd.  
National Aluminium Co. Ltd.  
National Fertilizers Ltd.  
National General Industries Ltd.  
National Gypsum Co.  
National Steel Industry Co.  
Naturgy Chile Gas Natural SA  
Nava Limited  
Navios Maritime Acquisition Corporation  
NCL Industries Ltd.  
Nestle Cote d'Ivoire SA  
Neturen Co., Ltd.  
Nevada Power Co.  
New Times Corporation Limited  
NexJ Systems Inc.  
Nichia Steel Works, Ltd.  
Nihon Kogyo Co., Ltd.

Ningbo Deye Technology Co., Ltd.  
Ningxia Building Materials Group Co., Ltd.  
Ningxia Zhongke Biotechnology Co., Ltd.  
Nippon Chutetsukan KK  
Nippon Chuzo KK  
Nippon Concrete Industries Co., Ltd.  
Nippon Kayaku Co., Ltd.  
Nippon Koshuha Steel Co., Ltd.  
Nishishiba Electric Co., Ltd.  
Nissin Electric Co. Ltd.  
NLC India Ltd.  
Noble Energy, Inc.  
Noble Midstream Partners LP  
North Hungarian Electricity Supply Plc  
Northern Region Cement Co.  
Northern States Power Co.  
Northern States Power Co. (Wisconsin)  
Northwest Pipeline LLC  
Norwest Energy Pty Ltd.  
Nova Iron & Steel Ltd.  
Novolipetsk Steel  
NTPC Limited  
Nuh Cimento Sanayi AS  
Nuverra Environmental Solutions, Inc.  
Nuvoco Vistas Corp. Ltd.  
OCBC Wing Hang Bank Ltd.  
Ohio Power Co.  
Oishi Group Public Company Limited  
Oleo e Gas Participacoes SA  
OMV Petrom SA  
OPP Liquidating Co., Inc.  
Oppein Home Group, Inc.  
Optare Plc  
Optos plc  
Ordttech Military Industries  
Orient Cement Limited  
Oriental Petroleum and Minerals Corporation  
ORLEN Unipetrol as  
Ostasiatiska Kompagni A/S  
Ozon Holdings Plc  
PA Mining Complex LP  
Pacific Drilling SA  
Painted Pony Energy Ltd.  
Pakistan Ordnance Factories  
Pakistan Paper Products Ltd.  
Pakistan Refinery Ltd.  
Palace Capital Plc  
Panchmahal Steel Ltd.  
Panhandle Eastern Pipe Line Co. LP  
PBF Logistics LP  
Peabody Energy Corporation  
Pennar Industries Limited  
Pennsylvania Electric Co.  
Perceptron, Inc.  
Petrolium SE  
PETRONAS Gas Berhad  
Petrovietnam Power Corp.  
PetroVietnam Power Nhon Trach 2 JSC  
PGE Polska Grupa Energetyczna SA  
PGE Sweden AB  
Phillips 66  
PhosAgro PJSC  
PIK-specialized homebuilder PJSC  
Pioneer Cement Ltd.  
Pioneer Food Group Ltd.  
Pla Matels Corp.  
Polenergia SA  
Politeknik Metal Sanayi ve Ticaret AS  
Poongsan Corp.  
POONGSAN HOLDINGS Corp.  
POSCO INTERNATIONAL Corp.  
POSCO STEELEON Co., Ltd.  
POSCO-Thainox Public Company Limited  
Power Assets Holdings Limited  
Power Cement Ltd.  
Power Construction Corporation of China, Ltd.  
PPC Ltd.  
Prakash Industries Limited  
Premier Cement Mills Plc  
Premier Explosives Ltd.  
Prinx Chengshan Holdings Limited  
Prism Johnson Limited  
Protective Insurance Corporation  
PSEG Power LLC  
PT Astra International Tbk  
PT Bumi Resources Minerals Tbk



