



Excluded Investments

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.

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 exclusion 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 Norwegian Bank (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 those investment products that invest partially in sustainable investments, the PAI-exclusions only apply to those investments. For investments products investing with the objective to invest only in sustainable investments, the PAI-Exclusions apply to the full product. There may be differentiation to this approach depending on the asset class.

The screening of companies and other issues covered by exclusions under the Exclusion Instruction is carried out at a bi-annual basis resulting in updates to the exclusion lists under each category. For 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 however still 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 to an excluded issuer does in principle not trigger an exclusion of other issuers. Sovereign based exclusions can also capture other related issuers such as state-owned enterprises. 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 on these exemptions [here](#). Also, 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. 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 \[danskebank.com\]](#).

Sustainability Risk Exclusions

Danske Bank applies sustainability risk exclusions for the majority of managed 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 as based on an own proprietary model.

Sustainability Risk Company		
Alliance Aviation Services Ltd	KyungDong Invest Co Ltd	Prospect Capital Corporation
Baskent Dogalgaz Dagitim Gayrimenkul Yatirim Ortakligi AS	Liberty TripAdvisor Holdings, Inc.	Qutoutiao Inc
Bristow Group Inc.	Mesa Air Group Inc	Rgc Resources, Inc.
China Express Airlines Co Ltd	Multi Commodity Exchange of India Ltd	Shanghai Dazhong Public Utilities Group Co Ltd
Cox & Kings Ltd	N L Industries, Inc.	Shaan Xi Provincial Natural Gas Co Ltd
Ferrellgas Partners LP	National Gas & Industrialization Co	Sun Country Airlines Holdings Inc
Holly Energy Partners, L.P.	OmniAb Inc	Trada Alam Minera Tbk PT
Indian Bank	Opera Ltd	TRG Pakistan
		Unity Bancorp, Inc.
Total excluded companies		25

Enhanced Sustainability Standards

The enhanced sustainability standards screening is Danske Bank's proprietary screening model that supports the exclusion of certain 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 disclosing this to investors.

The 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.

The Enhanced Sustainability Standards screening process currently consists of three sub-processes:

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

1: Incident & Event Based Screening & Exclusions		
Incident & Event Based Screening Company	Minimum Social Safeguards	Minimum Environmental Safeguards
Abrau-Durso PJSC	X	X
AcBel Polytech, Inc.	X	
Acron PJSC	X	
Adani Abbot Point Terminal Pty Ltd.		X
Adani Enterprises	X	X
Adani Green Energy		X
Adani Ports & Special Economic Zones	X	X
Aeroflot PJSC	X	
Aganftegazgeologia OAO	X	
Agrofirma Mcenskaya OAO	X	
Alfa-Bank	X	
Almaz-Antei PAO	X	
Alrosa PJSC	X	
ALROSA-Nyurba PJSC	X	
Aphria	X	
Archer-Daniels Midland Co.		X
Arktikneftegazstroy OAO	X	
Aselsan Elektronik Sanayi ve Ticaret AS	X	
Atomic Energy Power Corp.	X	
Avangard Bank PJSC	X	
Avary Holding (Shenzhen) Co., Ltd.	X	
AviChina Industry & Technology	X	
Aziyo Biologics, Inc.	X	
Bajaj Hindustan Sugar Ltd.		X
Bamtonnelstroy		X
Bank Otkritie Financial Corp OJSC Via OFCB Capital PLC	X	
Bank Otkritie Financial Corp PJSC/Tochka	X	
Bank Rossiya OAO	X	
Bank St Petersburg PJSC	X	
Bank ZENIT PJSC	X	
Barrick (PD) Australia Finance Pty Ltd.	X	
Barrick Gold	X	X
Barrick Gold Finance Co.	X	X
Barrick North America Finance LLC	X	X
Barrick TZ Ltd.	X	X
Bashneft PJSC	X	X
Beijing Tong Ren Tang Chinese Medicine Co., Ltd.		X
Beijing Tongrentang Co., Ltd.		X
Belon OJSC		
Belpetsvneshtekhnika	X	
Beluga Group PJSC		
Bharat Electronics Limited	X	
Bharat Heavy Electricals Ltd		X
Black Sea Trade & Development Bank		X
BRF SA	X	X
Bunge Alimentos SA		X
Bunge Brasil SA	X	X
Bunge Finance Europe BV	X	X
Bunge Ltd	X	X

1: Incident & Event Based Screening & Exclusions		
Incident & Event Based Screening Company	Minimum Social Safeguards	Minimum Environmental Safeguards
Bunge Ltd. Finance Corp.	X	X
Bunge NA Finance LP	X	X
Cargill		X
Center for Cargo Container Traffic TransContainer PJSC	X	X
Centerenergyholding JSC	X	
Centrais Eletricas Brasileiras SA (Eletrobras)	X	X
Central Bank of the Russian Federation/The	X	
Central Telegraph PJSC	X	
Cetelem Bank	X	
Changhong Meiling Co., Ltd.	X	
Chelyabinsk Forge & Press Plant PJSC	X	
Chelyabinsk Metallurgical Plant PJSC	X	
Chelyabinsk Pipe Plant PJSC	X	
Cherkizovo Group PJSC	X	
China Coal Energy Co Ltd	X	
China National Nuclear Corp.	X	
China National Petroleum Corporation (CNPC)		
China Shipbuilding Industry Co., Ltd.	X	X
China Traditional Chinese Medicine Holdings Co. Ltd.		X
Chrezvichainaia strahovaia co CHSK OAO		
CNOOC Canada, Inc.	X	X
CNOOC Curtis Funding No. 1 Pty Ltd.		X
CNOOC Finance (2003) Ltd.		X
CNOOC Finance (2011) Ltd.		X
CNOOC Finance (2012) Ltd.		X
CNOOC Finance (2013) Ltd.		X
CNOOC Finance (2014) ULC		X
Cnooc Finance (2015) Australia Pty Ltd.		X
CNOOC Finance (2015) U.S.A. LLC		X
CNOOC Ltd		X
Commercial Sea Port of Vladivostok PJSC		X
Companhia Energetica De Minas Gerais (CEMIG)	X	
Conoco Funding Co.	X	X
ConocoPhillips		X
ConocoPhillips Australia Funding Co.		X
ConocoPhillips Canada Funding Co. I		X
ConocoPhillips Canada Funding Co. II		X
ConocoPhillips Co.		X
CoreCivic Corp		X
Credit Bank of Moscow PJSC	X	
Dalmoreprodukt	X	
Daqo New Energy Corp.	X	
DTE Energy Co	X	
Dushanzi Petrochemical Company		X
Elbit Systems Ltd.	X	
Elektrostal OAO		
ElSewedy Electric Co	X	X
EN+ Group International PJSC	X	
Enbridge Inc	X	X
ENEL RUSSIA PJSC	X	
Energospecmontazh	X	
Energy Transfer Equity LP	X	X
Energy Transfer Operating LP	X	X
European Eltech PJSC	X	
Evrax Plc	X	
Eximbank of Russia	X	
Exxon Mobil Corporation		X
Far-Eastern Energy Co PJSC	X	
Far-Eastern Shipping Co PLC	X	
Federal Grid Co Unified Energy System PJSC	X	
First Pacific Company Limited		X
Formosa Chemicals & Fibre Corp.	X	
Formosa Taffeta Co., Ltd.	X	
Freeport McMoRan	X	X
Gaiskiy GOK OAO	X	
Gazkon PJSC	X	
Gazprom Gazoraspredelenie Syktyvkar AO	X	
Gazprom Neft PJSC	X	
Gazprom PJSC	X	
Gazprom PJSC Via Gaz Capital SA	X	

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

1: Incident & Event Based Screening & Exclusions		
Incident & Event Based Screening Company	Minimum Social Safeguards	Minimum Environmental Safeguards
Kriogenmash PAO	X	
KTK Group Co., Ltd.	X	
Kuban Trunk Grid	X	
KuibyshevAzot PJSC	X	
Kurganskaya Generiruyushchaya Kompaniya PAO	X	
Kuzbasskaya Toplivnaya Co JSC	X	
Lengazspecstroy OAO	X	
Lens Technology Co Ltd	X	
Lenzoloto PJSC	X	
Li Ning Company Limited	X	
LSR Group PJSC	X	
LUKOIL PJSC	X	
Luthai Textile Co Ltd	X	
Luxshare Precision Industry Co Ltd	X	
M.Video PJSC	X	
Magadanenergo PJSC	X	
Magnit PJSC	X	
Magnitogorsk Iron & Steel Works PJSC	X	
Marathon Petroleum Corp	X	X
Mechel PJSC	X	
MegaFon PJSC	X	
Metafrax OAO	X	
Metallurgical Corporation of China		X
Mikron JSC	X	
Minerva SA		X
MMC Norilsk Nickel PJSC	X	
Mobile TeleSystems PJSC	X	
Moscow City Telephone Network PJSC	X	
Moscow Exchange MICEX-RTS PJSC	X	
Mosenergo PJSC	X	
Mostotrest PJSC	X	
Muhibbah Engineering (M) Bhd.	X	
Nauchno-Proizvodstvennoe Obedinenie S plav OAO	X	
NC Rosneft- Kubanefteproduct PJSC	X	
Nitel OAO	X	
Nizhegorodoblغاز OAO	X	
Nizhnekamskneftekhim PJSC	X	
Novatek PJSC	X	
Novikombank AO	X	
Novolipetsk Steel PJSC	X	
Novorosseexport OAO	X	
Novorossiysk Commercial Sea Port PJSC	X	
Novorossiyskiy Kombinat Khleboproductov PAO	X	
NTPC Ltd		X
Obnyeftegazgeologia OJSC	X	
OCP SA	X	
OFILM Group Co., Ltd.	X	
OGK-2 PJSC	X	
Oil & Natural Gas Corp		X
ONGC Videsh Ltd.	X	
Oracle Power PLC		X
Organichesky Sintez PJSC	X	
Otkritie Bank OJSC	X	
Ozon Holdings PLC	X	
Permenergosbyt PJSC	X	
PetroChina Company Limited	X	
Petroleum Trading Lao Public Co		X
Petropavlovsk PLC	X	
Pharmacy Chain 36.6 PJSC	X	
Phillips 66	X	X
PhosAgro PJSC	X	
Pigment OJSC	X	
PIK Group PJSC	X	
PJSC SPC Energia	X	
Polymetal International Plc	X	
Polyus PJSC	X	
POSCO	X	X
Posco International Corp	X	X
Positive Group PJSC	X	
Power Construction Corporation of China		X

1: Incident & Event Based Screening & Exclusions		
Incident & Event Based Screening Company	Minimum Social Safeguards	Minimum Environmental Safeguards
Press Metal Aluminium Holdings Berhad		X
Press Metal Bhd.		X
Priargunsky Industrial Mining and Chemical Union OAO	X	
Priisk Dambuki OAO	X	
Primorie Bank PJSC	X	
Proizvodstvennoye Ob Yedineniye Severnoye Mashinostroitel'noye Predpriyatiye AO	X	
Promsvyazbank	X	
PT Astra Agro Lestari Tbk	X	X
PT Astra International Tbk	X	X
PT Bakrie & Brothers Tbk		X
PT Barito Pacific Tbk		X
PT Indofood Sukses Makmur Tbk	X	
PT Perusahaan Perkebunan London Sumatra Indonesia Tbk	X	
PT Salim Ivomas Pratama Tbk	X	
PT Sawit Sumbermas Sarana Tbk		X
Quadra Power Generation PJSC	X	
Raspadskaya OAO	X	
Red Rock Resorts, Inc.	X	
Renaissance Insurance Group JSC	X	
Rio Zim Ltd.		X
Rosgosstrakh PJSC	X	
Rosneft Oil Co PJSC	X	
Rosseti Centre PJSC	X	
Rosseti Kuban PJSC	X	
Rosseti Lenenergo PJSC	X	
Rosseti Moscow Region PJSC	X	
Rosseti North Caucasus PJSC	X	
ROSSETI PJSC	X	
Rosseti Siberia PJSC	X	
Rosseti South PJSC	X	
Rosseti Volga PJSC	X	
Rostec	X	
Rostec State Corp	X	
Rostelecom PJSC	X	
Rostovoblغاز PJSC	X	
RusHydro PJSC	X	
Rusolovo PJSC	X	
Ruspolimet OJSC	X	
Russia Federation	X	
Russian Agricultural Bank	X	
Russian Agricultural Bank OJSC Via RSHB Capital SA	X	
Russian Aquaculture PJSC	X	
Russian Direct Investment Fund	X	
Russian Railways JSC	X	
RussNeft PJSC	X	
Ryazan Energy Retail Co PJSC	X	
SAIC Motor Corp. Ltd	X	
Samaraenergo PJSC	X	
Samarco Mineracao SA		X
Samolet Group	X	
Santos	X	X
Saratovskiy Neftepererabatyvayuschiy Zavod PJSC	X	
Sasol Financing International Plc		X
Sasol Financing USA LLC		X
Sasol Ltd		X
Sberbank of Russia PJSC	X	
Sberbank of Russia Via SB Capital SA	X	
Segezha Group PJSC	X	
Seligdar PJSC	X	
Severalmaz PAO	X	
Severstal PAO	X	
SFI PJSC	X	
Shein	X	
Sinotruk Hong Kong Ltd.	X	
Sistema PJSC		X
SJVN Lmt.	X	
SK Holdings Co	X	
SK Innovation Co Ltd	X	
Slavneft-Megionneftegaz PPO OAO	X	

1: Incident & Event Based Screening & Exclusions		
Incident & Event Based Screening Company	Minimum Social Safeguards	Minimum Environmental Safeguards
Slavneft-Megionneftegazgeologia OAO	X	
Slavneft-Yaroslavnefteorgsintez OJSC	X	X
SLC Agricola SA	X	X
Sokolskiy Pulp & Paper	X	
Solikamsk Magnesium Plant OJSC	X	
Sollers PJSC	X	
South32		X
Southern Copper	X	X
South-Kuzbass GRES OAO	X	
Sovcombank PJSC	X	
Sovcomflot PJSC	X	
SPB Exchange PJSC	X	
Sredneuralskiy Medeplavilnyj Zavod OAO	X	
Surgutneftegas PJSC	X	
Sysmanzoloto OAO	X	
Ta Ann Holdings Bhd	X	X
Taganrog Boiler-Making Works Krasny kotelshchik PJSC	X	
Tatneft PJSC	X	
Tattelecom PJSC	X	
TBEA		X
TCS Group Holding PLC	X	
Texhong Textile Group Limited		X
TGC-1 PJSC	X	
TGC-2 PJSC	X	
TGK-14 PJSC	X	
Tingo Group	X	
TNS energo Nizhny Novgorod PJSC		
TNS energo Rostov-on-Don PJSC	X	
TNS Energo Voronezh PJSC	X	
TNS Energo Voronezh PJSC	X	
TNS energo Yaroslavl PJSC	X	
TNS Energos PJSC	X	
Tong Ren Tang Technologies Co., Ltd.		X
Tongling Nonferrous Metals Group	X	
Toyo Ventures Holdings Bhd.	X	
TransFin-M PAO	X	
Transkapitalbank	X	
Trina Solar		X
Tulachermet PAO	X	
Tulamashzavod	X	
Tulanefteprodukt PJSC	X	
Turquoise Hill Resources Ltd.	X	
Tutaev Motor Plant OAO	X	
Tverskoy Vagonostroitelny Zavod	X	
Uchalinskiy Gorno-Obogatitelny Kombinat OAO	X	
Udmurtneft OAO	X	
Ufaleynickel PJSC	X	
Ugol'naya Kompaniya Yuzhnyy Kuzbass PAO	X	
United Aircraft Corporation	X	
United Co RUSAL International PJSC	X	
United Credit Systems PJSC	X	
United Shipbuilding Corporation	X	
United Wagon Co PJSC	X	
Ural Bank for Reconstruction and Development	X	
Uralelektromed OAO	X	
Uralkali PJSC	X	
UralSib Bank PJSC	X	
Uralskaya Kuznitsa OAO	X	
Uralvagonzavod	X	
UTair Aviation PJSC		X
Varyeganneftegaz PJSC	X	X
Vedanta Limited	X	X
Vedanta Resources Finance II Plc	X	X
Vedanta Resources Finance II Plc	X	X
Vedanta Resources Jersey Ltd.	X	
Vedanta Resources Ltd	X	
Victory City International Holdings Ltd.	X	
VK Co Ltd	X	
Vnesheconombank Via VEB Finance PLC		X
Volcan Cia Minera SAA	X	

1: Incident & Event Based Screening & Exclusions		
Incident & Event Based Screening Company	Minimum Social Safeguards	Minimum Environmental Safeguards
VSMPO-AVISMA Corp PJSC	X	
VTB Bank PJSC	X	
Vyborg Shipyard PAO		X
Wilmar International Ltd	X	X
Woodside Energy	X	
World Trade Center Moscow PJSC		X
WTK Holdings Bhd	X	
X5 Retail Group NV	X	
Xinjiang Nonferrous Metal Industry Group Co Ltd	X	
Xinjiang Zhongtai Chemical	X	
Yakutsk Fuel-Energy Co PJSC	X	
Yakutskenergo PJSC	X	
YAmaltransstroj PJSC	X	
Youngor Group Co., Ltd.		
Yunnan Baiyao Group Co., Ltd.	X	X
Yuzhno-Ural'skij nikelevyj kombinat PJSC	X	
Yuzhural-Asko PJSC	X	
Zavod Imeni VA Degtyareva OAO	X	
Zhen Ding Technology Holding Ltd.		X
Zijin International Finance Co., Ltd.		X
Zijin International Capital Co., Ltd.	x	
Zijin Mining	X	
ZIL PJSC	X	
ZTE Corp		X
Total excluded companies	388	121

2: Good Governance Exclusions

Good Governance Company		
ABC-MART, INC.	Evertz Technologies Limited	Rorze Corp.
ACTIVE BIOTECH AB	Ferrotec Holdings Corp.	SD Biosensor, Inc.
ARIAKE JAPAN Co., Ltd.	Fresnillo plc	SmartFinancial, Inc.
BTS Group AB	Fujicco Co., Ltd.	STEICO SE
Converge Technology Solutions Corp.	Huadian Power International Corporation Limited	Toei Animation Co., Ltd.
Datang International Power Generation Co., Ltd.	Monarch Casino & Resort, Inc.	TowneBank
DONG SUH Companies Inc.	NB Bancorp, Inc.	Traction AB
DoubleUGames Co., Ltd.	New China Life Insurance Company Ltd.	Urban One, Inc.
Everbright Securities Company Limited	Ningbo Deye Technology Co., Ltd.	Wacker Neuson SE
		Xinyi Glass Holdings Ltd.
Total excluded companies		28

3: Country Exclusions

Country Exclusions Country		
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
Total Excluded Countries		27

Extended Enhanced Sustainability Standards

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

Extended Enhanced Sustainability Standards		
Company	Social Criteria	Environmental Criteria
Babcock International Group Plc	X	
BCA Customer Finance, Inc.	X	
Boeing Capital Corp.	X	
BWX Technologies, Inc.	X	
CAE Inc.	X	
China Evergrande Group	X	
China Northern Rare Earth (Group) High-Tech Co Ltd		X
ConocoPhillips		X
Evergreen Marine Corp Taiwan Ltd	X	X
Export-Import Bank of India		X
Hexo Corp	x	
Huntington Ingalls Industries, Inc.	X	
Jacobs Solutions, Inc.	X	
Jinko Solar Holding Co Ltd	X	
Korea Line Corp	X	X
Leidos Holdings, Inc.	X	
Leidos, Inc.	X	
Sasol Ltd		X
Shikun & Binui	X	
Texwinca Holdings Co		
The Boeing Company	X	
Tri-State Generation and Transmission Association Inc		X
Vale SA		X
Total excluded companies	15	10

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 exclusions are defined in the Exclusion Instruction.

Peat-fired power generation	
Company	Power generation
Neova Oy	x
Total excluded companies	1

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 exclusions are defined in the Exclusion Instruction.