PT Bumi Resources Tbk  
PT Dian Swastatika Sentosa Tbk  
PT Elnusa Tbk  
PT Golden Eagle Energy TBK  
PT Golden Energy Mines Tbk  
PT Goodyear Indonesia Tbk  
PT Indocement Tunggai Prakarsa Tbk  
PT Indonesia Asahan Aluminium (Persero)  
PT Lion Metal Works Tbk  
PT Lionmesh Prima Tbk  
PT Media Nusantara Citra Tbk  
PT Organon Pharma Indonesia Tbk  
PT Perusahaan Listrik Negara (Persero)  
PT Semen Baturaja Tbk  
PT Semen Indonesia (Persero) Tbk  
PT Solusi Bangun Indonesia Tbk  
Public Service Company of New Mexico  
Public Service Enterprise Group Incorporated  
Qatar Electricity & Water Co.  
Qatar International Islamic Bank  
Qatar National Cement Co.  
Qatari Investors Group  
Qemetica SA  
QMC Co., Ltd.  
Quang Nam Mineral Industry Corp.  
Quickfood SA  
Rainbow Tourism Group Ltd.  
Raizen Centro-Sulsa SA  
Rajasthan Tube Manufacturing Co. Ltd.  
Rang Dong Holding JSC  
Ranhill Utilities Bhd.  
Rank Group Plc  
Ras Al Khaimah Co. for White Cement & Construction Materials  
Ratch Pathana Energy Public Company Limited  
RattanIndia Power Limited  
ReadyMix Plc  
Red Rock Resorts, Inc.  
Reliance Natural Resources Ltd.  
Reliance Power Limited  
Renewable Energy Group, Inc.  
Reshef Technologies Ltd.  
Resonac Corp.  
RHB Securities (Thailand) Public Co., Ltd.  
Risesun Real Estate Development Co., Ltd.  
Riyadh Cement Co.  
Roc Oil Co. Pty Ltd.  
Rocket Internet SE  
Rohit Ferro-Tech Ltd.  
Rolling Optics Holding AB  
Rostec Corp.  
Rostelecom PJSC  
Royal Boskalis BV  
Royale Energy, Inc.  
S&U plc  
S.A.L. Steel Ltd.  
Sabaf SpA  
Sagar Cements Ltd.  
Sahaviriya Steel Industries Public Co. Ltd.  
Sai Son Cement JSC  
SAIC Motor Corp. Ltd.  
Saigon Plant Protection JSC  
Saigon-Quy Nhon Mining Corp.  
SAL Saudi Logistics Services Co.  
Salzgitter AG  
Salzgitter Finance BV  
SAMHYUN STEEL Co., Ltd.  
Samruk-Energy JSC  
Samsung C&T Corp.  
Sanan Optoelectronics Co. Ltd.  
Sandhar Technologies Limited  
Sangal Papers Ltd.  
Sanghi Industries Ltd.  
Sanok Rubber Company SA  
Santos Limited  
Sanyo Department Store Co., Ltd.  
Sanyu Co., Ltd.  
Sappi Ltd.  
Saras SPA  
Sasol Financing International Ltd.  
Sasol Financing Ltd.  
Sasol Financing USA LLC  
Sasol Ltd.  
Saudi Arabian Oil Co.  
Saudi Electricity Co.  
Saudi Electricity Global Sukuk Co.

Saudi Electricity Global Sukuk Co. - 2  
Saudi Electricity Global Sukuk Co. - 3  
Saudi Electricity Global Sukuk Co. - 5  
Saudi Electricity Sukuk Programme Co.  
Saudi Industrial Investment Group  
Saudi Kayan Petrochemical Co.  
Saurashtra Cement Ltd.  
Schneider Electric President Systems Ltd.  
Schumag AG  
Scott Technology Limited  
SDS Biotech KK  
SeAH SPECIAL Steel Co., Ltd.  
Selan Exploration Technology Ltd.  
Semirara Mining & Power Corp.  
Senex Energy Limited  
Service Industries Ltd.  
Shamal Az-Zour Al-Oula Power & Water Co.  
KSCP  
Shandong Iron & Steel Co., Ltd.  
Shandong Jinling Mining Co., Ltd.  
Shandong Linglong Tyre Co., Ltd.  
Shanghai Electric Power Co., Ltd.  
Shanjin International Gold Co., Ltd.  
Shanxi Antai Group Co., Ltd.  
Shanxi Coking Coal Energy Group Co., Ltd.  
Shanxi Taigang Stainless Steel Co., Ltd.  
Share Ltd.  
Sharjah Cement & Industrial Development Co.  
Shell Midstream Partners LP  
Shengry Co., Ltd.  
Shenzhen Energy Group Co., Ltd.  
Shenzhen Goodix Technology Co., Ltd.  
Shenzhen Nanshan Power Co., Ltd.  
Shenzhen Overseas Chinese Town Co., Ltd.  
SHIN HWA DYNAMICS Co., Ltd.  
Shinnaigai Textile Ltd.  
Shoko Co., Ltd.  
Shree Cement Limited  
Shree Digvijay Cement Co. Ltd.  
Shree Krishna Paper Mills & Industries Ltd.  
Shreyans Industries Ltd.  
Shri Keshav Cements & Infra Ltd.  
Shaanxi Energy Investment Co., Ltd.  
Siam City Cement Public Company Limited  
Siam Steel Service Center Public Co., Ltd.  
Sibanye Stillwater Australia Operations Pty Ltd.  
Sichuan Road & Bridge Co., Ltd.  
SideChannel, Inc.  
Sidma SA Steel Products  
Siemens Gamesa Renewable Energy SA  
Sierra Pacific Power Co.  
Sieyuan Electric Co., Ltd.  
Sino-Life Group Limited  
Sinosing Services Pte Ltd.  
Sinotruk Hong Kong Ltd.  
SKB dd  
Slovnaft AS  
SMC Investment Trading JSC  
Smiles Fidelidade SA  
SMN Corp.  
SN Nuclearelectrica SA  
SNT DYNAMICS Co., Ltd.  
SNT Holdings Co., Ltd.  
Societatea Nationala de Gaze Naturale  
ROMGAZ SA  
Societe Multinationale de Bitumes SA  
Soda Sanayii AS  
Solar Defence & Aerospace Ltd.  
Solar Industries India Limited  
Song Da 4 JSC  
Sonic Foundry, Inc.  
Southern Natural Gas Co. LLC  
Southern Province Cement Co.  
Southwestern Electric Power Co.  
Southwestern Public Service Co.  
Sow Good Inc.  
Spancrete Corp.  
Special Machine Building & Metallurgy PJSC  
Spindletop Oil & Gas Co.  
SSANGYONGC&E Co., Ltd.  
St. Marys Cement Inc. (Canada)  
Star Cement Limited  
Starcore International Mines Ltd.  
State-Owned Foreign Trade Unitary Enterprise  
Belspetsvneshtech  
Steel & Tube Holdings Limited