Tar Sands Company	Production	Services
Athabasca Oil Corporation	x	
Baytex Energy (LP) Ltd.	x	
Baytex Energy Corp.	x	
BlackPearl Resources, Inc.	x	
Canadian Natural Resources Limited	x	
Cenovus Energy Inc.	x	
Cerro Negro Finance Ltd.	x	
CK Hutchison Capital Securities (17) Ltd.	x	
CK Hutchison Capital Securities (Europe) Ltd.	x	
CK Hutchison Europe Finance (18) Ltd.	x	
CK Hutchison Europe Finance (21) Ltd.	x	
CK Hutchison Finance (16) (II) Ltd.	x	
CK Hutchison Finance (16) Ltd.	x	
CK Hutchison Group Telecom Finance SA	x	
CK Hutchison Holdings Limited	x	
CK Hutchison International (16) Ltd.	x	
CK Hutchison International (17) II Ltd.	x	
CK Hutchison International (17) Ltd.	x	
CK Hutchison International (19) (II) Ltd.	x	
CK Hutchison International (19) Ltd.	x	
CK Hutchison International (20) Ltd.	x	
CK Hutchison International (21) Ltd.	x	
Ecopetrol SA	x	
Freehold Royalties Ltd.	x	
Harvest Operations Corp.	x	
Hutchison Whampoa Europe Finance (12) Ltd.	x	
Hutchison Whampoa Europe Finance (13) Ltd.	x	
Hutchison Whampoa Finance (03/13) Ltd.	x	
Hutchison Whampoa Finance (05) Ltd.	x	
Hutchison Whampoa Finance (06) Ltd.	x	
Hutchison Whampoa Finance (09) Ltd.	x	
Hutchison Whampoa Finance (14) Ltd.	x	
Hutchison Whampoa Finance (CI) Ltd.	x	
Hutchison Whampoa Finance UK Plc	x	
Hutchison Whampoa International (03/33) Ltd.	x	
Hutchison Whampoa International (09) Ltd.	x	
Hutchison Whampoa International (09/16) Ltd.	x	
Hutchison Whampoa International (09/19) Ltd.	x	
Hutchison Whampoa International (10) Ltd.	x	
Hutchison Whampoa International (11) Ltd.	x	
Hutchison Whampoa International (12) Ltd.	x	
Hutchison Whampoa International (14) Ltd.	x	
Hutchison Whampoa International 12 II Ltd.	x	
Imperial Oil Limited	x	
MEG Energy Corp.	x	
North West Redwater Partnership, Inc.	x	
PC Financial Partnership	x	
Pengrowth Energy Corporation	x	
Petroleos de Venezuela SA	x	
Sonoro Energy Ltd.	x	
Strata Power Corp.	x	
Strathcona Resources Ltd.	x	
Suncor Energy Inc.	x	
Sunshine Oilsands Ltd.	x	
Total excluded countries		54

Thermal Coal

Thermal coal designates coal used by power plants and industrial steam boilers to produce electricity or process steam. Criteria for the exclusions are defined in the Exclusion Instruction.

Thermal Coal Company	Coal extraction	Power generation
Aboitiz Equity Ventures, Inc.		X
Aboitiz Power Corp.		X
Abu Dhabi National Energy Co. PJSC		X
Adani Electricity Mumbai Ltd.		X
Adani Enterprises Limited	X	
Adani Power Limited		X
AES Andes SA		X
AES Argentina Generacion SA		X
AES El Salvador Trust II		X
AES Espana BV		X
African Rainbow Minerals Ltd.	X	
AGL Energy Limited		X
Agritrade Resources Limited	X	X
Aksa Enerji Uretim AS		X
Alabama Power Company		X
Albioma SA		X
ALLETE, Inc.	X	X
Alliance Holdings GP LP	X	
Alliance Resource Operating Partners LP	X	
Alliance Resource Partners LP	X	
Alliant Energy Corporation		X
Altius Minerals Corporation	X	
Ameren Corporation		X
American Electric Power Company, Inc.		X
Anhui Hengyuan Coal Industry & Electricity Power Co., Ltd.	X	X
Appalachian Power Co.		X
Arch Resources, Inc.	X	
Arizona Public Service Co.		X
Atlantic Power Corporation		X
Avista Corporation		X
Banpu Power Public Co. Ltd.		X
Banpu Public Company Limited	X	X
Bathurst Resources Limited	X	
Beijing Energy Investment Holdings Ltd.	X	X
Beijing Haohua Energy Resource Co., Ltd.	X	
Beijing Jingneng Power Co., Ltd.		X
Berkshire Hathaway Energy Co.		X
Bisichi Plc	X	
Black Hills Corporation	X	X
Brickworks Limited	X	
Bulgarian Energy Holding EAD	X	X
Bumi Investment Pte Ltd.	X	
Can2 Termik AS		X
Capital Power Corporation		X
CenterPoint Energy, Inc.		X
CESC Limited		X
CEZ as	X	X
China Coal Energy Company Limited	X	X
China Coal Xinji Energy Co., Ltd.	X	X
China Huadian Corp., Ltd.	X	X
China Huadian Overseas Development 2018 Ltd.	X	X
China Huadian Overseas Development Management Co., Ltd.	X	X
China Huaneng Group Co., Ltd.	X	X
China Longyuan Power Group Corp. Ltd.		X
China Power International Development Limited		X
China Qinfu Group Limited	X	
China Resources Power Holdings Co., Ltd.		X
China Shenhua Energy Company Limited	X	X
China Shenhua Overseas Capital Co., Ltd.	X	X
Chubu Electric Power Co., Inc.		X
Cleco Corporate Holdings LLC		X
Cloud Peak Energy Inc.	X	
Cloud Peak Energy Resources LLC	X	
CLP Holdings Limited		X
CMS Energy Corporation		X
Coal Energy SA	X	
Coal India Ltd.	X	
Colbun SA		X

Thermal Coal Company	Coal extraction	Power generation
Consumers Energy Company		X
ContourGlobal Ltd.		X
ContourGlobal Power Holdings SA		X
Core Natural Resources, Inc.	X	
Coronado Finance Pty Ltd.	X	
Coronado Global Resources Inc.	X	
Datang International Power Generation Co., Ltd.	X	X
Deneb Investments Ltd.	X	
DMCI Holdings, Inc.	X	X
Dominion Energy, Inc.		X
Dominion Resources Capital Trust I		X
Dominion Resources Capital Trust III		X
DTE Electric Co.		X
DTE Energy Company		X
Duke Energy Carolinas LLC		X
Duke Energy Corporation		X
Duke Energy Florida LLC		X
Duke Energy Florida Project Finance LLC		X
Duke Energy Ohio, Inc.		X
Dynegy Finance I, Inc.		X
Electric Power Development Co., Ltd.		X
Electricity Generating Public Company Limited		X
Elion Energy Co., Ltd.		X
Emera Incorporated		X
Emera US Finance LP		X
Empresa Electrica Angamos SA		X
ENEA SA	X	X
Energia Finance AB		X
Energia SA		X
Energeticky a prumyslovy holding as	X	X
Engie Energia Chile SA		X
Engro Corporation Limited		X
Entergy Arkansas LLC		X
Entergy Utility Affiliates LLC		X
Entergy Utility Property, Inc.		X
EP Energy as		X
EP Infrastructure as		X
EPH Financing International as	X	X
Eskom Holdings SOC Ltd.		X
Eterna Capital Pte Ltd.	X	
Evergy Kansas Central, Inc.		X
Evergy, Inc.		X
EWE AG		X
Exxaro Resources Ltd.	X	
Feishang Anthracite Resources Limited	X	
First Pacific Company Limited		X
FirstEnergy Corp.		X
Foresight Energy LLC	X	
Foresight Energy LP	X	
Fujian Funeng Co., Ltd.		X
Gansu Energy Chemical Co., Ltd.	X	X
GD Power Development Co., Ltd.	X	X
Genesis Energy Limited		X
Geo Energy Resources Limited	X	
Georgia Power Co.		X
Glencore Capital Finance DAC	X	
Glencore Finance (Canada) Ltd.	X	
Glencore Finance (Europe) Ltd.	X	
Glencore Funding LLC	X	
Glencore plc	X	
Global Power Synergy Public Company Limited		X
Glow Energy Public Company Limited		X
GMR Power & Urban Infra Ltd.	X	X
Golden Energy and Resources Limited	X	
GS Holdings Corp.		X
Guangdong Baolihua New Energy Stock Co., Ltd.		X
Guangdong Electric Power Development Co., Ltd.		X
Guangdong Investment Limited		X
Guanghui Energy Co., Ltd.	X	
Guangxi Guiguan Electric Power Co., Ltd.		X
Guangzhou Development Group, Inc.		X
Guizhou Panjiang Refined Coal Co., Ltd.	X	
Gujarat Mineral Development Corporation Limited	X	X

Thermal Coal Company	Coal extraction	Power generation
Hallador Energy Company	X	
Hero Asia Investment Ltd.		X
Hidili Industry International Development Limited	x	
HK Electric Investments & HK Electric Investments Ltd.		X
Hokkaido Electric Power Co., Inc.		X
Hokuriku Electric Power Co.		X
Hopewell Holdings Ltd.		X
Hosken Consolidated Investments Ltd.	X	
Huadian Energy Co., Ltd.	X	X
Huadian Power International Corporation Limited	X	X
Huaibei Mining Holdings Co., Ltd.	X	X
Huaneng Hong Kong Capital Ltd.	X	X
Huaneng Power International, Inc.		X
Hubei Energy Group Co., Ltd.		X
IDACORP, Inc.		X
IE2 Holdco SAU		X
Indiana Michigan Power Co.		X
Indika Energy Capital III Pte Ltd.	X	
Indo Energy Finance BV	X	
Indo Energy Finance II BV	X	
Indo Integrated Energy II BV	X	
Inner Mongolia Dian Tou Energy Corp. Ltd.	X	X
Inner Mongolia Junzheng Energy & Chemical Group Co., Ltd.		X
Inner Mongolia Mengdian Huaneng Thermal Power Corp. Ltd.	X	X
Inner Mongolia Yitai Coal Co., Ltd.	X	
Inner Mongolia Yuan Xing Energy Co., Ltd.	X	
Inter RAO UES PJSC		X
InterGen NV		X
Interstate Power & Light Co.		X
IPALCO Enterprises, Inc.		X
Irkutskenergo JSC	X	X
Israel Electric Corp. Ltd.		X
ITOCHU ENEX CO., LTD.	X	
Izdemir Enerji Elektrik Uretim AS		X
Izmir Demir Celik Sanayi AS		X
Jaiprakash Power Ventures Limited	X	X
JAKS Resources Berhad		X
Jardine Cycle & Carriage Limited	X	
Jastrzebska Spolka Weglowa SA	X	
Jiangsu Guoxin Corp. Ltd.		X
Jinneng Holding Shanxi Coal Industry Co., Ltd.	X	
Jinneng Holding Shanxi Electric Power Co., Ltd.		X
Jizhong Energy Resources Co., Ltd.	X	
Jointo Energy Investment Co., Ltd. Hebei		X
JSW Energy Limited	X	X
Kinetic Development Group Limited	X	
Kobe Steel, Ltd.		X
Korea East-West Power Co., Ltd.		X
Korea Electric Power Corp.		X
KSK Power Venture Plc		X
Kuzbasskaya Toplivnaya Kompaniya PJSC	X	
KyungDong Invest Co., Ltd.	X	
Kyushu Electric Power Co., Inc.		X
LG&E & KU Energy LLC		X
Listrindo Capital BV		X
Louisville Gas & Electric Co.		X
Lubelski Wegiel BOGDANKA SA	X	
Lucky Cement Ltd.		X
LX International Corp.	X	
Majapahit Holding BV		X
Malakoff Corporation Berhad		X
Manila Electric Co.		X
MC Mining Limited	X	
MDU Resources Group, Inc.		X
Mechel PAO	X	
Metro Pacific Investments Corporation		X
MGE Energy, Inc.		X
MidAmerican Energy Co.		X
MidAmerican Funding LLC		X
Mississippi Power Co.		X
Mitsui Matsushima Holdings Co., Ltd.	X	
Monongahela Power Co.		X
Murray Energy Corporation	X	

Thermal Coal Company	Coal extraction	Power generation
NACCO Industries, Inc.	X	
Natural Resource Partners LP	X	
Nava Limited	X	X
New Hope Corporation Limited	X	
NiSource Inc.		X
NLC India Ltd.	X	X
Northern Electric Finance Plc		X
Northern States Power Co.		X
NorthWestern Energy Group, Inc.		X
NTPC Limited		X
Odas Elektrik Uretim Sanayi Ticaret AS	X	X
OGE Energy Corp.		X
Oglethorpe Power Corp.		X
Oklahoma Gas & Electric Co.		X
Old ANR LLC	X	
Origin Energy Finance Ltd.		X
Origin Energy Limited		X
Otter Tail Corporation		X
PacifiCorp		X
Park Elektrik Uretim Madencilik Sanayi ve Ticaret AS	X	
Peabody Energy Australia PCI Pty Ltd.	X	
Peabody Energy Corporation	X	
Petmin Ltd.	X	
Petrovietnam Power Corp.		X
PGE Polska Grupa Energetyczna SA		X
PGE Sweden AB		X
Pingdingshan Tianan Coal Mining Co., Ltd.	X	
Pinnacle West Capital Corporation		X
Portland General Electric Company		X
Power Assets Holdings Limited		X
PPL Capital Funding, Inc.		X
PPL Corporation		X
PT ABM Investama Tbk	X	
PT Adaro Indonesia	X	
PT Alamtri Resources Indonesia Tbk	X	
PT Alfa Energi Investama Tbk	X	
PT Astra International Tbk	X	
PT Bayan Resources Tbk	X	
PT Berau Coal Energy	X	
PT Bukit Asam Tbk	X	
PT Bumi Resources Tbk	X	
PT Cikarang Listrindo Tbk		X
PT Dian Swastatika Sentosa Tbk	X	
PT Golden Eagle Energy TBK	X	
PT Golden Energy Mines Tbk	X	
PT Harum Energy Tbk	X	
PT Indika Energy Tbk	X	
PT Indo Tambangraya Megah Tbk	X	
PT MNC Asia Holding Tbk	X	
PT Perusahaan Listrik Negara (Persero)		X
PT Petrindo Jaya Kreasi Tbk	X	
PT Timah Tbk	X	
PT Trada Alam Minera Tbk	X	
PT United Tractors Tbk	X	
Public Power Corp. Finance Plc		X
Public Power Corp. SA		X
Public Service Company of Colorado		X
Public Service Company of New Mexico		X
Puget Energy, Inc.		X
Puget Sound Energy, Inc.		X
RATCH Group Public Co., Ltd.		X
RattanIndia Power Limited		x
Refrigeration Electrical Engineering Corp.		X
Reliance Infrastructure Limited		X
Reliance Power Limited		X
Rhino Resource Partners LP	X	
RWE AG		X
RWE Finance US LLC		X
Sadovaya Group	X	
Sakari Resources Ltd.	X	
Salungano Group Ltd.	X	
Samruk-Energy JSC	X	X
San Miguel Corporation		X

Thermal Coal Company	Coal extraction	Power generation
San Miguel Global Power Holdings Corp.		X
Sarda Energy & Minerals Limited		X
SCANA Corp.		X
SDIC Power Holdings Co., Ltd.		X
Semirara Mining & Power Corp.	X	X
SGC Energy Co., Ltd.		X
Shan Xi Hua Yang Group New Energy Co. Ltd.	X	
Shandong Energy Group Co., Ltd.	X	X
Shanghai Datun Energy Resources Co., Ltd.	X	X
Shanghai Electric Power Co., Ltd.		X
Shanxi Coal International Energy Group Co., Ltd.	X	
Shanxi Coking Coal Energy Group Co., Ltd.		X
Shanxi Lanhua Sci-Tech Venture Co., Ltd.	X	
Shanxi Lu'An Environmental Energy Development Co., Ltd.	X	
Shenergy Co., Ltd.		X
Shenzhen Energy Group Co., Ltd.		X
Shikoku Electric Power Co., Inc.		X
Shaanxi Coal Industry Co., Ltd.	X	
Shaanxi Energy Investment Co., Ltd.	X	X
Sierra Pacific Power Co.		X
Southern Kuzbass Coal Co. PJSC	X	
Southwestern Electric Power Co.		X
Southwestern Public Service Co.		X
SPIC 2016 US Dollar Bond Co. Ltd.	X	X
SPIC 2018 USD Senior Perpetual Bond Co. Ltd.	X	X
SPIC Industry-Finance Holdings Co., Ltd.		X
SPIC Luxembourg Latin America Renewable Energy Investment Co.	X	X
State Power Investment Corp., Ltd.	X	X
STEAG GmbH		X
Stronghold Digital Mining, Inc.		X
Sunpower Group Ltd.		X
Talen Energy Corporation		X
Talen Energy Supply LLC		X
Tauron Polska Energia SA		X
TBEA Co., Ltd.	X	X
TCC Group Holdings CO., LTD.		X
Tenaga Nasional Berhad		X
Tennessee Valley Authority		X
TerraCom Limited	X	
The AES Corporation		X
The Chugoku Electric Power Co., Inc.		X
The Hub Power Co. Ltd.		X
The Kansai Electric Power Co., Inc.		X
The Lanna Resources Public Co., Ltd.	X	
The Okinawa Electric Power Co., Inc.		X
The Second Generation Co. of the Wholesale Power Market PJSC		X
The Southern Company		X
The Tata Power Company Limited		X
Thungela Resources Ltd.	X	
TNB Global Ventures Capital Bhd.		X
Tohoku Electric Power Co., Inc.		X
Tokyo Electric Power Co. Holdings, Inc.		X
Top Frontier Investment Holdings, Inc.		X
Torrent Power Limited		X
TPI Polene Power Public Co., Ltd.		X
TPI Polene Public Co. Ltd.		X
TransAlta Corporation		X
Tucson Electric Power Co.		X
TXNM Energy, Inc.		X
Union Electric Co.		X
Unipro PJSC		X
Vectren Corp.		X
Viesgo Infraestructuras Energeticas SL		X
Vimetco NV	X	X
Virginia Electric & Power Co.		X
Vistra Corp.		X
Vistra Operations Co. LLC		X
Washington H. Soul Pattinson and Company Limited	X	
WEC Energy Group, Inc.		X
Westmoreland Coal Co.	X	
Westmoreland Resource Partners LP	X	
WHA Utilities and Power Public Company Limited		X
Whitehaven Coal Limited	X	

Thermal Coal Company	Coal extraction	Power generation
Wintime Energy Group Co., Ltd.		X
Wisconsin Electric Power Company		X
Wisconsin Power & Light Co.		X
Wisconsin Public Service Corp.		X
Wollongong Coal Limited	X	
Xcel Energy Inc.		X
Xinjiang Guanghui Industry Investment (Group) Co., Ltd.	X	
Yancoal Australia Ltd.	X	
Yancoal International Resources Development Co., Ltd.	X	X
Yankuang Energy Group Co., Ltd.	X	X
Yankuang Group (Cayman) Ltd.	X	X
Zhejiang Zheneng Electric Power Co., Ltd.		X
Zhengzhou Coal Industry & Electric Power Co., Ltd.	X	
Total Excluded Companies	159	265



Controversial Weapons

In accordance with the Exclusion Instruction, controversial weapons are considered controversial as their production and use are assessed to be in conflict with the prohibitions set out in international convention. Further criteria are defined in the Exclusion Instruction.

Controversial Weapons Company	Controversial Weapons
Aerospace Long-March International Trade Co., Ltd.	X
Anhui GreatWall Military Industry Co., Ltd.	X
Anhui Military Industry Group Holding Co. Ltd.	X
Arab Organization for Industrialization	X
Aryt Industries Ltd.	X
Ashoka Manufacturing Ltd	X
Atomic Energy Power Corp.	X
Avibras Industria Aeroespacial SA	X
Bharat Dynamics Limited	X
China Aerospace Science & Industry Corp. Ltd.	X
China Aerospace Science & Technology Corp.	X
China National Nuclear Corp.	X
China North Industries Corp.	X
China North Industries Group Corp. Ltd.	X
China Nuclear Engineering & Construction Corp. Ltd.	X
China Poly Group Corp. Ltd.	X
China Shipbuilding Industry Co., Ltd.	X
Defence Industries Organization	X
JBJ Technologies Ltd.	X
JMV LPS Ltd.	X
KSB Limited	X
KSB SE & Co. KGaA	X
Larsen & Toubro Limited	X
LIG Corp.	X
LIG Nex1 Co., Ltd.	X
Lockheed Martin Corporation	X
MTAR Technologies Ltd.	X
Ordtech Military Industries	X
Pakistan Ordnance Factories	X
Poongsan Corp.	X
POONGSAN HOLDINGS Corp.	X
Premier Explosives Ltd.	X
Reshef Technologies Ltd.	X
Rostec Corp.	X
Sandhar Technologies Limited	X
SNT DYNAMICS Co., Ltd.	X
SNT Holdings Co., Ltd.	X
Solar Defence & Aerospace Ltd.	X
Solar Industries India Limited	X
Special Machine Building & Metallurgy PJSC	X
State-Owned Foreign Trade Unitary Enterprise Belpetsvneshtech	X
Synthetic Moulders Ltd.	X
The Day & Zimmermann Group, Inc.	X
Walchandnagar Industries Ltd.	X
Zen Technologies Ltd.	X
Total excluded companies	45

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 exclusions are defined in the Exclusion Instruction.

Tobacco Company	Production	Distribution	Services
22nd Century Group, Inc.	x		
A-1 Group, Inc.		x	
Al-Eqbal Co. for Investment Plc	x		
Altadis Emisiones Financieras SA	x	x	
Altadis SA	x		
Altria Group, Inc.	x		
American Heritage International, Inc.		x	
AMVIG Holdings Ltd.			x
Arcis Resources Corp.	x		
Asberry 22 Holdings, Inc.		x	
Asenovgrad Tabac AD	x		
B.A.T Capital Corp.	x		
B.A.T. Finance BV	x		
B.A.T. International Finance Plc	x		
B.A.T. Netherlands Finance BV	x		
BADECO ADRIA dd	x		
BAT Brasil	x	x	x
British American Tobacco Argentina SAICy F	x		
British American Tobacco Australlasia Ltd.	x		
British American Tobacco Bangladesh Company Limited	x		
British American Tobacco Chile Operaciones SA	x		
British American Tobacco Co. Ltd.	x		
British American Tobacco Holdings (The Netherlands) BV	x		
British American Tobacco Italia SpA	x		
British American Tobacco Kenya Plc	x		
British American Tobacco Malaysia Bhd.	x		
British American Tobacco Peru Holdings Ltd.	x		
British American Tobacco plc	x		
British American Tobacco Uganda Ltd.	x		
British American Tobacco Yava Jsc	x		
British American Tobacco Zambia PLC	x	x	x
British American Tobacco Zimbabwe Ltd.	x		
Bulgartabac Holding AD	x		
Carreras Ltd.		x	
Cat Loi JSC			x
Ceylon Tobacco Company Plc	x		
Charlie's Holdings, Inc.	x		
China Boton Group Company Limited			x
China Tobacco International (HK) Company Limited		x	
Coka Duvanska Industrija AD	x		
Consolidated Cigar Holdings, Inc.	x		
CTO Co. Ltd.	x		
Dupnitsa-Tabak AD	x		
Duvanska Industrija AD Bujanovac	x	x	x
Duvanski Kombinat ad Podgorica	x		
Eastern Co. (Egypt)	x		
Elentec Co., Ltd.	x		
Gemini Group Global Corp.	x		
Gilla, Inc.			x
Godfrey Phillips India Ltd.	x	x	
Golden Tobacco Ltd.	x		
Greenlane Holdings, Inc.		x	
Guangdong DFP New Material Group Co., Ltd.	x	x	x
Guangdong New Grand Long Packing Co., Ltd.			x
Harrys Manufacturing Inc.	x		
Hrvatski Duhani dd	x		
Huabao International Holdings Limited			x
Icon Vapor, Inc.		x	
IMA T&T SpA			x
Imperial Brands Finance Netherlands BV	x	x	
Imperial Brands Finance Plc	x	x	
Imperial Brands PLC	x	x	
Ispire Technology, Inc.	x		

Tobacco Company	Production	Distribution	Services
ITC Limited	X	X	X
Japan Tobacco, Inc.	X		
Jerusalem Cigarette Co. Ltd.	X		
JT International Financial Services BV	X		
Karelia Tobacco Co., Inc.	X		
Khyber Tobacco Co. Ltd.	X		
Kimree, Inc.	X		
KT&G Corp.	X		
Litu Holdings Limited			X
Lorillard LLC	X		
LT Group, Inc.	X		
Ngan Son JSC	X		
Nikotiana BT Holding AD	X		
North Atlantic Trading Co., Inc.	X	X	X
NTC Industries Ltd.	X		
Pakistan Tobacco Co. Ltd.	X		
Pazardzhik BTM AD	X		
Philip Morris (Pakistan) Ltd.	X		
Philip Morris CR as	X		
Philip Morris International Inc.	X		
Philip Morris Operations AD	X		
Press Corporation Plc	X		
PT Bentoel International Investama Tbk	X		
PT Gudang Garam Tbk	X	X	X
PT Hanjaya Mandala Sampoerna Tbk	X		
PT Indonesian Tobacco Tbk	X		
PT Wisnilak Inti Makmur Tbk	X	X	X
Pyxus International, Inc.	X		
R.J. Reynolds Tobacco Holdings, Inc.	X		
Reynolds American, Inc.	X		
RLX Technology, Inc.	X		
Scandinavian Tobacco Group A/S	X		
Shanghai Industrial Holdings Limited	X		
Shanghai Shunho New Materials Technology Co., Ltd.	X	X	X
Shenzhen Jinjia Group Co., Ltd.	X	X	X
Shumen Tabac AD	X		
Shaanxi Jinye Science Technology & Education Group Co., Ltd.	X	X	
Shenzhen Yinghe Technology Co., Ltd.			
Sila Holding AD	X		
Sinnar Bidi Udyog Ltd.	X		
SITAB	X		
Slantse Stara Zagora Tabac AD	X	X	X
Smoore International Holdings Limited	X	X	X
Societe Nationale d'exploitation Industrielle des Tabacs	X	X	
Strumica Tabak AD	X		
Swedish Match Ab	X		
Tanzania Cigarette Co. Ltd.	X		
TSL Ltd.	X	X	X
Turning Point Brands, Inc.	X	X	X
Tutunski Kombinat AD Prilep	X	X	X
Union Investment Corp.	X		
Union Tobacco & Cigarette Industries Co.	X		
Universal Corporation	X	X	X
Vector Group Ltd.	X		
VPR Brands LP		X	
VST Industries Limited	X		
Wee-Cig International Corp.	X		
West Indian Tobacco Co. Ltd.	X		
Total excluded companies	104	31	24

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 exclusions are defined in the Exclusion Instruction.

Pornography		
Company	Production	Distribution
Attica Publications SA		X
DNXcorp SE	X	
Erotik-Abwicklungsgesellschaft AG		X
FriendFinder Networks, Inc.	X	
Metro Global Media, Inc.	X	
New Frontier Media, Inc.	X	
PLBY Group, Inc.	X	X
Private Media Group, Inc.		X
RCI Hospitality Holdings, Inc.	X	
Scores Holding Co., Inc.		X
tmc Content Group AG	X	X
Total Excluded companies	7	6



SPU

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

SPU Company		
Aboitiz Power Corp	Engie Energia Chile SA	Northrop Grumman Corp
Adani Ports and Special Economic Zone Ltd	Evergreen Marine Corp Taiwan Ltd	NRG Energy Inc
AES Andes SA	Evergy Inc	NTPC Ltd
AES Corp/The	Evraz PLC	Oil & Natural Gas Corp Ltd
AGL Energy Ltd	Exxaro Resources Ltd	Okinawa Electric Power Co Inc/The
Airbus SE	FirstEnergy Corp	Otter Tail Corp
ALLETE Inc	Fluor Corp	PacifiCorp
Alliant Energy Corp	Formosa Chemicals & Fibre Corp	Page Industries Ltd
Altria Group Inc	Formosa Taffeta Co Ltd	Peabody Energy Corp
Ameren Corp	Freeport-McMoRan Inc	PGE Polska Grupa Energetyczna SA
American Electric Power Co Inc	GAIL India Ltd	Philip Morris Cr AS
Ashtrom Group Ltd	General Dynamics Corp	Philip Morris International Inc
Astra International Tbk PT	Genting Bhd	Poongsan Corp
Aurora Cannabis Inc	Glencore PLC	POSCO Holdings Inc
AviChina Industry & Technology Co Ltd	GMK Norilskiy Nickel PAO	Posco International Corp
BAE Systems Plc	Grand Pharmaceutical Group Ltd	Power Construction Corp of China Ltd
Barrick Gold Corp	Great River Energy	Prosegur Cia de Seguridad SA
Beijing Tong Ren Tang Chinese Medicine Co Ltd	Guangdong Electric Power Development Co Ltd	PTT Oil & Retail Business PCL
Bezeq The Israeli Telecommunication Corp. Ltd.	Gudang Garam tbk pt	PTT PCL
Bharat Electronics Ltd	Gujarat Mineral Development Corp Ltd	Reliance Infrastructure Ltd
Bharat Heavy Electricals Ltd	Halcyon Agri Corp Ltd	Reliance Power Ltd
Boeing Co/The	Hanjaya Mandala Sampoerna Tbk PT	RLX Technology Inc
British American Tobacco Malaysia Bhd	HK Electric Investments & HK Electric Investments Ltd	RWE AG
British American Tobacco Plc	Hokkaido Electric Power Co Inc	Safran SA
BWX Technologies Inc	Hokuriku Electric Power Co	Sasol Ltd
Canadian Natural Resources Ltd	Honeys Holdings Co Ltd	Scandinavian Tobacco Group A/S
Canopy Growth Corp	Honeywell International Inc	SDIC Power Holdings Co Ltd
Cenovus Energy Inc	Huabao International Holdings Ltd	Shanghai Industrial Holdings Ltd
Centrais Eletricas Brasileiras SA	Huadian Energy Co Ltd	Shapir Engineering and Industry Ltd
CESC Ltd	Huadian Power International Corp Ltd	Shikoku Electric Power Co Inc
CEZ AS	Huaneng Power International Inc	Shikun & Binui Ltd
China Coal Energy Co Ltd	Huntington Ingalls Industries Inc	Suncor Energy Inc
China Power International Development Ltd	IDACORP Inc	Ta Ann Holdings Bhd
China Resources Power Holdings Co Ltd	Imperial Brands Plc	Tata Power Co Ltd/The
China Shenhua Energy Co Ltd	Imperial Oil Ltd	Tenaga Nasional Bhd
China State Construction Engineering Corp Ltd	Inner Mongolia Yitai Coal Co Ltd	Textron Inc
China Traditional Chinese Medicine Holdings Co Ltd	ITC Ltd	Tianjin Pharmaceutical Da Re Tang Group Corp Ltd
Chugoku Electric Power Co Inc/The	Jacobs Solutions Inc	Tilray Brands Inc
CLP Holdings Ltd	Japan Tobacco Inc	Tong Ren Tang Technologies Co Ltd
Coal India Ltd	Jardine Cycle & Carriage Ltd	Tri-State Generation and Transmission Association Inc
Cognyte Software Ltd	Jardine Matheson Holdings Ltd	Turning Point Brands Inc
CONSOL Energy Inc	JBS S/A	Universal Corp/VA
Cronos Group Inc	Korea Electric Power Corp	Vale SA
Danya Cebus Ltd	Korea Gas Corp	Vector Group Ltd
Datang International Power Generation Co Ltd	Korea Line Corp	Vedanta Ltd
Delek Group Ltd	KT&G Corp	Volcan Cia Minera SAA
DMCI Holdings Inc	L3Harris Technologies Inc	Washington H Soul Pattinson & Co Ltd
DTE Energy Co	Larsen & Toubro Ltd	WEC Energy Group Inc
Duke Energy Corp	Li Ning Co Ltd	Weichai Power Co Ltd
Eastern Co SAE	Lockheed Martin Corp	Whitehaven Coal Ltd
Elbit Systems Ltd	Lu Thai Textile Co Ltd	WTK Holdings Bhd
Elco Ltd	Lubelski Wegiel Bogdanka SA	Xcel Energy Inc
Electra Ltd/Israel	Malakoff Corp Bhd	Yankuang Energy Group Co Ltd

Electric Power Development Co Ltd	MGE Energy Inc	Young Poong Corp
Electricity Generating PCL	Mivne Real Estate KD Ltd	Yunnan Baiyao Group Co Ltd
ElSewedy Electric Co	New Hope Corp Ltd	Zijin Mining Group Co Ltd
Emera Inc	NHPC Ltd	ZTE Corp
		Zuari Agro Chemicals Ltd
Total		172

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 alcohol exclusions are further defined in the Exclusion Instruction.

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

Chapel Down Group Plc	X		
China New Borun Corp.	X		
China Ouhua Winery Holdings Limited	X		
China Resources Beer (Holdings) Co. Ltd.	X		
China Tontine Wines Group Limited	X		
Chongqing Brewery Co., Ltd.	X		
Cia Vinicola del Norte de Espana SA	X		
CITIC Niya Wine Co., Ltd.	X		
Compania Cervecerias Unidas SA	X		
Company Group ALITA AB	X		
CONSTELLATION BRANDS, INC.	X		
Corby Spirit and Wine Limited	X	X	
Corporacion Economica Delta SA	X		
Craft Brew Alliance, Inc.	X		
Crimson Wine Group, Ltd.	X		
Cruzan International, Inc.	X		
Davide Campari-Milano NV	X		
Delegat Group Limited	X		
Delta Corporation Limited	X		
Diageo Capital BV	X		
Diageo Capital Plc	X		
Diageo Finance Plc	X		
Diageo Investment Corp.	X		
Diageo plc	X		
Diamond Estates Wines & Spirits Inc.	X	X	
Distell Group Holdings Ltd.	X		
Distell Group Ltd.	X		
Distil PLC	X		
Distilleries Company of Sri Lanka Plc	X		
Domaine Costa Lazaridi SA	X		
Drinks Americas Holdings Ltd.		X	
Dynasty Fine Wines Group Limited	X		
East African Breweries Ltd.	X		
Einbecker Brauhaus AG	X		
Empee Distilleries Ltd.	X		
Emperador Inc.	X		
Endeavour Group Ltd. (Australia)	X		
FBG Finance Pty. Ltd.	X		
Florida Ice & Farm Co. SA	X		
Foley Wines Limited	X		
Foster's Group Pty Ltd.	X		
Fujian Yanjing Huiquan Brewery Co., Ltd.	X		
G.M. Breweries Ltd.	X		
Gansu Huangtai Wine-Marketing Industry Co., Ltd.	X		
Gansu Mogao Industrial Development Co., Ltd.	X		
General Investment	X		
Ginebra San Miguel, Inc.	X		
Globus Spirits Limited	X		
Golden Guinea Breweries Plc	X		
Goldin Financial Holdings Limited	X		
Good Drinks Australia Limited	X		
Grupa Zywiec Sp zoo	X		
Grupo Modelo SAB de CV	X		
Guangzhou Zhujiang Brewery Co., Ltd.	X		
Guinness Ghana Breweries Plc	X		
Guinness Nigeria Plc	X		
Gurktaler AG	X		
Gusbourne Plc	X		
Ha Noi - Thanh Hoa Beer JSC	X		
Hainan Yedao (Group) Co., Ltd.	X		
Hanoi Hai Duong Beer JSC	X		
Harboes Bryggeri A/S	X		
Hartwall Oy Ab	X		
Hawesko Holding SE		X	
Hebei Hengshui Laobaigan Liquor Co., Ltd.	X		
Heineken Holding NV	X		
Heineken Malaysia Berhad	X		
Heineken NV	X		
HITEJINRO Co., Ltd.	X		
HiteJinro Holdings Co., Ltd.	X		
IFB Agro Industries Limited	X		
Indage Vintners Ltd.	X		
India Glycols Limited	X		
International Breweries PLC	X		
Italian Wine Brands SpA	X		

Jagatjit Industries Limited	X		
Jiangsu King's Luck Brewery Joint-stock Co., Ltd.	X		
Jiangsu Yanghe Distillery Co., Ltd.	X		
Jinhui Liquor Co., Ltd.	X		
JINRO DISTILLERS Co., Ltd.	X		
Jiugui Liquor Co., Ltd.	X		
Jos International Breweries Plc	X		
Kaddy Ltd.	X		
KEO Plc	X		
Khoday India Ltd.	X		
Kirin Holdings Co., Ltd.	X		
Kook Soon Dang Co., Ltd.	X		
Kopparbergs Bryggeri AB	X		
KOREA ALCOHOL INDUSTRIAL Co., Ltd.	X		
Kuaijishan Shaoxing Rice Wine Co., Ltd.	X		
Kulmbacher Brauerei AG	X		
Kutjevo dd	X		
Kweichow Moutai Co., Ltd.	X		
Lamdong Foodstuffs JSC	X		
Landshuter Brauhaus AG	X		
Lanson-BCC	X		
Lanzhou Huanghe Enterprise Co., Ltd.	X		
Lark Distilling Co. Ltd.	X		
Laurent-Perrier SA	X		
Lion Brewery (Ceylon) PLC	X		
Lombard & Medot	X		
Lomsko Pivo AD	X		
Lucas Bols BV	X		
Luzhou Laojiao Co., Ltd.	X		
Mackmyra Svensk Whisky AB	X		
MAJOR HOLDINGS LIMITED		X	
Malteries Franco-Belges	X		
Maraska dd	X		
Marie Brizard Wine & Spirits SA	X		
Marlborough Wine Estates Group Ltd.	X		
Masi Agricola SpA	X		
Melstacorp PLC	X		
Mendocino Brewing Co., Inc.	X		
MGP Ingredients, Inc.	X		
MH ETHANOL Co., Ltd.	X		
Molson Coors Beverage Company	X		
Molson Coors Canada Inc.	X		
Moninger Holding AG	X		
Montalvo Spirits, Inc.	X		
Muhak Co., Ltd.	X		
Murree Brewery Co., Ltd.	X		
Naked Wines Plc		X	
Namibia Breweries Ltd.	X	X	
National Breweries PLC	X		
New Silkroad Culturaltainment Ltd.	X		
Nigerian Breweries Plc	X		
Novabev Group	X	X	
Oenon Holdings, Inc.	X		
Olvi Oyj	X		
Orpar SA	X		
Ottakringer Getraenke AG	X	X	
Palaioi Oinoi Naousis Holdings & Investment SA	X		
Park & Bellheimer AG	X		
Pernod Ricard Finance SA	X		
Pernod Ricard SA	X		
Phoenix Beverages Limited	X		
Piccadilly Sugar & Allied Industries Ltd.	X		
Pincon Spirit Ltd.	X		
Pioneer Distilleries Ltd.	X		
Pivara Tuzla dd	X		
Pivovarna Lasko Union doo	X		
Pivovary Lobkowicz Group as	X		
Pol Roger et Cie SA	X		
Prilepska Pivarnica AD	X		
Prodvinco SA	X		
PT Delta Djakarta Tbk	X		
PT Multi Bintang Indonesia Tbk	X		
Pungguk Ethanol Co., Ltd.	X		
Purcari Wineries Public Co., Ltd.	X		
Qinghai Huzhu TianYouDe Highland Barley Spirit Co., Ltd.	X	X	

Radico Khaitan Limited	X		
Rana Sugars Ltd.	X		
Raphael Michel SA	X		
Ravikumar Distilleries Ltd.	X		
Remy Cointreau SA	X		
RES Invest Holding AD	X		
Rocky Mountain Liquor Inc.		X	
ROK Stars Ltd.	X		
Roust Corp.	X	X	
Royal Unibrew A/S	X		
Rubin AD	X		
S.A. Damm	X		
Saigon Beer Alcohol Beverage Corp.	X		
San Miguel Brewery HK Ltd.	X		
Sapporo Holdings Ltd.	X		
Sarajevska Pivara dd	X		
Scheid Vineyards, Inc.	X		
Schloss Wachenheim AG	X		
Schlumberger GmbH /Austria/	X		
Sechaba Brewery Holdings Ltd.	X		
Sektkellerei J. Oppmann AG	X		
Shanghai Bairun Investment Holding Group Co., Ltd.	X		
ShangHai JinFeng Wine Co. Ltd.	X		
Shanxi Xinghuacun Fen Wine Factory Co., Ltd.	X		
Shede Spirits Co., Ltd.	X		
Shepherd Neame Ltd.	X	X	
Sichuan Swellfun Co. Ltd.	X		
Silver Base Group Holdings Limited		X	
Silver Oak (India) Ltd.	X		
Simonds Farsons Cisk Plc	X	X	
Societe Commerciale de Brasserie SA	X		
Societe des Boissons du Maroc SA	X		
SOLIBRA SA	X		
SOM DISTILLERIES & BREWERIES LIMITED	X		
Stock Spirits Group Ltd.	X		
Sula Vineyards Ltd.	X		
Suntory Holdings Ltd.	X		
Takara Holdings, Inc.	X		
Tanzania Breweries Ltd.	X		
Thai Beverage Public Company Limited	X		
Thang Long Wine JSC	X		
The Boston Beer Company, Inc.	X		
The Duckhorn Portfolio, Inc.			
Tibet Development Co., Ltd.	X		
Tibet Water Resources Ltd.	X		
Tilaknagar Industries Ltd.	X		
Todoroff AD	X		
Tonghua Grape Wine Co., Ltd.	X	X	
Treasury Wine Estates Limited	X		
Truett-Hurst, Inc.	X		
Tsingtao Brewery Company Limited	X		
Turk Tuborg Bira ve Malt Sanayii AS	X		
UAB Kalnapilio Tauro Grupe	X		
Umida Group AB	X		
Union de Cervecerias Peruanas Backus y Johnston SAA	X		
United Breweries (Holdings) Ltd.	X		
United Breweries Limited	X		
United Malt Group Ltd.	X		
United Spirits Limited	X		
Vilniaus Degtine AB	X		
Vina Concha y Toro SA	X		
Vina San Pedro Tarapaca SA	X		
Vina Santa Rita SA	X		
Vinedos Emiliana SA	X		
Vintage Wine Estates, Inc.	X		
Vranken-Pommery Monopole SA	X		
Waterloo Brewing Ltd.	X		
Willamette Valley Vineyards, Inc.	X		
Wuliangye Yibin Co., Ltd.	X		
Xinjiang Yilite Industry Co., Ltd.	X		
Yamaya Corp.		X	
Yantai ChangYu Pioneer Wine Co., Ltd.	X		
Yomeishu Seizo Co., Ltd.	X		
Zambian Breweries PLC	X		
Zavod Soloda i Piva OJSC	X		

Zhejiang Guyuelongshan Shaoxing Wine Co., Ltd.	x		
ZJLD Group, Inc.	x		
Zwack Unicum Nyrt.	x	x	
Total excluded companies	288	21	



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 alcohol exclusions are defined in the Exclusion Instruction.