Steel Authority of India Limited  
Steelcast Ltd.  
Storm Resources Ltd.  
Straits Energy Resources Berhad  
Suez Cement Co.  
Sumitomo Osaka Cement Co., Ltd.  
Sumitomo Precision Products Co., Ltd.  
Summit Power Ltd.  
Sumo Group Ltd.  
SunCoke Energy Partners Finance Corp.  
SunCoke Energy Partners, L.P.  
SunCoke Energy, Inc.  
Sunflag Iron & Steel Co. Ltd.  
SUNGSHIN CEMENT Co., Ltd.  
SunPower Corporation  
Sunpower Group Ltd.  
Surgutneftegas PJSC  
Surya Roshni Limited  
Swaraj Engines Ltd.  
Syncro Group AB  
Synthetic Moulders Ltd.  
System Energy Resources, Inc.  
Tabuk Cement Co.  
Taiga Gold Corp.  
Taiheiyō Cement Corp.  
Takahashi Curtain Wall Corp.  
Takamisawa Co., Ltd.  
Takasago Tekko KK  
Takisawa Machine Tool Co., Ltd.  
Talen Energy Corporation  
TAM SA  
Tamil Nadu Newsprint & Papers Ltd.  
Tamilnadu Steel Tubes Ltd.  
Tangshan Jidong Cement Co. Ltd.  
Tanjung Bin Energy Issuer Bhd.  
Tanjung Bin Energy Sdn. Bhd.  
TAQA Morocco SA  
Tata Steel (Thailand) Public Company Limited  
Tata Steel BSL Limited  
Tatneft PJSC  
TBEA Co., Ltd.  
TC PipeLines, LP  
TCC Group Holdings CO., LTD.  
TCC International Holdings Ltd.  
Technical Communications Corporation  
TECHNO ASSOCIE Co., Ltd.  
TerraCom Limited  
Tesson Holdings Ltd.  
Texhong International Group Limited  
Thai Agro Energy Public Co., Ltd.  
Thai Energy Storage Technology Public Co. Ltd.  
The Andhra Sugars Ltd.  
The Day & Zimmermann Group, Inc.  
The Dayton Power & Light Co.  
The GEO Group, Inc.  
The India Cements Limited  
The Orissa Minerals Development Company Limited  
The Philodrill Corp.  
The Phoenix Advanced Investments Ltd  
The Power & Water Utility Co. for Jubail & Yanbu  
The Ramco Cements Limited  
The Saudi Investment Bank  
The Second Generation Co. of the Wholesale Power Market PJSC  
The Tata Power Company Limited  
The Toledo Edison Co.  
Third Bench, Inc.  
ThyssenKrupp AG  
ThyssenKrupp Finance Nederland BV  
Tianshan Material Co., Ltd.  
Tien Trung Investment Construction and Technology Joint Stock Company  
Titan Cement Co. SA  
Titan Cement International SA  
Titan Global Finance Plc  
Toa Oil Co., Ltd.  
Tohoku Steel Co., Ltd.  
Token Corp.  
Tokuyama Corp.  
Tokyo Cement Company (Lanka) PLC  
Tongling Nonferrous Metals Group Co., Ltd.  
TONGYANG, Inc.  
Top Kinisis Travel Public Ltd.  
Torunlar Gayrimenkul Yatirim Ortakligi AS