Gambling Exclusions Company	Production	Distribution	Services
(I.Z.) Queenco Ltd.	x		
32Red Ltd.	x		
365 Media Group Ltd.	x		
Accel Entertainment, Inc.	x		
Acroud AB			x
Affinity Gaming Finance Corp.	x		
Affinity Gaming LLC	x		
AG&E Holdings, Inc.			x
Agility Capital Holding Inc.	x		
AGTech Holdings Limited	x	x	x
Ainsworth Game Technology Ltd.			x
Alliance Global Group Cayman Islands, Inc.	x		
Alliance Global Group, Inc.	x		
Allwyn International AG	x		
American Casino & Entertainment Properties LLC	x		
Angler Gaming plc	x		
Aristocrat Leisure Limited			x
Aspire Global Ltd.			x
Automatic Systems Ltd.	x		
B90 Holdings Plc	x		x
Bally's Corporation	x		
Belle Corp.	x		x
Berjaya Assets Bhd.	x		
Berjaya Corporation Berhad	x		x
Berjaya Land Berhad	x		x
Best of the Best Plc	x		
BestGames Holdings Ltd.	x		
Bet-At-Home.com AG	x		
Betfair Group Ltd.	x		
BetMakers Technology Group Ltd			x
Betsson AB	x		
Better Collective A/S			x
Blick Global Group AB			x
Bloomberry Resorts Corporation	x		
BNN Technology plc			x
Boldt SA	x		x
Boyd Gaming Corporation	x		
Bragg Gaming Group Inc.			x
Buffalo Thunder Development Authority	x		
Butler National Corporation			x
Bwin.party digital entertainment plc	x		
Caesars Entertainment, Inc.	x		
Caesars Growth Properties Holdings LLC	x		
Caesars Holdings, Inc.	x		
Caesars Operating Escrow LLC	x		
Canterbury Park Holding Corporation	x		
Catena Media plc			x
CCM Merger Inc.	x		
Centric Holdings SA	x		
Century Casinos, Inc.	x		
Cherry AB	x		x
Chester Downs & Marina LLC	x		
China Ecotourism Group Limited			x
China Sports Industry Group Co., Ltd.			x
Choctaw Resort Development Enterprise, Inc.	x		
Chukchansi Economic Development Authority	x		
Churchill Downs Incorporated	x		
Cirsa Finance International SARL	x		x
Cirsa Funding Luxembourg SA	x		x
CIRSA Gaming Corp. SA	x		x
CityCenter Holdings LLC	x		
Cleopatra Finance Ltd.			x
Club Hipico de Santiago SA	x		

Gambling Exclusions Company	Production	Distribution	Services
Contagious Gaming Inc.			X
Crazy Sports Group Limited		X	X
CRC Escrow Issuer LLC	X		
Crown Resorts Limited	X		
Daikoku Denki Co., Ltd.	X		X
Delta Corp. Ltd. [India]	X		
Deq Systems Corp.			X
DigiPlus Interactive Corp.	X		
Donaco International Limited	X		
Downstream Development Authority (Oklahoma)	X		
DraftKings Inc.	X		X
DYNAM Japan Holdings Co., Ltd.	X		
EBET, Inc.	X		
Elray Resources, Inc.	X		X
Elys BMG Group, Inc.	X		X
Emperor Entertainment Hotel Limited	X		
Emperor International Holdings Limited	X		
Empire Resorts, Inc.	X		
Enjoy SA	X		
Enlabs AB	X		
Entain Plc	X		
Estoril Sol SGPS SA	X		
Eumundi Group Limited	X		
Everi Games Holding, Inc.			X
Everi Holdings, Inc.			X
Everi Payments, Inc.			X
Evoke Plc	X		X
Evolution AB			X
Evolution Services Sweden AB			X
Fable Media Group AB			X
FDJ United	X		
Firekeepers Development Authority	X		
Flutter Entertainment Plc	X		
Fortuna Entertainment Group NV	X		
Four Corners, Inc.			X
Fujishoji Co., Ltd.			X
Full House Resorts, Inc.	X		
Galaxy Entertainment Group Limited	X		
Galaxy Gaming, Inc.			X
Gambling.com Group Limited			X
Gamecard-Joyco Holdings, Inc.			X
Gamehost Inc.	X		
Gamenet SpA	X		
Gamesys Group Ltd.	X		
Gaming Corps AB			X
Gaming Partners International Corp.			X
Gaming Realms plc			X
Gamma Civic Ltd.	X		
Gan [UK] Ltd.			X
GAN Ltd.	X		X
Gateway Casinos & Entertainment Ltd.	X		
Genting Berhad	X		
Genting Malaysia Berhad	X		
Genting Singapore Limited	X		
Gentoo Media, Inc.	X		
Global Gaming 555 AB	X		
GOHL Capital Ltd.	X		
Golden Entertainment, Inc.	X		
Golden Nugget Escrow, Inc.	X		
Golden Nugget Online Gaming, Inc.	X		
Golden Nugget, Inc.	X		
Golden Matrix Group, Inc.	X		X
Grand Korea Leisure Co., Ltd.	X		
Grand Parade Investments Ltd.	X		X
Graton Economic Development Authority (California)	X		
Great Canadian Gaming Corporation	X		
Greek Organisation of Football Prognostics SA	X		
Greektown Holdings LLC	X		
Groupe Partouche SA	X		
Guoco Group Limited	X		
Heiwa Corp.			X

Gambling Exclusions Company	Production	Distribution	Services
Hongbo Co. Ltd.			X
Hosken Consolidated Investments Ltd.	X		
HSP Gaming LP	X		
Imperial Pacific International Holdings Limited	X		
Inn of the Mountain Gods Resort Casino	X		
Inspired Entertainment, Inc.			X
Intecq Ltd.			X
Integrity Gaming ULC			X
International Entertainment Corporation	X		
International Game Technology Plc			X
Intralot Capital Luxembourg SA			X
Intralot Finance Luxembourg SA			X
INTRALOT SA			X
Isle of Capri Casinos LLC	X		
JACK Entertainment LLC	X		
Jack Ohio Finance LLC	X		
Jackpot Digital Inc.			X
Jacobs Entertainment, Inc.	X		
Jumbo Interactive Limited		X	X
Kai Chieh International Investment Ltd.	X		
Kambi Group plc			X
Kangwon Land, Inc.	X		
Keck Seng Investments (Hong Kong) Limited	X		
Kinbasha Gaming International, Inc.	X		
Kindred Group plc	X		
KONAMI Group Corp.			X
Ladbrokes Group Finance Plc	X		
Landry's Acquisition Co.	X		
Landry's Holdings II, Inc.	X		
Landry's LLC	X		
Las Vegas Sands Corp.	X		
LeoVegas AB	X		
LHMC Finco 2 SARL	X		
Light & Wonder International, Inc.			X
Light & Wonder, Inc.			X
LiNiu Technology Group	X		X
LLPL Capital Pte Ltd.	X		
Lotarija na Makedonija AD Skopje	X		
Lotte Tour Development Co., Ltd.	X		
Lotto24 AG			X
Lottomatica Group SpA	X		
Lottomatica SpA	X		
Macau Legend Development Limited	X		
Magnum Berhad	X		
Mandalay Resort Group	X		
Manila Jockey Club, Inc.	X		
Marina District Development Co. LLC	X		
Marina District Finance Co., Inc.	X		
Mars Group Holdings Corp.			X
Maverick Acquisition Canada ULC Corp.	X		
Melco International Development Limited	X		
Melco Resorts & Entertainment (Philippines) Corp.	X		
Melco Resorts & Entertainment Limited	X		
Melco Resorts Finance Ltd.	X		
MGM China Holdings Limited	X		
MGM Resorts International	X		
MGP Escrow Issuer LLC	X		
Midwest Gaming Borrower LLC	X		
mixi, Inc.	X		
Mohegan Gaming & Entertainment	X		
Monarch Casino & Resort, Inc.	X		
Monte-Carlo Societe des Bains de Mer SA	X		
Mr Green & Co. AB	X		
mybet Holding SE	X		
NagaCorp Ltd.	X		
NeoGames SA			X
Net Holding AS	X		
NetPlay TV Ltd.	X		
Nevada Gold & Casinos, Inc.	X		
Newbury Racecourse Plc	X		
Nexteq Plc			X
Niraku GC Holdings, Inc.	X		

Gambling Exclusions Company	Production	Distribution	Services
Novomatic AG	X		X
Odyssey Europe Holdco SARL	X		
OIZUMI CORP.			X
Ollamani SAB	X		
Olympia Industries Berhad	X		
Olympic Entertainment Group AS	X		
Pacific Online Systems Corp.			X
Paradise Co., Ltd.	X		
Paradise Entertainment Limited			X
Parpro Corp.			X
Peermont Global (Pty) Ltd.	X		
Peninsula Gaming, LLC	X		
PENN Entertainment, Inc.	X		
pferdewetten.de AG	X		X
Philweb Corporation	X	X	X
Phumelela Gaming & Leisure Ltd.	X		
Pinnacle Entertainment, Inc.	X		
PlayAGS, Inc.			X
Playsafe Holding AS			X
Playtech plc	X		X
PNK Finance Corp.	X		
PointsBet Holdings Limited			X
Pollard Banknote Limited			X
Premium Leisure Corp.	X		X
PT (Jersey) Ltd.	X		X
Raketech Group Holding Plc			X
Rank Group Plc	X		
Red Rock Resorts, Inc.	X		
Redcape Hotel Group Management Ltd.	X		
Reef Casino Trust	X		
REXLot Holdings Ltd.		X	X
RGB International Bhd.			X
River Rock Entertainment Authority	X		
Rivers Pittsburgh Borrower LP	X		
Royal Highgate PCL			X
Royal International Corp.	X		
Rush Street Interactive, Inc.	X		X
Sands China Ltd.	X		
Sankyo Co., Ltd.			X
Score Media and Gaming Inc.	X		X
Scout Gaming Group AB			X
Secure Electronic Technology Plc	X		
Sega Sammy Holdings, Inc.			X
Seminole Hard Rock Entertainment, Inc.	X		
Seneca Gaming Corp.	X		
Seven Aces Limited	X		
Shingle Springs Tribal Gaming Authority	X		
Silver Heritage Group Ltd.	X		X
SJM Holdings Limited	X		
SkyCity Entertainment Group Limited	X		
SNAITECH SpA	X		
Snoqualmie Entertainment Authority	X		
Sociedad Hipodromo Chile SA	X		
Societe Fermiere du Casino Municipal de Cannes SA	X		
Societe Francaise de Casinos SA	X		
Southwest Casino Corp.	X		
Sportech PLC	X		X
Sportingbet Ltd.	X		
Sports Toto Bhd.	X		X
Station Casinos LLC	X		
Stride Gaming Ltd.	X		
STS Holding SA	X		
Studio City Co. Ltd.	X		
Studio City Finance Ltd.	X		
Studio City International Holdings Limited	X		
SugarHouse HSP Gaming LP	X		
SugarHouse HSP Gaming Prop. Mezz LP	X		
Summit Ascent Holdings Limited	X		
Sun International Ltd.	X		
Sunborn (Gibraltar) Ltd.	X		
Super Group (SGHC) Ltd.	X		
Supreme Ventures Ltd.	X		

Gambling Exclusions Company	Production	Distribution	Services
Syzygy Entertainment Ltd.			x
Tabcorp Holdings Limited	x		x
Tabcorp Maxgaming Holdings Ltd.	x		
Table Trac, Inc.			x
Tangiamo Touch Technology AB			x
The Intertain Group Limited	x		
The Lottery Corporation Limited	x		
The Majestic Star Casino LLC	x		
The Seminole Tribe of Florida, Inc.	x		
The Star Entertainment Group Limited	x		
The Stars Group Inc.	x		
Tintra Ltd.			x
TokyoTokai Co., Ltd.	x		
Travellers International Hotel Group, Inc.	x		
Tropicana Entertainment, Inc.	x		
Tsogo Sun Ltd.	x		
Tsuburaya Fields Holdings, Inc.			x
Tunica Biloxi Gaming Authority	x		
Tunica-Biloxi Tribe of Louisiana	x		
Universal Entertainment Corp.	x		x
Valparaiso Sporting Club SA	x		
VICI Properties	x		x
Waterfront Philippines, Inc.	x		
Webis Holdings Plc	x		
William Hill Ltd.	x		
WMS Industries, Inc.			x
Wynn Las Vegas LLC	x		
Wynn Macau Limited	x		
Wynn Resorts, Limited	x		
XLMedia Plc			x
ZEAL Network SE	x		
Total excluded companies	235	5	107

Military Equipment

Military equipment refers to equipment that has been developed, designed, or modified for military use based on military specifications. Criteria for the military exclusions are defined in the Exclusion Instruction.

Military Company	Production	Distribution	Services
Abu Dhabi Ship Building Co.	x	x	
ADS Tactical, Inc.		x	
Aerojet Rocketdyne Holdings, Inc.	x		
Aerospace Industrial Development Corp.	x	x	
Aerostar SA	x	x	
AeroVironment, Inc.	x	x	
AirBoss of America Corp.	x		
Airbus Finance BV	x	x	
Airbus SE	x	x	
AMMO, Inc.	x		
Amentum Holdings, Inc.			x
Apollo Micro Systems Limited	x	x	
Aryt Industries Ltd.	x		
Asahi-Seiki Manufacturing Co., Ltd.	x		
Aselsan Elektronik Sanayi ve Ticaret AS	x	x	x
Astra Microwave Products Limited	x		
Austal Limited	x	x	
Avic (Chengdu) UAS Co., Ltd.	x	x	
AVIC Airborne Systems Co., Ltd.	x		
AVIC Shenyang Aircraft Co., Ltd.	x	x	
AVIC Xi'an Aircraft Industry Group Co., Ltd.	x	x	
AviChina Industry & Technology Company Limited	x	x	
Avicopter Plc	x	x	
Avio S.p.A.	x	x	
Babcock International Group Plc	x	x	
BAE Systems (Finance) Ltd.	x	x	
BAE Systems Plc	x	x	
BEML Limited	x	x	
Bharat Dynamics Limited	x	x	
Bharat Electronics Limited	x	x	
Bharat Forge Limited		x	x
Booz Allen Hamilton Holding Corporation			x
Booz Allen Hamilton, Inc.			x
Boustead Heavy Industries Corporation Berhad	x	x	
Butler National Corporation	x	x	
BWX Technologies, Inc.			x
CACI International Inc			x
Chemring Group Plc	x	x	
China Aerospace Science & Technology Corp.	x	x	
China Aerospace Times Electronics Co., Ltd.	x	x	
China North Industries Group Corp. Ltd.	x	x	
China Poly Group Corp. Ltd.	x	x	x
China Shipbuilding Industry Co., Ltd.	x	x	
China South Industries Group Co., Ltd.	x	x	
China State Shipbuilding Corp. Ltd.	x	x	
CIRCOR International, Inc.	x	x	
Cochin Shipyard Limited	x	x	
Cohort Plc	x	x	
Colt CZ Group SE	x	x	x
CPI Aerostructures, Inc.	x		
CSBC Corp. Taiwan	x	x	
CSSC Capital 2015 Ltd.	x	x	
CSSC Capital Two Ltd.	x	x	
Curtiss-Wright Corporation	x		
Dassault Aviation SA	x	x	
Data Patterns (India) Ltd.	x	x	
Destini Berhad	x	x	
Ducommun Incorporated	x		
DynCorp (Parent) International Inc.			x
Dynatomic Technologies Limited	x		
Eaton Capital ULC	x	x	
Eaton Corporation plc	x	x	
Elbit Systems Ltd.	x	x	
Electro Optic Systems Holdings Limited	x	x	
Embraer Netherlands Finance BV	x	x	
Embraer Overseas Ltd.	x	x	
Embraer SA	x	x	
EMCORE Corporation	x		

Military Company	Production	Distribution	Services
Esterline Technologies Corp.	X		
Exail Technologies SA			X
Fincantieri SpA	X	X	
FIRSTEC Co., Ltd.	X	X	
Fluor Corporation	X		
Garden Reach Shipbuilders & Engineers Limited	X	X	
GE Aerospace	X		
GE Capital Canada Funding Co.	X		
GE Capital European Funding Unlimited Co.	X		
GE Capital International Funding Company Unlimited Co.	X		
GE Capital UK Funding Unlimited Co.	X		
General Dynamics Corporation	X	X	
General Electric Capital Corp.	X		
Graham Corporation	X	X	
H&K AG	X	X	
Hanwha Aerospace Co., Ltd.	X	X	
Hanwha Corp.	X	X	
Hanwha Systems Co., Ltd.	X	X	
HBL Engineering Limited	X	X	
Heckler & Koch GmbH	X	X	
HEICO Corporation	X	X	
HENSOLDT AG	X	X	
HII Mission Technologies Corp.			X
Hindustan Aeronautics Ltd.	X	X	
HJ SHIPBUILDING & CONSTRUCTION Co., Ltd.	X	X	
Honeywell International Inc.	X	X	
Howa Machinery, Ltd.	X		
Huntington Ingalls Industries, Inc.	X	X	
HYUNDAI ROTEM Co.	X	X	
Iar SA			X
IHI Corp.	X	X	
Imco Industries Ltd.	X		
Indra Sistemas SA			X
Inner Mongolia First Machinery Group Co., Ltd.	X		
James Fisher & Sons plc	X	X	
Jiangxi Hongdu Aviation Industry Co., Ltd.	X	X	
Jihua Group Corp. Ltd.		X	
Kaman Corporation	X	X	
Kawasaki Heavy Industries Ltd.	X	X	
KBR, Inc.			X
Kirov Mayak Plant OAO	X	X	
Kongsberg Gruppen ASA	X	X	
Korea Aerospace Industries Ltd.	X	X	
Kratos Defense & Security Solutions, Inc.	X	X	
L3 Technologies, Inc.	X	X	
L3Harris Technologies, Inc.	X	X	
Leidos Holdings, Inc.	X	X	
Leidos, Inc.	X	X	
Leonardo DRS, Inc.	X	X	
Leonardo SpA	X	X	
Leonardo US Holding, Inc.	X	X	
LIG Nex1 Co., Ltd.	X	X	
LMI Aerospace, Inc.			X
Lockheed Martin Corporation	X	X	
Lumibird SA	X	X	
Machine Building Plant Arsenal OJSC	X		
Magellan Aerospace Corporation	X	X	
ManTech International Corporation			X
Mazagon Dock Shipbuilders Ltd.	X	X	
Meggitt Ltd.	X	X	
Mishra Dhatu Nigam Limited			X
Mitsubishi Heavy Industries, Ltd.	X	X	
Moog Inc.	X	X	
Moscow Machine Building Plant Vpered JSC	X		
Motor Sich JSC			X
MS International plc	X	X	
National Presto Industries, Inc.	X	X	
NC Kazakhstan Engineering JSC	X	X	
NOF Corp.	X	X	
North Industries Group Red Arrow Co., Ltd.	X	X	
North Navigation Control Technology Co., Ltd.	X		
Northrop Grumman Corporation	X	X	

Military Company	Production	Distribution	Services
Northrop Grumman Systems Corp.	X	X	
Oceaneering International, Inc.			X
Olin Corporation	X		
Optex Systems Holdings, Inc.	X		
Oshkosh Corporation	X	X	
Otokar Otomotiv ve Savunma Sanayi AS	X	X	
PAE Incorporated			X
Parker-Hannifin Corporation	X	X	
Parsons Corporation			X
Paras Defence & Space Technologies Ltd.	X		
Poongsan Corp.	X		
POONGSAN HOLDINGS Corp.	X		
Premier Explosives Ltd.	X	X	
QinetiQ Group plc	X	X	
Raytheon Co.	X	X	
Reunert Ltd.	X	X	
Rheinmetall AG	X	X	
Ricardo plc			X
Rolta Americas LLC	X	X	
Rolta India Limited	X	X	
Rolta LLC	X	X	
Romaero SA			X
RSL Electronics Ltd.	X	X	
RTX Corporation	X	X	
SA Belge De Constructions Aeronautiques			X
Safran SA	X	X	
Science Applications International Corporation	X	X	
SDT Uzay ve Savunma Teknolojileri AS	X		
Serco Group Plc			X
Singapore Technologies Engineering Ltd.	X	X	
SK Oceanplant Co., Ltd.	X		
Smith & Wesson Brands, Inc.	X	X	
SNT DYNAMICS Co., Ltd.	X		
Special Machine Building & Metallurgy PJSC	X	X	
Spirit AeroSystems Holdings, Inc.	X	X	
Spirit AeroSystems, Inc.	X	X	
ST Engineering Financial I Ltd.	X	X	
Saab Ab	X	X	
Swan Defence & Heavy Industries Limited	X		X
TA Mfg Ltd.	X		
Taurus Armas SA	X	X	
Taylor Devices, Inc.	X		
Techpribor PJSC	X		
Teledyne FLIR LLC	X	X	
Teledyne Technologies Incorporated	X	X	
Textron Financial Corp.	X	X	
Textron Inc.	X	X	
Thales Belgium SA	X	X	
Thales SA	X	X	
The Boeing Company	X	X	
TransDigm Group Incorporated	X	X	
TransDigm, Inc.	X	X	
Tula Gun Factory JSC	X		
V. A. Degtyarev Plant OJSC	X		
V2X, Inc.			X
Verney-Carron SA	X		
Vista Outdoor Inc.	X		
Walchandnagar Industries Ltd.	X	X	
Woodward, Inc.	X	X	
Wuhan Guide Infrared Co., Ltd.	X		
AAR Corp.			X
Total excluded companies	174	134	29

Fossil Fuel Transition Laggards

Publication of exclusion list pending.

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.

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
2i Rete Gas SpA				x		
3i Infrastructure PLC			x		x	x
88 Energy Limited		x	x			
A2A SpA			x	x	x	
AB Ignitis Gamyba			x		x	
AB Igrene	x					
Aban Offshore Limited						x
ABL Group ASA						x
Aboitiz Equity Ventures, Inc.			x		x	
Aboitiz Power Corp.			x		x	
Abraxas Petroleum Corporation		x	x			
Absolute Clean Energy Public Company Limited			x		x	
Abterra Ltd.				x		x
Abu Dhabi Crude Oil Pipeline LLC				x		
Abu Dhabi National Energy Co. PJSC		x	x		x	
Abu Dhabi National Oil Co. for Distribution PJSC				x		
ACEN Corporation			x		x	
ACWA Power Co.			x		x	
Adams Resources & Energy, Inc.				x		x
Adani Electricity Mumbai Ltd.			x		x	
Adani Enterprises Limited		x	x	x		
Adani Power Limited			x		x	
Adani Total Gas Limited				x		
Ades Holding Co.						x
ADNOC Drilling Co. PJSC						x
ADNOC Gas Plc			x			
ADNOC Logistics & Services Plc				x		x
Advantage Energy Ltd.		x	x	x		
Aegis Logistics Ltd.				x		
Aenza SAA		x	x	x		x
AES Andes SA			x	x	x	
AES Argentina Generacion SA			x		x	
AES El Salvador Trust II			x		x	
AES Espana BV			x		x	
Africa Oil Corp.		x	x			
African Rainbow Minerals Ltd.		x	x			
AGL Energy Limited			x	x	x	
Agritrade Resources Limited		x	x		x	x
Ahlatci Dogal Gaz Dagitim Enerji ve Yatirim AS				x		
AI Candelaria (Spain) SLU				x		
Air Water, Inc.				x		
Akastor ASA						x
Akenerji Elektrik Uretim AS			x		x	
Aker ASA		x	x			x
Aker BP ASA		x	x			
Aker Solutions ASA						x
Aksa Enerji Uretim AS			x		x	
Alabama Power Company			x		x	
Alarko Holding AS			x		x	x
Albanesi SA			x		x	
Albioma SA			x		x	
Aldrees Petroleum & Transport Services Co.				x		x
Alexandria Mineral Oils Co.			x			
Algonquin Power & Utilities Corp.			x	x	x	
ALLETE, Inc.		x	x		x	
Alliance Holdings GP LP		x	x			x
Alliance Oil Co., Ltd.		x	x			
Alliance Resource Operating Partners LP		x	x			x
Alliance Resource Partners LP		x	x			x
Alliant Energy Corporation			x	x	x	
Alon USA Energy, Inc.			x			
Alpha Metallurgical Resources, Inc.		x	x			
Alpiq Holding AG			x	x	x	

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Alta Mesa Holdings, LP		X	X			
Alta Mesa Resources, Inc.		X	X	X		
AltaGas Ltd.			X	X	X	
Altera Infrastructure LP						X
Altera Shuttle Tankers LLC						X
Altius Minerals Corporation		X	X			
Amazing Energy Oil & Gas Co.		X	X			
Amec Foster Wheeler Ltd.						X
Ameren Corporation			X	X	X	
American Biofuels, Inc.	X					
American Electric Power Company, Inc.			X		X	
American Tanker, Inc.						X
AmeriGas Finance LLC				X		
AmeriGas Partners, L.P.				X		
Amerisur Resources Ltd.		X	X			
Amplify Energy Corp.		X	X			
Ampol Limited			X	X		
An Hui Wenergy Co., Ltd.			X	X	X	
Anadarko Petroleum Corporation		X	X	X		
Andeavor LLC			X			
Anglo American Capital Plc		X	X	X		
Anglo American plc		X	X	X		
Anhui Hengyuan Coal Industry & Electricity Power Co., Ltd.		X	X		X	
AntarChile SA				X		
Antero Midstream Corporation				X		X
Antero Midstream Partners LP				X		X
Antero Resources Corporation		X	X	X		
Antero Resources Finance Corp.		X	X	X		
Anton Oilfield Services Group						X
APA CORPORATION		X	X	X		
APA Group			X	X	X	
APA Infrastructure Ltd.			X	X	X	
Apache Corp.		X	X	X		
Apache Finance Canada LLC		X	X	X		
Apetra SA				X		
Appalachian Power Co.			X		X	
Approach Resources Inc.		X	X			
Aquila Holdings ASA						X
ARC Resources Ltd.		X	X	X		
Arch Resources, Inc.		X	X			
Archer Ltd.						X
Archrock Partners LP						X
Archrock, Inc.						X
Ardmore Shipping Corporation						X
Arizona Public Service Co.			X		X	
ARKO Corp.				X		
Armour Energy Limited		X	X			
Arrow Exploration Corp.		X	X			
Ascent Resources Utica Holdings LLC		X	X			
Ascopiave SpA				X		
Ashdod Refinery Ltd.			X			
Asia Cement Corp.			X		X	
Aspire Mining Limited	X					
ATCO Ltd.			X	X	X	
Athabasca Oil Corporation		X	X			
Atlantic Petroleum P/F			X			
Atlantic Power Corporation			X		X	
Atlantica Sustainable Infrastructure Plc			X		X	
Atlas Energy Group LLC		X	X			
Atlas Energy Solutions, Inc.						X
Atmos Energy Corporation				X		
Attock Petroleum Ltd.				X		
Audax Renovables SA				X		
Aurizon Network Pty Ltd.						X
Aurora LPG Holding AS						X
Ausnet Pty Ltd. (Victoria)				X		
AusNet Services Holdings Pty Ltd.				X		
AusTex Oil Ltd.			X			
Australis Oil & Gas Limited		X	X			
Autobahn Tank & Rast Gruppe GmbH & Co. KG				X		
Avance Gas Holding Ltd.						X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Avangrid, Inc.			X	X	X	
Avista Corporation			X	X	X	
AWE Pty Ltd.		X	X			
AXP Energy Limited		X	X			
Aygaz AS				X		
B.Grimm Power Public Co. Ltd.			X		X	
Baker Hughes Company						X
Baker Hughes Holdings LLC						X
Baltimore Gas & Electric Co.				X		
Bangchak Corporation Public Company Limited		X	X	X		
Bangchak Sriracha Public Company Limited			X			
Bangkok Aviation Fuel Services Public Co., Ltd.				X		
Banpu Power Public Co. Ltd.			X		X	
Banpu Public Company Limited		X	X	X	X	
Barnwell Industries, Inc.		X	X			
Bashneft PJSOC		X	X			
Basic Energy Services, Inc.						X
Baskent Dogalgaz Dagitim Gayrimenkul Yatirim Ortakligi AS				X		
Bathurst Resources Limited		X	X			X
Battalion Oil Corporation		X	X			
Baytex Energy (LP) Ltd.		X	X			
Baytex Energy Corp.		X	X			
Beach Energy Limited		X	X			
Beijing Energy Investment Holdings Ltd.		X	X	X	X	
Beijing Enterprises Holdings Limited				X		
Beijing Gas Blue Sky Holdings Limited				X		X
Beijing Haohua Energy Resource Co., Ltd.		X	X			X
Beijing Jingneng Clean Energy Co., Limited			X		X	
Beijing Jingneng Power Co., Ltd.			X		X	
Belgelec Finance SA			X	X	X	
Bellis Acquisition Co. Plc				X		
Berkshire Hathaway Energy Co.			X	X	X	
Berry Corporation		X	X		X	X
Berry Petroleum Co. LLC		X	X		X	X
Bestsun Energy Co., Ltd.			X	X		
Bestway Marine & Energy Technology Co., Ltd.				X		
Bharat Petroleum Corporation Limited			X			
BHP Billiton Finance (USA) Ltd.		X	X			
BHP Billiton Finance BV		X	X			
BHP Billiton Finance Ltd.		X	X			
BHP Group Limited		X	X			
Bighorn Permian Resources LLC		X	X			
Biglari Holdings Inc.		X	X			
Binh Son Refining & Petrochemical Co. Ltd.			X			
Binhai Investment Company Limited				X		X
Birchcliff Energy Ltd.		X	X	X		
Bisichi Plc		X	X			
Bison Merger Sub I LLC						X
BKW AG			X		X	
BKW Energie AG			X		X	
Black Hills Corporation		X	X	X	X	
Black Stone Minerals, L.P.		X	X			
BlackPearl Resources, Inc.		X	X			
Blue Racer Finance Corp.				X		
Blue Racer Midstream LLC				X		
Blue Star Helium Limited		X	X			
BlueNord ASA		X	X			
Bluewater Energy Services BV						X
BOA SBL AS						X
Boardwalk Pipeline Partners LP				X		X
Boardwalk Pipelines LP				X		X
Bollore SE				X		
Bonavista Energy Corporation		X	X			
Bonterra Energy Corp.		X	X			
Borets Finance DAC						X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Borr Drilling Ltd.						X
Boston Gas Co.				X		
BOURBON Maritime SASU						X
Boustead Holdings Berhad				X		
Bowen Coking Coal Limited		X	X			
BP Capital Markets America, Inc.		X	X			
BP Capital Markets BV		X	X			
BP Capital Markets Plc		X	X			
BP plc		X	X			
BPRL International Singapore Pte Ltd.			X			
Braskem America Finance Co.			X	X		
Braskem Finance Ltd.			X	X		
Braskem Netherlands Finance BV			X	X		
Braskem SA			X	X		
Brava Energia		X	X			X
Brickworks Limited		X	X			
Brightoil Petroleum (Holdings) Ltd.		X	X	X		X
BRISTOW GROUP INC.						X
Brooge Energy Limited				X		
Brooge Petroleum & Gas Investment Co. FZE				X		
Brookfield Business Partners LP				X		
Brookfield Infrastructure Corporation				X		
Brookfield Infrastructure Finance LLC				X		
Brookfield Infrastructure Finance ULC				X		
Brookfield Infrastructure Partners LP				X		
Brookside Energy Limited		X	X			
Bruin E&P Partners LLC		X	X			
Buckeye Partners, L.P.				X		
Bulgarian Energy Holding EAD		X	X	X	X	
Bumi Armada Berhad						X
Bumi Investment Pte Ltd.		X	X			
BW Energy Ltd.		X	X			
BW Group Ltd.						X
BW LPG Ltd.				X		X
BW Offshore Ltd.		X	X			X
Cactus, Inc.						X
Cadent Finance Plc			X	X	X	X
Cadogan Energy Solutions Plc		X	X			
CalEnergy Generation LLC			X		X	
Calfrac Holdings LP						X
Calfrac Well Services Ltd.						X
California Resources Corporation		X	X	X	X	
Callon Petroleum Company		X	X	X		
Calpine Corp.			X	X	X	
Calumet, Incorporated			X			
Camber Energy, Inc.		X	X			
Cameron LNG LLC				X		
Can2 Termik AS			X		X	
Canacol Energy Ltd.		X	X			
Canadian Natural Resources Limited		X	X			
Canadian Utilities Limited			X	X	X	
CanAsia Energy Corp.	X					
Canvas Energy, Inc.		X	X			
Capex SA		X	X		X	
Capital Power Corporation			X		X	
Capitan Investment Ltd.		X	X			
Capricorn Energy Plc		X	X			
CARBO Ceramics Inc.						X
Cardinal Energy Ltd.		X	X			
Carnarvon Energy Limited	X					
Cenovus Energy Inc.		X	X	X		
CenterPoint Energy Resources Corp.				X		
CenterPoint Energy, Inc.			X	X	X	
Central Puerto SA			X	X	X	X
Centrica Plc		X	X	X		
CEPSA Finance SAU		X	X			
Cequence Energy Ltd.		X	X			
CES Energy Solutions Corp.						X
CESC Ltd.			X		X	
CEZ as		X	X	X	X	
CGN New Energy Holdings Co., Ltd.			X		X	
CH Energy Group, Inc.			X	X	X	

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
ChampionX Corporation						X
Chandra Prabhu International Ltd.				X		
Channel Infrastructure NZ Limited			X	X		
Chariot Ltd.	X					
Cheniere Corpus Christi Holdings LLC				X		
Cheniere Energy Partners LP				X		
Cheniere Energy, Inc.				X		
Chennai Petroleum Corporation Limited			X			
Chesapeake Energy Corporation		X	X			
Chesapeake Utilities Corporation			X	X	X	X
Cheung Kong Infrastructure Finance (BVI) Ltd.			X	X	X	
Chevron Corporation		X	X			
Chevron U.S.A., Inc.		X	X			
China Aviation Oil (Singapore) Corp. Ltd.				X		
China Coal Energy Company Limited		X	X	X	X	X
China Coal Xinji Energy Co., Ltd.		X	X		X	
China Gas Holdings Limited				X		X
China High Speed Transmission Equipment Group Co., Ltd.				X		X
China HK Power Smart Energy Group Limited				X		X
China Huadian Corp., Ltd.		X	X		X	
China Huadian Overseas Development 2018 Ltd.		X	X		X	
China Huadian Overseas Development Management Co., Ltd.		X	X		X	
China Huaneng Group Co., Ltd.		X	X		X	
China Huarong Energy Company Limited		X	X			X
China Longyuan Power Group Corp. Ltd.			X	X	X	X
China Merchants Energy Shipping Co., Ltd.						X
China National Chemical Corp., Ltd.			X			
China National Petroleum Corp.		X	X			
China Oil and Gas Group Limited		X	X	X		
China Oilfield Services Limited						X
China Petrochemical Corp.		X	X			
China Petroleum & Chemical Corporation		X	X			
China Petroleum Engineering Corp.						X
China Power Clean Energy Development Company Limited			X		X	
China Power International Development Limited			X		X	
China Qinfa Group Limited		X	X			
China Resources Gas Group Limited				X		X
China Resources Power Holdings Co., Ltd.			X		X	
China Risun Group Ltd.			X	X		
China Shenhua Energy Company Limited		X	X		X	
China Shenhua Overseas Capital Co., Ltd.		X	X		X	
China Suntien Green Energy Corporation Limited				X		
China Three Gorges Corp.			X	X	X	
Chord Energy Corporation		X	X	X		
Chubu Electric Power Co., Inc.			X		X	
Churchill Mining plc	X					
Cimarex Energy Co.		X	X	X		
Cimarex Resolute LLC		X	X			
CITGO Holding, Inc.			X			
CITGO Petroleum Corp.			X			
CITIC Limited		X	X		X	X
CITIC Resources Finance (2007) Ltd.		X	X	X		
CITIC Resources Holdings Limited		X	X	X		
Civitas Resources, Inc.		X	X			
CK Hutchison Capital Securities (17) Ltd.		X	X	X		
CK Hutchison Capital Securities (Europe) Ltd.		X	X	X		
CK Hutchison Europe Finance (18) Ltd.		X	X	X		
CK Hutchison Europe Finance (21) Ltd.		X	X	X		
CK Hutchison Finance (16) (II) Ltd.		X	X	X		
CK Hutchison Finance (16) Ltd.		X	X	X		