TotalEnergies EP Gabon SA  
Toyo Asano Foundation Co., Ltd.  
TPI Polene Public Co. Ltd.  
Tplex Co., Ltd.  
Traction AB  
Transcontinental Gas Pipe Line Co. LLC  
Trinidad Cement Ltd.  
Trinity Exploration & Production Plc  
Tronic's Microsystems SA  
Tulsyan NEC Ltd.  
Turcas Petrol AS  
Turk Prysmian Kablo ve Sistemleri A.S.  
Turnall Holdings Ltd.  
TVS Srichakra Limited  
Twin Vee Powercats, Inc.  
Tycoons Worldwide Group (Thailand) Public Co., Ltd.  
Udaipur Cement Works Ltd.  
Ultratech Cement Ltd.  
Umm Al-Qaiwain General Investments Co. PSC  
Umm Al-Qura Cement Co.  
Unicorn Capital Partners Ltd.  
Union Corp. (Korea)  
Unipro PJSC  
United Energy Group Limited  
Universal Coal Plc  
Unye Cimento Sanayi ve Ticaret AS  
Urbana Property Fund (Lease hold)  
URO Property Holdings SA  
USA Truck, Inc.  
USD Partners LP  
Utoc Corp.  
Vamshi Rubber Ltd.  
Vanti SA ESP  
Vardhman Special Steels Ltd.

Varteks dd  
Vassiliko Cement Works Public Co. Ltd.  
Vaulted Gold Bullion Trust  
Vedanta Resources Finance II Plc  
Vedanta Resources Jersey Ltd.  
Vedanta Resources Ltd.  
VIA optronics AG  
Vianini Lavori SPA  
Vicat SA  
VICEM But Son Cement JSC  
Vicem Gypsum & Cement JSC  
Vicem Ha Tien Cement JSC  
Vidler Water Resources, Inc.  
Vietnam Germany Steel Pipe JSC  
Vietnam National Petroleum Corp.  
Village Super Market, Inc.  
Vinacomin - HaLam Coal JSC  
Vinaship JSC  
Virgin Galactic Holdings, Inc.  
Vistra Corp.  
Vistra Operations Co. LLC  
Vnsteel - Vicasa JSC  
Volgogradenergosbyt OAO  
Votorantim Cimentos SA  
Vueling Airlines SA  
Vulcan Energy Resources Ltd.  
Walchandnagar Industries Ltd.  
Welcast Steels Ltd.  
West China Cement Limited  
Western Areas Ltd.  
White Group Public Company Limited  
Willdale Ltd.  
Wintek Corp.  
Wintime Energy Group Co., Ltd.  
Wisconsin Electric Power Company

Wisconsin Power & Light Co.  
Wisconsin Public Service Corp.  
Wockhardt Bio AG  
Wolfspeed, Inc.  
Wonil Special Steel Co., Ltd.  
Wuhan Iron & Steel Co., Ltd.  
Wyeth Pakistan Ltd.  
Xingda International Holdings Limited  
Xinyu Iron & Steel Co., Ltd.  
Xiwang Property Holdings Company Limited  
Yachiyo Industry Co., Ltd.  
Yakutsk Fuel & Energy Co. PJSC  
Yamaha Motor Robotics Holdings Co., Ltd.  
Yamamah Saudi Cement Co.  
YAMAU HOLDINGS CO., LTD.  
Yamax Corp.  
Yanbu Cement Co.  
Yangzijiang Shipbuilding (Holdings) Ltd.  
Yankuang Energy Group Co., Ltd.  
Yashima Denki Co., Ltd.  
Yashraj Containeurs Ltd.  
Yonkyu Co., Ltd.  
Yoshicon Co., Ltd.  
Yunnan Baiyao Group Co., Ltd.  
ZEAG Energie AG  
Zen Technologies Ltd.  
Zenith Steel Pipes & Industries Ltd.  
Zhejiang Kangsheng Co., Ltd.  
Zhejiang Longsheng Group Co., Ltd.  
Zhejiang Zheneng Electric Power Co., Ltd.  
Zhengzhou Coal Industry & Electric Power Co., Ltd.  
Zhongjin Gold Corp. Ltd.

*This document reflects the currently applicable exclusion lists under each exclusion category of the Danske Bank Exclusion Instruction. This means that companies/issuers mentioned on each of the lists with a few exemptions are non-investable for those products that apply the relevant exclusions corresponding to that list. Due to market conditions and client interests, some listed companies/countries may still be present in portfolios but are targeted for divestment. The exclusion lists set out in this document capture updates made with the bi-annual exclusion update in May 2025. While we strive to update the exclusion lists to always reflect the current uninvestable universe per the different categories, there may be situations where the published lists are not fully reflecting applicable exclusions as a result of e.g. operational implementation and market abuse requirements.*



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