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

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Consumers Energy Company			X	X	X	
Contact Energy Ltd			X	X	X	
Continental Resources, Inc.		X	X			
ContourGlobal Ltd.			X		X	
ContourGlobal Power Holdings SA			X		X	
Conuma Resources Ltd.		X	X			
Cool Co. Ltd.						X
Cooper Energy Limited		X	X			
Core Laboratories Inc.						X
Coronado Global Resources Inc.		X	X			
Corporacion de Reservas Estrategicas Productos Petroliferos						X
Corral Petroleum Holdings AB			X			
Corsa Coal Corp.		X	X			
Cosan Finance Ltd.				X		
Cosan Luxembourg SA				X		
Cosan Overseas Ltd.				X		
Cosan SA				X		
COSCO SHIPPING Energy Transportation Co., Ltd.						X
COSL Finance (BVI) Ltd.						X
COSL Singapore Capital Ltd.						X
Cosmo Energy Holdings Co., Ltd.		X	X			
Cosmo Oil KK			X			
Coterra Energy Inc.		X	X			
Covey Park Energy LLC			X			
Covia Holdings LLC						X
CQP Holdco LP				X		
Crescent Energy Company		X	X	X		
Crestwood Equity Partners LP				X		X
Crew Energy Inc.		X	X			
CrownRock LP		X	X			
CSI Compressco LP						X
CU, Inc.			X	X	X	
Cubility AS						X
Cumberland Farms, Inc.				X		
CVR Energy, Inc.			X			
CVR Refining LLC			X			
CVR Refining LP			X			
Cydsa SAB de CV				X		
Czech Gas Networks Investments SARL				X		
Daimaru Enawin Co., Ltd.				X		
Daldrup & Soehne AG						X
Dalipal Holdings Limited						X
D'Amico International Shipping SA						X
Dana Gas PJSC		X	X			
Dana Gas Sukuk Ltd.		X	X			
Datang International Power Generation Co., Ltd.		X	X		X	
Dawson Geophysical Company						X
Dayang Enterprise Holdings Bhd.						X
DCC plc				X		
DCP Midstream LP			X	X		
DCP Midstream Operating LP			X	X		
DEA Finance SA		X	X	X		X
Deep Drilling 1 Pte Ltd.						X
Delek & Avner-Yam Thetis Ltd.		X	X			
Delek Energy Systems Ltd.		X	X			
Delek Group Ltd.		X	X			
Delek Logistics Finance Corp.				X		
Delek Logistics Partners LP				X		
Delek Overriding Royalty Leviathan Ltd.		X	X			
Delek US Energy, Inc.			X	X		
Delek US Holdings, Inc.			X	X		
Deleum Bhd.						X
Delmarva Power & Light Co.				X		
Delta Natural Gas Co., Inc.		X	X	X		
Delta Oil & Gas, Inc.		X	X			
Denbury, Inc.		X	X	X		X
Devon Energy Corporation.		X	X	X		
Devon Financing Corp. ULC		X	X	X		
Dexon Technology Public Co., Ltd.						X
DHT Holdings, Inc.						X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
DIALOG Group Berhad						X
Diamond Offshore Drilling, Inc.						X
Diamond S Shipping, Inc.						X
Diamondback Energy, Inc.		X	X	X		
Direct Energie SA			X	X	X	
Diversified Energy Co. Plc		X	X	X		
DMC Global Inc.						X
DMCI Holdings, Inc.		X	X		X	X
DNO ASA		X	X			
DNO North Sea Plc		X	X			
DOF ASA						X
DOF Group ASA						X
DOF Subsea AS						X
Dogan Sirketler Grubu Holding AS				X		
Dolphin Group ASA						X
Dominion Energy, Inc.		X	X	X	X	
Dominion Resources Capital Trust I		X	X	X	X	
Dominion Resources Capital Trust III		X	X	X	X	
Dommo Austria GmbH		X	X			
Dommo Energia SA		X	X			
Dorchester Minerals, L.P.		X	X			
Dorian LPG Ltd.						X
DT Midstream, Inc.				X		
DTE Electric Co.			X		X	
DTE Energy Company			X	X	X	
Dubai Electricity & Water Authority			X		X	
Duke Energy Carolinas LLC			X		X	
Duke Energy Corporation			X	X	X	
Duke Energy Florida LLC			X		X	
Duke Energy Florida Project Finance LLC			X		X	
Duke Energy Ohio, Inc.			X	X	X	
Dwellop AS						X
Dynegy Finance I, Inc.			X	X	X	
E.A. Technique (M) Berhad						X
E.ON International Finance BV				X		
E.ON SE				X		
E1 Corp.				X		
Eagle Energy Inc.		X	X			
EARTH INFINITY CO. LTD.				X		
Earthstone Energy, Inc.		X	X			
Eastcomtrans LLP						X
Eastern Energy Gas Holdings LLC				X		
Eastern Gas Transmission & Storage, Inc.				X		
E-Commodities Holdings Limited			X	X		
Ecopetrol SA		X	X			X
Ecora Resources Plc		X	X			
EDC Finance DAC						X
Edison Spa		X	X	X	X	
EDP Finance BV			X	X	X	
EDP-Energias de Portugal SA			X	X	X	
EER Finance, Inc.		X	X			
Eesti Energia AS		X	X	X	X	
EG Global Finance Plc				X		
EG Group Ltd.				X		
Egypt Kuwait Holding Co. SAE		X	X	X	X	
Eidesvik Offshore ASA						X
El Paso Electric Company			X		X	
El Paso Energy Capital Trust I		X	X	X		X
EL5-Energo PJSC			X		X	
Electric Power Development Co., Ltd.			X		X	
Electricite de France SA			X	X	X	
Electricity Generating Public Company Limited			X		X	
Electricity Supply Board Ltd.			X	X	X	
ElectroMagnetic GeoServices ASA						X
Elering AS				X		
Eletson Holdings, Inc.						X
Elion Energy Co., Ltd.			X	X	X	
Ellomay Capital Ltd.			X		X	
Elwood Energy LLC			X		X	
Emera Incorporated			X	X	X	
Empire Petroleum Corporation		X	X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Empresa Electrica Angamos SA			X		X	
Empresa Nacional del Petroleo SA		X	X	X		X
Empresas Copec SA				X		
Empresas Lipigas SA				X		
Empresas Publicas de Medellin ESP			X	X	X	
Enable Midstream Partners LP			X	X		
Enagas Financiaciones SA				X		
Enagas SA				X		
Enauta Participacoes SA		X	X			
Enbridge Energy Management LLC				X		
Enbridge Energy Partners LP				X		
Enbridge Gas, Inc.				X		
Enbridge Inc.				X		X
Enbridge Pipelines, Inc.				X		
EnBW Energie Baden Wuerttemberg AG			X	X	X	
ENBW International Finance BV			X	X	X	
EnCana Holdings Finance Corp.		X	X	X		
Endeavor Energy Resources LP		X	X			
Endesa SA			X	X	X	
ENEA SA		X	X	X	X	
Enefit Green AS			X		X	
Enel Americas SA			X		X	
Enel Chile SA			X	X	X	
Enel Generacion Chile SA			X	X	X	
ENEOS Holdings, Inc.		X	X	X	X	
Enerflex Ltd.						X
Energia Finance AB			X	X	X	
Energia SA			X	X	X	
Energiean Plc		X	X			
Energen Corp.		X	X			
Energeticky a prumyslovny holding as		X	X	X	X	
Energia Group Ltd.			X	X	X	
Energia Group NI FinanceCo Plc			X	X	X	
Energia Group NI Holdings Ltd.			X	X	X	
Energie AG Oberoesterreich			X	X	X	
Energijos Skirstymo Operatorius AB				X		
Energy Earth Public Company Limited				X		
Energy Resources LLC		X	X			
Energy Transfer LP				X		
Energy Transfer Operating LP				X		
Energy Ventures GOM LLC		X	X			
Energy World Corp. Ltd.		X	X		X	
Enerplus Corporation		X	X			
Enerya Enerji AS				X		
e-netz Suedhessen AG				X		
Eneva SA		X	X		X	
Enexis Holding NV				X		
ENGIE Brasil Energia SA				X		
Engie Energia Chile SA			X	X	X	
ENGIE Energia Peru SA			X		X	
ENGIE SA			X	X	X	
Engro Corporation Limited			X	X	X	
Eni Finance International SA		X	X		X	
Eni SpA		X	X		X	
Eni USA, Inc.		X	X		X	
Enka Insaat ve Sanayi AS			X		X	X
EnLink Midstream Finance Corp.			X	X		
EnLink Midstream LLC			X	X		
EnLink Midstream Partners LP			X	X		
ENN Clean Energy International Investment Ltd.		X	X	X		X
ENN Energy Holdings Limited				X		X
ENN Natural Gas Co., Ltd.		X	X	X		X
EnQuest PLC		X	X			
Enservco Corporation						X
Ensign Drilling, Inc.						X
Ensign Energy Services Inc.						X
Enteq Technologies Plc						X
Entergy Arkansas LLC			X		X	
Entergy Corporation			X	X	X	
Entergy Louisiana LLC			X	X	X	
Entergy Utility Affiliates LLC			X	X	X	
Entergy Utility Property, Inc.			X		X	

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Enterprise Products Operating LLC				X		
Enterprise Products Partners LP				X		
EOG Resources, Inc.		X	X	X		
EP Energy as			X	X	X	
EP Energy Corporation		X	X			
EP Energy LLC		X	X			
EP Infrastructure as			X	X	X	
EPH Financing International as		X	X	X	X	
Epsilon Energy Ltd.		X	X	X		
EQM Midstream Partners, LP				X		X
EQT Corporation		X	X			
Equinor ASA		X	X			X
Equital Ltd.		X	X			
Equitrans Midstream Corporation				X		X
Erdoel-Lagergesellschaft mbH						X
Erin Energy Corp.		X	X			
Ervia				X		
ESB Finance DAC			X	X	X	
Esentia Gas Enterprises S de RL de CV				X		
Eskom Holdings SOC Ltd.			X		X	
Essar Energy Ltd.		X	X		X	
Essential Utilities, Inc.				X		
Esso			X			
Etablissements Maurel & Prom SA		X	X			X
ETC Sunoco Holdings LLC				X		
Eterna Capital Pte Ltd.		X	X			
Eterna Plc				X		
Eurasia Drilling Co. Ltd.						X
Euronav MI II, Inc.						X
Euronav NV						X
eustream as				X		
Evergy Kansas Central, Inc.			X		X	
Evergy, Inc.			X		X	
Eversource Energy				X		
EVN AG			X	X	X	
Evolution Petroleum Corporation		X	X			
Evolve Transition Infrastructure LP				X		
EWE AG			X	X	X	
Excelerate Energy, Inc.				X		
EXCO Resources, Inc.		X	X			
Exillon Energy plc		X	X			
EXLP Finance Corp.						X
EXMAR NV						X
Expro Group Holdings N.V.						X
EXTERRAN CORPORATION						X
Exterran Energy Solutions LP						X
Extraction Oil & Gas, Inc.		X	X			
Exxaro Resources Ltd.		X	X			
Exxon Mobil Corporation		X	X			
FAR Limited	X					
Feishang Anthracite Resources Limited		X	X			
Ferrellgas Finance Corp.				X		X
Ferrellgas LP				X		X
Ferrellgas Partners, L.P.				X		X
Fieldpoint Petroleum Corp.		X	X			
First Gen Corporation			X		X	
First Pacific Company Limited			X		X	
First Philippine Holdings Corporation			X		X	
FirstEnergy Corp.			X		X	
FLEX LNG Ltd.						X
Floatel International Ltd.						X
Floene Energias SA				X		
Florida Gas Transmission Co. LLC				X		
Florida Power & Light Co.			X		X	
Fluvius System Operator CV				X		
Fluxys Belgium SA				X		
Fluxys SA				X		
Foran Energy Group Co., Ltd.				X		X
Forbes Energy Services Ltd.						X
Foresight Energy LLC		X	X			
Foresight Energy LP		X	X			
Formosa Petrochemical Corp.			X		X	
Formosa Taffeta Co., Ltd.				X		

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

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

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Hi-Crush Inc.						X
Hidili Industry International Development Limited		X	X			
High Arctic Energy Services Inc.						X
High Peak Royalties Limited	X					
HighPeak Energy, Inc.		X	X			
HighPoint Operating Corp.		X	X			
HighPoint Resources Corporation		X	X			
Hilcorp Energy I LP		X	X			
Hilong Holding Ltd.						X
Hindustan Petroleum Corporation Limited			X			
Hiroshima Gas Co., Ltd.				X		
HK Electric Investments & HK Electric Investments Ltd.			X		X	
HKCG (Finance) Ltd.			X	X		X
HKN Energy Ltd.		X	X			
Hoegh Evi Ltd.						X
Hokkaido Electric Power Co., Inc.			X		X	
Hokkaido Gas Co., Ltd.			X	X	X	X
Hokuriku Electric Power Co.			X		X	
Holly Energy Partners, L.P.				X		X
Honghua Group Ltd.						X
Hopewell Holdings Ltd.			X		X	
Horizon Oil Limited		X	X			
Hornbeck Offshore Services, Inc.						X
Hosken Consolidated Investments Ltd.		X	X			
Houston American Energy Corp.		X	X			
HPCL-Mittal Energy Ltd.			X	X		
Hrvatska Elektroprivreda dd			X	X	X	
Huadian Energy Co., Ltd.		X	X		X	
Huadian Power International Corp. Ltd.		X	X		X	
Huaibei Mining Holdings Co., Ltd.		X	X	X	X	X
Huaneng Hong Kong Capital Ltd.		X	X		X	
Huaneng Power International, Inc.			X		X	
Hubei Energy Group Co., Ltd.			X	X	X	
Hunter Group ASA						X
Hunting Plc						X
Hutchison Whampoa Europe Finance (12) Ltd.		X	X	X		
Hutchison Whampoa Europe Finance (13) Ltd.		X	X	X		
Hutchison Whampoa Finance (03/13) Ltd.		X	X	X		
Hutchison Whampoa Finance (05) Ltd.		X	X	X		
Hutchison Whampoa Finance (06) Ltd.		X	X	X		
Hutchison Whampoa Finance (09) Ltd.		X	X	X		
Hutchison Whampoa Finance (14) Ltd.		X	X	X		
Hutchison Whampoa Finance (CI) Ltd.		X	X	X		
Hutchison Whampoa Finance UK Plc		X	X	X		
Hutchison Whampoa International (03/33) Ltd.		X	X	X		
Hutchison Whampoa International (09) Ltd.		X	X	X		
Hutchison Whampoa International (09/16) Ltd.		X	X	X		
Hutchison Whampoa International (09/19) Ltd.		X	X	X		
Hutchison Whampoa International (10) Ltd.		X	X	X		
Hutchison Whampoa International (11) Ltd.		X	X	X		
Hutchison Whampoa International (12) Ltd.		X	X	X		
Hutchison Whampoa International (14) Ltd.		X	X	X		
Hutchison Whampoa International 12 II Ltd.		X	X	X		
HYUNDAI Corp.				X		X
Iberpapel Gestion SA			X		X	
Icahn Enterprises Finance Corp.			X	X		
Icahn Enterprises LP			X	X		
ICD Funding Ltd.		X	X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
ICD Sukuk Co. Ltd.		X	X			
Icon Offshore Bhd.						X
IDACORP, Inc.			X		X	
Idemitsu Kosan Co., Ltd.		X	X		X	
IE2 Holdco SAU			X		X	
IFM [US] Colonial Pipeline 2 LLC				X		
IG Seismic Services Ltd.						X
Ignitis grupe AB			X	X	X	
Imperial Oil Limited		X	X			
IMSK SE						X
INA-Industrija nafte dd		X	X			
Independence Contract Drilling, Inc.						X
Indian Oil Corporation Limited			X			
Indiana Michigan Power Co.			X		X	
Indigo Natural Resources LLC		X	X			
Indika Energy Capital III Pte Ltd.		X	X	X		X
Indo Energy Finance BV		X	X	X		X
Indo Energy Finance II BV		X	X	X		X
Indo Integrated Energy II BV		X	X	X		X
Indraprastha Gas Limited				X		
Indus Gas Ltd.		X	X			
Infraestructura Energetica Nova SAB de CV			X	X	X	
Inner Mongolia Dian Tou Energy Corp. Ltd.		X	X		X	
Inner Mongolia ERDOS Resources Co., Ltd.		X	X			
Inner Mongolia Junzheng Energy & Chemical Group Co., Ltd.			X		X	
Inner Mongolia Mengdian Huaneng Thermal Power Corp. Ltd.		X	X		X	
Inner Mongolia Yitai Coal Co., Ltd.		X	X			X
Inner Mongolia Yuan Xing Energy Co., Ltd.		X	X			
innogy Finance BV				X		
Innovex International, Inc.						X
INPEX Corp.		X	X			
InPlay Oil Corp.		X	X			
Inter Pipeline Ltd.			X	X		
Inter RAO UES PJSC			X		X	
InterGen NV			X		X	
International Airport Finance SA				X		
International Petroleum Corporation		X	X			
International Seaways, Inc.						X
Interoil Exploration & Production ASA		X	X			
Interstate Power & Light Co.			X	X	X	
Investment Corp. of Dubai		X	X			
ION Geophysical Corporation						X
IPALCO Enterprises, Inc.			X		X	
IPIC GMTN Ltd.		X	X			
Iren SPA			X	X	X	
Irkutskenergo JSC		X	X		X	
Iron Bridge Resources, Inc.		X	X			
IRPC Public Company Limited			X		X	
Island Offshore Shipholding LP						X
Israel Electric Corp. Ltd.			X		X	
Isramco Negev 2 LP		X	X			
Isramco, Inc.		X	X			X
Italgas SpA				X		
Italmobiliare SpA				X		
Ithaca Energy Plc		X	X			
Itochu Corp.		X	X	X		X
ITOCHU ENEX CO., LTD.			X	X	X	
Iwatani Corp.				X		
Izdemir Enerji Elektrik Uretim AS			X		X	
Izmir Demir Celik Sanayi AS			X		X	
J.O.E.L. Jerusalem Oil Exploration Ltd.		X	X			
Jagged Peak Energy LLC		X	X			
Jaiprakash Power Ventures Limited		X	X		X	
Japan Drilling Co., Ltd.						X
Japan Oil Transportation Co., Ltd.						X
Japan Petroleum Exploration Co., Ltd.		X	X	X	X	X
Jardine Cycle & Carriage Limited		X	X			X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Jardine Matheson Holdings Ltd.		X	X			X
Jardine Strategic Ltd.		X	X			X
Jastrzebska Spolka Weglowa SA		X	X			X
Jiangsu Expressway Company Limited				X		
Jiangsu Guoxin Corp. Ltd.			X	X	X	
Jiangxi Hongcheng Environment Co., Ltd.				X		
Jinneng Holding Shanxi Coal Industry Co., Ltd.		X	X			
Jinneng Holding Shanxi Electric Power Co., Ltd.			X		X	
Jinneng Science & Technology Co., Ltd.			X			
Jizhong Energy Resources Co., Ltd.		X	X			
JKX Oil & Gas Ltd.		X	X			
John Sevier Combined Cycle Generation LLC			X		X	
John Wood Group Plc						X
Jointo Energy Investment Co., Ltd. Hebei			X		X	
Jonah Energy LLC		X	X			
Jones Energy Finance Corp.		X	X			
Jones Energy Holdings LLC		X	X			
Jones Energy II, Inc.		X	X			
Jones Energy, Inc.		X	X			
Journey Energy Inc.		X	X	X	X	
JSW Energy Limited		X	X		X	
Jutal Offshore Oil Services Ltd.						X
K N Capital Trust III		X	X	X		X
K&O Energy Group, Inc.		X	X			
Kallpa Generacion SA			X		X	
Kangaroo Resources Pty Ltd.	X					
Karoon Energy Ltd.		X	X			
KazMunaiGas Exploration Production JSC		X	X			
KazMunaiGaz Finance Sub BV		X	X	X		
K-Electric Ltd.			X		X	
Kelt Exploration Ltd.		X	X	X		
KENON HOLDINGS LTD.			X		X	
Keppel Infrastructure Trust			X	X	X	
Key Energy Services, Inc.						X
Keyera Corp.			X	X		
Keyfield International Bhd.						X
KeySpan Gas East Corp.				X		
Kimbell Royalty Partners LP		X	X			
Kimou Environmental Holding Limited			X			
Kinder Morgan Energy Partners LP				X		X
Kinder Morgan Finance Co. LLC		X	X	X		X
Kinder Morgan Management LLC				X		
Kinder Morgan, Inc.		X	X	X		X
Kinetic Development Group Limited		X	X			
Kinetik Holdings Inc.				X		
Kingsland Energy Corp.						X
Kiwetinohek Energy Corp.		X	X	X		
KLX Energy Services Holdings, Inc.						X
KNM Group Berhad						X
Kobe Steel, Ltd.			X		X	X
Koc Holding A.S.			X	X		
Kodiak Gas Services, Inc.						X
KOKS Finance DAC		X	X			
Koks PJSC		X	X			
Kolibri Global Energy Inc.		X	X			
Korea District Heating Corp.			X		X	
Korea East-West Power Co., Ltd.			X		X	
Korea Electric Power Corp.			X		X	
Korea Gas Corp.		X	X	X		
Korea National Oil Corp.		X	X	X		
KOSMOS ENERGY LTD.		X	X			
Kot Addu Power Co. Ltd.			X		X	
Kreuz Holdings Ltd.						X
KrisEnergy Ltd.		X	X			
KSK Power Venture Plc			X		X	
Kukdong Oil & Chemicals Co., Ltd.				X		
KunLun Energy Company Limited		X	X	X		
Kuwait Energy Plc		X	X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Kuzbasskaya Toplivnaya Kompaniya PJSC		X	X	X		X
Kvaerner ASA						X
Kyoei Tanker Co., Ltd.						X
KyungDong Invest Co., Ltd.		X	X			
Kyushu Electric Power Co., Inc.			X	X	X	
Lamprell Plc						X
Lanka IOC PLC				X		
Latina Offshore Holding Ltd.						X
Latvenergo AS			X	X	X	
Lea Power Partners LLC			X		X	
Legacy Reserves LP		X	X			
Leucrotta Exploration Inc.		X	X			
LG&E & KU Energy LLC			X	X	X	
Liaoning Cheng Da Co., Ltd.		X	X	X		
Liberty Energy Inc.						X
Liberty Utilities Co.				X		
Liberty Utilities Finance GP1				X		
Lilis Energy, Inc.		X	X			
Lime Petroleum AS		X	X			
Linea Group Holding SpA			X	X	X	
Liquefied Natural Gas Limited						X
Listrindo Capital BV			X		X	
LLPL Capital Pte Ltd.		X	X		X	
Loews Corporation				X		
Lonestar Resources America, Inc.		X	X			
Lonestar Resources US, Inc.		X	X			
Lopez Holdings Corporation			X		X	
Louisville Gas & Electric Co.			X	X	X	
Lubelski Wegiel BOGDANKA SA		X	X			
Lucky Cement Ltd.			X		X	
Luenmei Quantum Co., Ltd.			X		X	
LUKOIL International Finance BV		X	X			
LX International Corp.		X	X			
LYB International Finance BV			X			
LYB International Finance II BV			X			
LYB International Finance III LLC			X			
LyondellBasell Industries N.V.			X			
Macquarie Infrastructure Holdings, LLC				X		
Madrilena Red de Gas Finance BV				X		
Madrilena Red de Gas SAU				X		
Magellan Midstream Partners, L.P.				X		
Magnolia Oil & Gas Corporation		X	X			
Magnolia Oil & Gas Operating LLC		X	X			
Magnora ASA						X
Magseis Fairfield ASA						X
Maha Energy AB		X	X			
Mahanagar Gas Limited				X		
Majapahit Holding BV			X		X	
Malakoff Corporation Berhad			X		X	
Malaysia Marine & Heavy Engineering Holdings Bhd.						X
Mammoth Energy Services, Inc.						X
Mamoura Diversified Global Holding PJSC		X	X			
Mangalore Refinery & Petrochemicals Ltd.			X			
Manila Electric Co.			X		X	
Manitok Energy, Inc.		X	X			
Marathon Oil Corporation		X	X			
Marathon Petroleum Corporation			X	X		
Mari Petroleum Co. Ltd.		X	X			
Maridive & Oil Services SAE						X
Marine & General Berhad						X
MarkWest Energy Finance Corp.				X		
MarkWest Energy Partners LP				X		
Martin Midstream Partners LP				X		X
Marubeni Corp.		X	X	X	X	X
Matador Resources Company		X	X	X		
Mattr Corp.						X
Maverick Natural Resources LLC		X	X			
MC Finance Australia Pty Ltd.		X	X	X	X	
MC Mining Limited		X	X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
McCoy Global Inc.						X
MDGH-GMTN BV		X	X			
MDU Resources Group, Inc.			X	X	X	
Mechel PAO			X			
Medco Oak Tree Pte Ltd.		X	X		X	
Medco Platinum Road Pte Ltd.		X	X		X	
Medco Strait Services Pte Ltd.		X	X		X	
MEG Energy Corp.		X	X	X	X	
Mega Advance Investments Ltd.				X		
Meiwa Corp.				X		
Memorial Production Finance Corp.		X	X			
Mesquite Energy, Inc.		X	X	X		
Metinvest BV		X	X	X		
Metlen Energy & Metals SA			X	X	X	X
Metro Pacific Investments Corporation			X		X	
Mexico Generadora de Energia S de RI			X		X	
MGE Energy, Inc.			X	X	X	
MidAmerican Energy Co.			X	X	X	
MidAmerican Funding LLC			X	X	X	
Midcontinent Express Pipeline LLC				X		
Midland Cogeneration Venture LP			X		X	
MIE Holdings Corporation		X	X			
MIND Technology, Inc.						X
Mississippi Power Co.			X		X	
Mitani Corp.				X		
Mitsubishi Corp.		X	X	X	X	
Mitsui & Co., Ltd.		X	X		X	
Mitsui Matsushima Holdings Co., Ltd.		X	X			
Mitsuuroko Group Holdings Co., Ltd.				X		
MJL Bangladesh Plc				X		
MMA Offshore Limited						X
MNRL Sub, Inc.		X	X			
Mo-BRUK SA				X		
MODEC, Inc.						X
MOL Group Finance SA		X	X	X		
MOL Hungarian Oil & Gas Plc		X	X	X		
Molecular Energies Plc		X	X			
Molopo Energy Limited	X					
Mongolia Energy Corporation Limited		X	X			
Mongolian Mining Corporation		X	X			
Monongahela Power Co.			X		X	
Mosenergo OAO			X		X	
Moss Creek Resources Holdings, Inc.		X	X			
Motiva Enterprises LLC			X	X		
Motor Oil (Hellas) Corinth Refineries SA			X	X		
MPC Energy Solutions NV			X		X	
MPLX LP			X	X		
MSU Energy SA			X		X	
Murphy Oil Corporation		X	X	X		
Murphy Oil USA, Inc.				X		
Murphy USA Inc.				X		
Murray Energy Corporation		X	X			
MVV Energie AG			X	X	X	
Mytilineos Financial Partners SA			X	X	X	X
Nabors Industries Ltd.						X
NACCO Industries, Inc.		X	X			
Naftogaz of Ukraine NJSC		X	X	X		
Naphtha Israel Petroleum Corp. Ltd.		X	X			
National Company KazMunayGas JSC		X	X	X		
National Energy Services Reunited Corp.						X
National Fuel Gas Company		X	X	X		
National Gas & Industrialization Co.				X		X
National Gas Transmission Plc				X		
National Grid North America, Inc.				X		
National Grid Plc			X	X	X	X
National Petroleum Co., Ltd.				X		
National Power Corp. (Philippines)			X		X	
National Refinery Ltd.			X			
Natural Gas Services Group, Inc.						X
Natural Resource Partners LP		X	X			X
Naturelgaz Sanayi ve Ticaret AS				X		
Naturgy Capital Markets SA			X	X	X	
Naturgy Energy Group SA			X	X	X	

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Naturgy Finance BV			X	X	X	
Nava Limited		X	X		X	
Navigator Holdings Ltd.						X
Navios Maritime Acquisition Corporation						X
Navios South American Logistics, Inc.				X		X
Nayara Energy Ltd.			X			
NCS Multistage Holdings, Inc.						X
Nederlandse Gasunie NV				X		
Neova Oy		X	X			
Neptune Energy Bondco Plc		X	X			
Neptune Energy Group Ltd.		X	X			
Neste Corp.			X	X		
NET4GAS sro				X		
NeuRizer Ltd			X			
Nevada Power Co.			X		X	
New Fortress Energy Inc.				X		X
New Hope Corporation Limited		X	X			
New Jersey Resources Corporation				X		
New York State Electric & Gas Corp.				X		
Newcastle Coal Infrastructure Group Pty Ltd.						X
Newmed Energy LP		X	X			
NewOcean Energy Holdings Limited				X		
Newpark Resources, Inc.						X
NextDecade Corporation.				X		
NextEra Energy Capital Holdings, Inc.			X	X	X	
NextEra Energy Operating Partners LP				X		
NextEra Energy Partners, LP				X		
NextEra Energy, Inc.			X	X	X	
NexTier Oilfield Solutions Inc.						X
NGG Finance Plc			X	X	X	X
NGL Energy Partners LP				X		X
NGPL PipeCo LLC				X		
Niko Resources Ltd.		X	X			
Nine Energy Service, Inc.						X
Ningxia Baofeng Energy Group Co., Ltd.			X			
Nippon Coke & Engineering Co., Ltd.			X	X		
Nippon Express Holdings, Inc.				X		
Nippon Gas Co., Ltd. (8174)				X		
NiSource Inc.			X	X	X	
NLC India Ltd.		X	X		X	
Noble Corporation plc						X
Noble Energy, Inc.		X	X	X		
Nordic American Tankers Limited						X
Norshore Atlantic BV						X
Nortegas Energia Distribucion SA				X		
North American Construction Group Ltd.						X
North Atlantic Drilling Ltd.						X
North Energy ASA						X
North Huajin Chemical Industries Co., Ltd.			X			
North Queensland Export Terminal Pty Ltd.						X
North West Redwater Partnership, Inc.			X			
Northern Drilling Ltd.						X
Northern Electric Finance Plc			X	X	X	
Northern Gas Networks Finance Plc				X		
Northern Gas Networks Ltd.				X		
Northern Natural Gas Co.				X		
Northern Ocean Ltd.						X
Northern Oil and Gas, Inc.		X	X			
Northern Powergrid Holdings Co.		X	X			
Northern States Power Co.			X	X	X	
Northland Power Inc.			X		X	
North-Star International Co., Ltd.				X		
Northwest Natural Gas Co.				X		X
Northwest Natural Holding Co.				X		X
Northwest Pipeline LLC				X		
NorthWestern Energy Group, Inc.			X	X	X	
Nostrum Oil & Gas Finance BV		X	X			
Nostrum Oil & Gas Plc		X	X			
NOV Inc.						X
Novatek Finance DAC		X	X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
NOVATEK JSC		X	X			
NRG Energy, Inc.			X	X	X	
NSG Holdings II LLC			X		X	
NTPC Limited			X		X	
NuStar Energy L.P.				X		
NuStar Logistics LP				X		
Nuverra Environmental Solutions, Inc.						X
NuVista Energy Ltd.		X	X			
NV Energy, Inc.			X	X	X	
NWF Group Plc				X		
Oando Plc		X	X	X		
Obsidian Energy Ltd.		X	X			
Occidental Petroleum Corporation		X	X	X		
Ocean Yield AS						X
Oceaneering International, Inc.						X
OCI Holdings Co. Ltd.			X		X	
OCV Recovery AS						X
Odas Elektrik Uretim Sanayi Ticaret AS		X	X		X	
Odfjell Drilling Ltd.						X
Odfjell Technology Ltd.						X
Offshore Drilling Holding SA						X
Offshore Oil Engineering Co., Ltd.						X
OGE Energy Corp.			X		X	
Oglethorpe Power Corp.			X		X	
Oil & Gas Development Co. Ltd.		X	X			
Oil & Natural Gas Corp. Ltd.		X	X			
Oil Co. LUKOIL PJSC		X	X			
Oil India Limited		X	X	X		
Oil Refineries Ltd.			X			X
Oil Search Ltd.		X	X			
Oil States International, Inc.						X
OKEA ASA		X	X			
Okeanis Eco Tankers Corp.						X
Oklahoma Gas & Electric Co.			X		X	
Old ANR LLC		X	X			
Oleoducto Central SA				X		
Olympic Subsea KS						X
OMV AG		X	X		X	
OMV Petrom SA		X	X		X	
ONE Gas, Inc.				X		
ONEOK Partners LP			X	X		
ONEOK, Inc.			X	X		
ONGC Videsh Ltd.		X	X			X
ONICO SA				X		
Ontario Power Generation, Inc.			X		X	
OPC Energy Ltd.			X		X	
OPE KAG Finance Sub, Inc.						X
Operateur de reseaux denergies SCRL				X		
Ophir Energy Ltd. (United Kingdom)		X	X			
OPUS GLOBAL Nyrt.				X		X
Orazul Energia Peru S.A.C		X	X		X	
Organizacion Terpel SA				X		
Oriental Energy Co., Ltd.				X		
Origin Energy Finance Ltd.		X	X	X	X	
Origin Energy Limited		X	X	X	X	
ORLEN Capital AB		X	X	X	X	
ORLEN SA		X	X	X	X	
ORLEN Unipetrol as			X	X		
Orsknefteorgsintez PJSC			X			
Orygen Peru SAA			X		X	
Osaka Gas Co., Ltd.			X	X	X	X
OSX Brasil SA						X
Otter Tail Corporation			X		X	
Otto Energy Limited		X	X			
Overseas Shipholding Group, Inc.						X
Ovintiv Canada ULC		X	X	X		
Ovintiv Exploration, Inc.		X	X			
Ovintiv Inc.		X	X	X		
OW Bunker A/S				X		
PACC Offshore Services Holdings Ltd.						X
Pacific Drilling First Lien Escrow Issuer Ltd.						X
Pacific Drilling SA						X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Pacific Drilling V Ltd.						X
Pacific Energy Limited			X		X	
Pacific Gas and Electric Company			X	X	X	
Pacific Radiance Ltd.						X
PacifiCorp			X		X	
Padma Oil Co. Ltd.				X		
Painted Pony Energy Ltd.		X	X			
Pakistan Oilfields Ltd.		X	X	X		
Pakistan Petroleum Ltd.		X	X			
Pakistan State Oil Co. Ltd.				X		
Pampa Energia SA		X	X		X	
Pan American Energy SL		X	X		X	
Panhandle Eastern Pipe Line Co. LP				X		
Panoche Energy Center LLC			X		X	
Panoro Energy ASA		X	X			
Pantheon Resources plc		X	X			
Par Pacific Holdings, Inc.		X	X	X		
Paragon Offshore plc						X
Paramount Resources Ltd.		X	X			
Paratus Energy Services Ltd.						X
Parex Resources Inc.		X	X			
Park Elektrik Uretim Madencilik Sanayi ve Ticaret AS		X	X			
Parker Drilling Co.						X
Parkland Corporation			X	X		
Parsley Energy LLC		X	X			
Parsley Energy LP		X	X			
Parsley Energy, Inc.		X	X			
Pason Systems Inc.						X
Patterson-UTi Energy, Inc.						X
Paz Oil Co. Ltd.			X	X		X
PBF Energy Inc.			X	X		
PBF Holding Co. LLC			X			
PBF Logistics LP				X		
PC Financial Partnership		X	X			
Peabody Energy Australia PCI Pty Ltd.		X	X			
Peabody Energy Corporation		X	X			
PECO Energy Co.				X		
PEDEVCO Corp.		X	X			
Pembina Pipeline Corporation				X		
Pemex Project Funding Master Trust		X	X			
Pengrowth Energy Corporation		X	X			
Perak Transit Berhad				X		
Perdana Petroleum Berhad						X
Perennial Energy Holdings Limited		X	X			
Permian Resources Corporation		X	X			
Permian Resources Operating LLC		X	X			
Perpetual Energy Inc.		X	X			
Peru LNG SRL				X		
Petmin Ltd.		X	X			
Petra Energy Bhd.						X
Petro River Oil Corp.		X	X			
Petro Welt Technologies AG						X
Petrobras Global Finance BV		X	X		X	
Petrobras International Finance Co.		X	X		X	
Petroceltic International Ltd. (Ireland)		X	X			
PetroChina Company Limited		X	X			
Petrofac Ltd.						X
Petrol dd Ljubljana				X		
Petroleo Brasileiro SA		X	X		X	
Petroleos de Venezuela SA		X	X			
Petroleos Del Peru - Petroperu SA			X			
Petroleos Mexicanos EPE		X	X			
Petrolia SE						X
Petrolia Nacional Bhd.		X	X			
Petrolina (Holdings) Public Ltd.				X		
Petrolimpic Ltd.	X					
Petron Corp.			X			
Petron Malaysia Refining & Marketing Bhd.			X			
PETRONAS Capital Ltd.		X	X			
PETRONAS Dagangan Berhad				X		
PETRONAS Gas Berhad			X	X	X	

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Petronas Global Sukuk Ltd.		X	X			
Petronet Lng Limited				X		
Petronor E&P ASA		X	X			
PetroQuest Energy, Inc.		X	X			
Petroreconcavo SA		X	X			
Petrosibir AB		X	X	X		
PetroTal Corp.		X	X			
Petroteq Energy Inc.						X
PetroVietnam Drilling & Well Services JSC						X
Petrovietnam Gas JSC				X		
Petrovietnam Power Corp.			X		X	
PetroVietnam Power Nhon Trach 2 JSC			X		X	
PetroVietnam Technical Services Corp.						X
Petrovietnam Transportation Corp.						X
Peyto Exploration & Development Corp.		X	X	X		
PG&E Corporation			X	X	X	
PG&E Wildfire Recovery Funding LLC			X	X	X	
PGE Polska Grupa Energetyczna SA			X	X	X	
PGE Sweden AB			X	X	X	
PGNiG Finance AB		X	X	X	X	
PGS ASA						X
Pharos Energy Plc		X	X			
PHBS Ltd.			X	X	X	
PHI Aviation LLC						X
Phillips 66			X	X		
Phillips 66 Partners LP				X		
Phoenix Global Resources Ltd.		X	X			
PHX Energy Services Corp.						X
PHX Minerals Inc.		X	X			
Pine Cliff Energy Ltd.		X	X			
Ping Petroleum UK Plc		X	X			
Pingdingshan Tianan Coal Mining Co., Ltd.		X	X			
Pinnacle West Capital Corporation			X		X	
Pioneer Energy Services Corp.						X
Pioneer Natural Resources Company		X	X	X		
PKM Canada Ltd.				X		
Plains All American Pipeline, L.P.				X		
Plains GP Holdings, L.P.				X		
Polenergia SA			X	X	X	
Polskie Gornictwo Naftowe i Gazownictwo SA		X	X	X	X	
Polytec Asset Holdings Limited		X	X			
Portland General Electric Company			X		X	
POSCO Future M Co., Ltd.			X			X
Power Assets Holdings Limited			X	X	X	
PPL Capital Funding, Inc.			X	X	X	
PPL Corporation			X	X	X	
Prairie Provident Resources, Inc.		X	X			
PrairieSky Royalty Ltd.		X	X			
Prax Upstream Ltd.		X	X			
Precision Drilling Corporation						X
Preem Holding AB			X			
Press Corporation Plc				X		
Prima Marine Public Company Limited						X
PrimeEnergy Resources Corporation		X	X			X
PRIIO SA		X	X			
Productive Technologies Company Limited		X	X			
Profire Energy, Inc.						X
ProFrac Holding Corp.						X
Promigas SA ESP			X	X	X	
ProPetro Holding Corp.						X
Prosafe SE						X
PSEG Power LLC			X	X	X	
PT ABM Investama Tbk		X	X			X
PT Adaro Energy Indonesia Tbk		X	X			X
PT Adaro Indonesia		X	X			
PT Adaro Minerals Indonesia		X	X			
PT AKR Corporindo Tbk				X		X
PT Alfa Energi Investama Tbk		X	X	X		
PT Astra International Tbk		X	X			X

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

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Ranger Oil Corporation		X	X			
Ranhill Utilities Bhd.			X		X	
RATCH Group Public Co., Ltd.			X		X	
Rattler Midstream LP				X		X
Reach Energy Berhad		X	X			
Reach Subsea ASA						X
Red Oak Power LLC			X		X	
Redes Energeticas Nacionais SGPS SA				X		
Redexis Gas Finance BV				X		
Redexis SAU				X		
Refineria La Pampilla SAA			X			X
Refrigeration Electrical Engineering Corp.			X		X	
Regency Energy Finance Corp.				X		
Regency Energy Partners LP				X		
Reliance Holding USA, Inc.		X	X			
Reliance Industries Ltd.			X			
Reliance Infrastructure Limited			X		X	
Reliance Power Limited			X		X	
REN Finance BV				X		
Repsol International Finance BV		X	X		X	
Repsol SA		X	X		X	
Rex Energy Corp.		X	X			
Rex International Holding Limited		X	X			
RGC Resources, Inc.				X		
Rhino Resource Partners LP		X	X			X
Ridgebury Crude Tankers LLC						X
Riley Exploration Permian, Inc.		X	X			
Ring Energy, Inc.		X	X			
Riviera Resources, Inc.		X	X	X		X
RM Partners LP				X		X
RN Holding OJSC			X			
Roadster Finance DAC				X		
Roan Resources, Inc.		X	X			
Rochester Gas & Electric Corp.				X		
Rockhopper Exploration Plc		X	X			
Rockies Express Pipeline LLC				X		
Rockpoint Gas Storage Canada Ltd.				X		
Rompetrol Rafinare SA			X			
Rosehill Resources Inc.		X	X			
Rosneft Finance SA		X	X			X
Rosneft International Finance Ltd.		X	X			X
ROSNEFT International Ltd.		X	X			X
Rosneft Oil Co.		X	X			X
Rowan Cos. LLC						X
Royal Vopak NV				X		
Royale Energy, Inc.		X	X			X
RPC, Inc.						X
RS Energy KK			X			
Rubis Energy Kenya Plc				X		
Rubis SCA			X	X		X
Rubis Terminal				X		
Ruby Pipeline LLC				X		
Ruwais Power Co. PJSC			X		X	
RWE AG			X	X	X	
S.D. Standard ETC Plc						X
S.N.T.G.N. Transgaz SA				X		
Sabal Trail Transmission LLC				X		
Sabine Oil & Gas Corp.			X			
Sabine Pass Liquefaction LLC				X		
Sabine Pass LNG LP LLC				X		
Sadovaya Group		X	X			
SAExploration Holdings, Inc.						X
Saibu Gas Holdings Co., Ltd.				X		
Saipem Finance International BV						X
Saipem SpA						X
Sakari Resources Ltd.		X	X			
Sala Corp.				X		
Salungano Group Ltd.		X	X	X		
Samchully Co., Ltd.			X	X	X	
Samruk-Energy JSC		X	X		X	
Samson Oil & Gas Limited		X	X			
Samyak International Ltd.				X		

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
San Diego Gas & Electric Co.			X	X	X	
San Leon Energy PLC		X	X			
San Miguel Corporation			X		X	
SAN-AI OBBLI Co., Ltd.				X		
SandRidge Energy, Inc.		X	X			
Sanjel Corp.						X
Santos Finance Ltd.		X	X	X		
Santos Limited		X	X	X		
Sapura Energy Berhad		X	X			X
Saras SPA			X	X	X	
Saratov Oil & Refinery PJSC			X			
Sasol Financing International Ltd.		X	X			
Sasol Financing USA LLC		X	X			
Sasol Ltd.		X	X			
Saturn Oil & Gas Inc.		X	X			
Saudi Arabian Oil Co.		X	X			
Saudi Aramco Base Oil Co.			X			
Saudi Automotive Services Co.				X		
Saudi Electricity Co.			X		X	
Saudi Electricity Global Sukuk Co. - 2			X		X	
Saudi Electricity Global Sukuk Co. - 3			X		X	
Savanna Energy Services Corp.						X
SBM Offshore NV						X
SCANA Corp.			X	X	X	
Scan-Inter Public Co. Ltd.				X		X
Schahin II Finance Co. (SPV) Ltd.		X	X		X	
Schlumberger Finance BV						X
Schlumberger Finance Canada Ltd.						X
Schlumberger Finance France SAS						X
Schlumberger Holdings Corp.						X
Schlumberger Investment SA						X
Schoeller-Bleckmann Oilfield Equipment AG						X
Scomi Group Bhd.						X
Scorpio Tankers Inc.						X
Scotland Gas Networks Plc				X		
Scottish Power Ltd.				X		
Scottish Power UK Plc				X		
SD International Sukuk Ltd.						X
SDIC Power Holdings Co., Ltd.			X		X	
Sea Trucks Group Ltd.						X
Sea1 Offshore, Inc.						X
SeaBird Exploration Plc						X
SEACOR Marine Holdings Inc.						X
Seacrest Petroleum Bermuda Ltd.		X	X			
Seadrill Limited						X
Seapeak LLC						X
SeaRiver Maritime Financial Holdings, Inc.		X	X			
Secure Energy Services Inc.				X		X
Seitel, Inc.						X
Select Water Solutions, Inc.						X
Sembcorp Industries Ltd.			X	X	X	
SemGroup, LLC				X		
Semirara Mining & Power Corp.		X	X		X	
Sempra			X	X	X	
Sempra Infrastructure Partners LP			X	X	X	X
Senex Energy Limited		X	X			
Seobu T&D Co., Ltd.				X		
SEOUL CITY GAS CO., LTD.				X		
Seplat Energy Plc		X	X			
Serba Dinamik Holdings Berhad						X
Serica Energy plc		X	X			
Sevan Drilling Ltd.						X
Seven Energy Finance Ltd.		X	X			
Seven Energy International Ltd.		X	X			
Seven Energy Ltd.		X	X			
SFL Corporation Ltd						X
SGC Energy Co., Ltd.			X		X	
SGSP (Australia) Assets Pty Ltd.				X		
Shamal Az-Zour Al-Oula Power & Water Co. KSCP			X		X	
Shamaran Petroleum Corp.		X	X			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Shan Xi Hua Yang Group New Energy Co. Ltd.		x	x			
Shandong Energy Australia Pty Ltd.	x					
Shandong Energy Group Co., Ltd.		x	x	x	x	
Shandong Xinchao Energy Corp. Ltd.		x	x			
Shanghai Datun Energy Resources Co., Ltd.		x	x		x	
Shanghai Dazhong Public Utilities (Group) Co., Ltd.				x		
Shanghai Electric Power Co., Ltd.			x		x	
Shanxi Coal International Energy Group Co., Ltd.		x	x	x		
Shanxi Coking Coal Energy Group Co., Ltd.		x	x		x	
Shanxi Guoxin Energy Corp. Ltd.			x	x	x	
Shanxi Lanhua Sci-Tech Venture Co., Ltd.		x	x			
Shanxi Lu'An Environmental Energy Development Co., Ltd.		x	x			
Shanxi Meijin Energy Co., Ltd.			x			
Shelf Drilling Holdings Ltd.						x
Shelf Drilling Ltd.						x
Shell Finance (Netherlands) BV		x	x			
Shell International Finance BV		x	x			
Shell Midstream Partners LP				x		
Shell Oman Marketing				x		
Shell Pakistan Ltd.				x		
Shell Pilipinas Corporation				x		
Shell Plc		x	x			
Shenergy Co., Ltd.			x	x	x	
Shenzhen Energy Group Co., Ltd.			x	x	x	
Shenzhen Gas Corp. Ltd.			x	x	x	x
Shenzhen Nanshan Power Co., Ltd.			x		x	
Sherritt International Corporation			x		x	x
Shikoku Electric Power Co., Inc.			x	x	x	
Shizuoka Gas Co., Ltd.			x	x	x	
Shougang Fushan Resources Group Limited		x	x			
Shaanxi Coal Industry Co., Ltd.		x	x	x		x
Shaanxi Energy Investment Co., Ltd.		x	x		x	
Siamgas and Petrochemicals Public Company Limited				x		
SIBUR Holding JSC			x			
SIBUR Securities DAC			x			
Sichuan Expressway Company Limited				x		
Sidewinder Drilling LLC						x
Sierra Pacific Power Co.			x	x	x	
Silver Elephant Mining Corp.	x					
SilverBow Resources, Inc.		x	x			
Simba Essel Energy, Inc.	x					
SINANEN Holdings Co., Ltd.				x		
Sino Gas & Energy Holdings Ltd.		x	x			
Sino Oil and Gas Holdings Limited		x	x			
Sinopec Capital Co., Ltd.		x	x			
Sinopec Group Overseas Development (2012) Ltd.		x	x			
Sinopec Group Overseas Development (2013) Ltd.		x	x			
Sinopec Group Overseas Development (2014) Ltd.		x	x			
Sinopec Group Overseas Development (2015) Ltd.		x	x			
Sinopec Group Overseas Development (2016) Ltd.		x	x			
Sinopec Group Overseas Development (2017) Ltd.		x	x			
Sinopec Group Overseas Development (2018) Ltd.		x	x			
Sinopec Kantons Holdings Limited						x
Sinopec Oilfield Service Corporation						x
Sinopec Shanghai Petrochemical Company Limited			x		x	
Sintana Energy Inc.	x					
Sitio Royalties Corp.		x	x			

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
SK Discovery Co. Ltd.				X		
SK E&S Co., Ltd.			X	X	X	
SK Gas Co., Ltd.				X		X
SK Innovation Co., Ltd.		X	X			
SK, Inc.			X	X	X	
Slavneft-Yaroslavnefteorgsintez PJSC			X			
SLB						X
Slovensky plynarensky Priemysel AS				X		
Slovnaft AS			X			
SM Energy Company		X	X			
Smart Sand, Inc.						X
SMC Global Power Holdings Corp.			X		X	
SNAM SpA				X		
Societatea Nationala de Gaze Naturale ROMGAZ SA		X	X	X	X	
S-Oil Corp.			X			
Sojitz Corp.		X	X	X		
Solaris Energy Infrastructure, Inc.						X
Solaris Midstream Holdings LLC						X
Solstad Offshore ASA						X
Songa Offshore SE						X
Sonoro Energy Ltd.	X					
Sound Energy Plc	X					
Source Energy Services LP						X
South Jersey Industries, Inc.				X		
South32 Ltd.		X	X	X		
South32 Treasury Ltd.		X	X	X		
Southern California Gas Co.				X		
Southern Company Gas				X		
Southern Company Gas Capital Corp.				X		
Southern Gas Corridor CJSC		X	X	X		
Southern Gas Networks Plc				X		
Southern Kuzbass Coal Co. PJSC						
Southern Natural Gas Co. LLC				X		
Southern Power Co.			X		X	
Southgobi Resources Ltd.		X	X			
Southwest Gas Corp.				X		
Southwest Gas Holdings, Inc.				X		X
Southwestern Electric Power Co.			X		X	
Southwestern Energy Company		X	X	X		
Southwestern Public Service Co.			X		X	
SP Corp. Ltd.				X		
Spartan Delta Corp.		X	X			X
Spectra Energy Partners LP				X		
SPIC 2016 US Dollar Bond Co. Ltd.		X	X		X	
SPIC 2018 USD Senior Perpetual Bond Co. Ltd.		X	X		X	
SPIC Industry-Finance Holdings Co., Ltd.			X		X	
SPIC Luxembourg Latin America Renewable Energy Investment Co.		X	X		X	
Spindletop Oil & Gas Co.		X	X			X
Spire Inc.				X		
SPP - distribucia as				X		
SPP Infrastructure Financing BV				X		
SPR Finance Corp.		X	X			
SPT Energy Group Inc.						X
St1 Nordic Oy			X			
Stanmore Resources Limited		X	X			
Star Energy Group Plc		X	X			
Star Group LP				X		
Star Petroleum Refining Public Company Limited			X			
State Oil Company of Azerbaijan Republic		X	X			
State Power Investment Corp., Ltd.		X	X		X	
STEAG GmbH			X	X	X	
Stedin Holding NV				X		
Stena Metall AB				X		
Stena Metall Finans AB				X		
STEP Energy Services Ltd.						X
Stoneway Capital Corp.			X		X	
Storm Resources Ltd.		X	X			
Strad Inc.						X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Strata Power Corp.		X	X			
Strathcona Resources Ltd.		X	X			
Strike Energy Limited	X					
Strong Petrochemical Holdings Limited				X		
Stronghold Digital Mining, Inc.			X		X	
Subsea 7 SA						X
Suburban Propane Partners, L.P.				X		
Sui Northern Gas Pipelines Ltd.				X		
Sumatec Resources Bhd.		X	X			
Sumiseki Holdings, Inc.				X		
Sumitomo Corp.		X	X	X	X	
Summit Midstream Corporation				X		
Summit Midstream Holdings LLC				X		
Summit Power Ltd.			X		X	
SunCoke Energy Partners Finance Corp.			X			X
SunCoke Energy Partners, L.P.			X			X
SunCoke Energy, Inc.			X			X
Suncor Energy Inc.		X	X			
Sundance Energy Inc.		X	X			
Sunoco Logistics Partners Operations LP				X		
Sunoco LP				X		
Sunpower Group Ltd.			X		X	
Sunshine Oilsands Ltd.		X	X			
Superior Energy Services, Inc.						X
Superior Plus Corp.				X		X
Superior Plus LP				X		X
Surge Energy Inc.		X	X			
Surgutneftegas PJSC		X	X			
SUSCO Public Company Limited				X		
Swan Energy Limited				X		X
T7 Global Berhad						X
Taiheiyo Kouhatsu Inc.				X		
Taiwan Cogeneration Corp.			X		X	X
Taki Chemical Co., Ltd.				X		
Talen Energy Corporation			X		X	
Talen Energy Supply LLC			X		X	
Talent Yield (Euro) Ltd.				X		
Talent Yield Investments Ltd.				X		
Tallgrass Energy Partners LP				X		
Tallgrass Energy, LP				X		
Talos Energy Inc.		X	X			
Talos Production, Inc.		X	X			
Tamarack Valley Energy Ltd.		X	X			
Tampa Electric Co.			X		X	
Tapstone Energy LLC		X	X	X		
Targa Pipeline Finance Corp.			X	X		
Targa Resources Corp.			X	X		
Targa Resources Partners Finance Corp.			X	X		
Targa Resources Partners LP			X	X		
Tatneft PJSC		X	X			
Tauron Polska Energia SA			X	X	X	
TBEA Co., Ltd.		X	X		X	X
TC Energy Corporation			X	X	X	
TC PipeLines, LP				X		
TCC Group Holdings CO., LTD.			X		X	
Technip Energies NV						X
TechnipFMC plc						X
Teck Resources Limited		X	X			
Tecnicas Reunidas SA						X
TECO Finance, Inc.			X	X	X	
Tecpetrol SA		X	X			
Teekay Corporation						X
Teekay Shuttle Tanker Finance LLC						X
Teekay Tankers Ltd.						X
Teine Energy Ltd.		X	X			
Tellurian Inc.		X	X			
Tenaga Nasional Berhad			X		X	
Tenaris SA						X
Tengizchevroil Finance Co. International Ltd.		X	X			
Tengizchevroil Finance Co. SARL		X	X			
Tennessee Gas Pipeline Co. LLC				X		
Tennessee Valley Authority			X		X	

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Terega SA				X		
Terega SAS				X		
Termocandelaria Power SA			X	X	X	
TerraCom Limited		X	X			
Territorial Generating Co. No 1 PJSC			X		X	
Tervita Corporation			X			X
Tesoro Logistics Finance Corp.			X	X		
Tethys Oil AB		X	X			
TETRA Technologies, Inc.						X
Texas Eastern Transmission LP				X		
Texas Pacific Land Corp.		X	X			X
TGI International Ltd.				X		
TGS ASA						X
Thai Oil Public Company Limited			X		X	
Thaioil Treasury Center Co., Ltd.			X		X	
The AES Corporation			X		X	
The Brooklyn Union Gas Co.				X		
The Chugoku Electric Power Co., Inc.			X	X	X	
The Drilling Company of 1972 A/S						X
The East Ohio Gas Co.				X		
The Great Eastern Shipping Company Limited						X
The Great Taipei Gas Corp.				X		
The Hong Kong and China Gas Company Limited			X	X		X
The Hub Power Co. Ltd.		X	X		X	
The Kansai Electric Power Co., Inc.			X	X	X	
The Kenan Advantage Group, Inc.						X
The Lanna Resources Public Co., Ltd.		X	X			
The LEADCORP, Inc.				X		
The National Gas Company of Trinidad & Tobago Ltd.				X		
The Oil & Gas Holding Co. BSC		X	X			
The Okinawa Electric Power Co., Inc.			X		X	
The Power & Water Utility Co. for Jubail & Yanbu			X	X	X	
The Second Generation Co of the Wholesale Power Market PJSC			X		X	
The Southern Company			X	X	X	X
The Tata Power Company Limited			X		X	
The Williams Companies, Inc.			X	X		
Third Coast Midstream LLC				X		
Thunderbird Resources Equity, Inc.		X	X			
Thungela Resources Ltd.		X	X			
Tian Lun Gas Holdings Limited				X		X
Tiandi Science & Technology Co., Ltd.		X	X			X
Tianjin Port Development Holdings Limited				X		X
Tidewater Inc.						X
Tidewater Renewables Ltd.						X
Tipco Asphalt Public Co. Ltd.				X		
Titan Petrochemicals Group Limited				X		X
TNB Global Ventures Capital Bhd.			X		X	
Toa Oil Co., Ltd.			X		X	
TOELL Co., Ltd.				X		
TOHO GAS Co., Ltd.			X	X	X	X
Tohoku Electric Power Co., Inc.			X	X	X	
TOKAI Holdings Corp.				X		
Tokyo Electric Power Co. Holdings, Inc.			X		X	
Tokyo Gas Co., Ltd.		X	X	X	X	X
Top Frontier Investment Holdings, Inc.			X		X	
Topaz Energy Corp.		X	X	X		
Topy Industries, Ltd.			X		X	
TORC Oil & Gas Ltd.		X	X			
TORM A/S						X
Torm Plc						X
Torrent Power Limited			X	X	X	
Toscana Energy Income Corporation		X	X			
Total Energy Services Inc.						X
TotalEnergies Capital Canada Ltd.		X	X		X	
TotalEnergies Capital International SA		X	X		X	
TotalEnergies Capital SA		X	X		X	
TotalEnergies Marketing Kenya Plc				X		

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
TotalEnergies Marketing Maroc SA				X		
TotalEnergies SE		X	X		X	
Touchstone Exploration Inc.		X	X			
Tourmaline Oil Corp.		X	X			
Towngas Finance Ltd.			X	X		X
Towngas Smart Energy Company Limited				X		
Toyo Kanetsu KK						X
TPI Polene Power Public Co., Ltd.			X	X	X	
TPI Polene Public Co. Ltd.			X		X	
Trafigura Funding SA				X		
Trafigura Group Pte Ltd.				X		
Trans Mountain Corp.				X		
TransAlta Corporation			X		X	
TransAlta Renewables Inc.			X		X	
TransCanada PipeLines Ltd.			X	X	X	
TransCanada Trust			X	X	X	
TransCapitalInvest DAC				X		
Transcontinental Gas Pipe Line Co. LLC				X		
Transfar Zhilian Co., Ltd.				X		
TransGlobe Energy Corporation		X	X			
TransMontaigne Partners LLC				X		
Transneft PJSC				X		
Transnet SOC Ltd.				X		X
Transocean Guardian Ltd.						X
Transocean Ltd.						X
Transocean Phoenix 2 Ltd.						X
Transocean Pontus Ltd.						X
Transocean Poseidon Ltd.						X
Transocean Sentry Ltd.						X
Transocean, Inc.						X
Transportadora de Gas del Norte SA				X		
Transportadora de Gas del Peru SA				X		
Transportadora de Gas del Sur SA			X	X		X
Transportadora de Gas Internacional SA ESP				X		
TravelCenters of America Inc.				X		
Trican Well Service Ltd.						X
Trinidad Generation Unlimited			X		X	
Trinidad Petroleum Holdings Ltd.		X	X			
TriSummit Utilities Inc.				X		
Tsakos Energy Navigation Limited						X
Tulip Oil Netherlands Offshore BV		X	X			
Tullow Oil Plc		X	X			
Turcas Petrol AS			X	X	X	
Turkiye Petrol Rafinerileri AS			X			
TXNM Energy, Inc.			X		X	
U.S. ENERGY CORP.		X	X			
U.S. Silica Holdings, Inc.						X
U.S. Well Services Holdings LLC						X
UBE Corp.			X	X	X	
UGI Corporation				X		
Ultrapar International SA				X		
Ultrapar Participacoes SA				X		
Unicorn Capital Partners Ltd.		X	X			X
UNIMOT SA				X		
Union Electric Co.			X	X	X	
Uniper SE			X	X	X	
Unipro PJSC			X		X	
Unit Corporation		X	X	X		X
United Energy Group Limited		X	X			
United Refining Co.			X			
United Strength Power Holdings Limited				X		
Unitil Corporation				X		
Up Energy Development Group Limited		X	X			
Urals Energy Public Co. Ltd.			X			
USA Compression Partners LP						X
Uzma Berhad						X
Valaris Limited						X
Valener Inc.				X		X
Valero Energy Corporation			X			
Valero Energy Partners LP				X		X
Valeura Energy Inc.	X					

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Vallourec SA						X
Vantage Drilling Co.						X
Vantage Drilling International Ltd.						X
Var Energi ASA		X	X			
Vattenfall AB			X	X	X	
Vector Limited				X		
Vectren Corp.			X	X	X	
Vedanta Limited		X	X		X	
Vedanta Resources Finance II Plc		X	X		X	
Vedanta Resources Jersey Ltd.		X	X		X	
Vedanta Resources Ltd.		X	X		X	
Velesto Energy Berhad						X
Venture Global LNG, Inc.			X			
Veolia Environnement SA			X		X	X
Veren, Inc.		X	X			
Vermilion Energy Inc.		X	X	X		
Vertex Energy, Inc.			X			X
Via Renewables, Inc.				X		
Vibra Energia SA				X		
Vier Gas Transport GmbH				X		
Viesgo Infraestructuras Energeticas SL			X		X	
Vietnam National Petroleum Corp.				X		X
Viking Supply Ships AS						X
Vimetco NV		X	X			
Vine Energy, Inc.		X	X			
Viper Energy, Inc.		X	X			
Virginia Electric & Power Co.			X		X	
Viridian Group FundCo II Ltd.			X	X	X	
Viridien						X
Vistra Corp.			X	X	X	
Vistra Operations Co. LLC			X	X	X	
Vital Energy, Inc.		X	X	X		
Vitesse Energy, Inc.		X	X			
Viva Energy Group Ltd.			X	X		
Vivo Energy Ltd.				X		
Volstad Subsea AS						X
VPower Group International Holdings Limited			X		X	X
VAALCO Energy, Inc.		X	X			
W&T Offshore, Inc.		X	X			
Wales & West Utilities Finance Plc				X		
Wales & West Utilities Ltd.				X		
Warren Resources, Inc.		X	X			
Warrior Met Coal, Inc.		X	X			
Wasco Berhad						X
Washington Gas Light Co.				X		
Washington H. Soul Pattinson and Company Limited		X	X			
Waypoint REIT Ltd.				X		
Weatherford International LLC						X
Weatherford International Ltd. (Bermuda)						X
Weatherford International plc						X
WEC Energy Group, Inc.			X	X	X	
Welltec A/S						X
Wentworth Resources Plc		X	X			
Western Energy Services Corp.						X
Western Midstream Operating LP			X	X		
Western Midstream Partners LP			X	X		
Western Refining Logistics LP				X		
Westmoreland Coal Co.		X	X			
Westmoreland Resource Partners LP		X	X			
WGL Holdings, Inc.				X		
WHA Utilities & Power Public Co. Ltd.			X		X	
White Energy Company Limited						X
White Star Petroleum LLC			X			
Whitecap Resources Inc.		X	X			
Whitehaven Coal Limited		X	X	X		
Williams Partners LP				X		
Wintershall Dea AG		X	X	X		X
Wintershall Dea Finance 2 BV		X	X	X		X
Wintershall Dea Finance BV		X	X	X		X
Wintershall Dea International GmbH		X	X	X		X

Fossil Fuel Company	Exploration	Extraction	Production	Distribution	Power	Services
Wintime Energy Group Co., Ltd.		X	X	X	X	
Wisconsin Electric Power Company			X	X	X	
Wisconsin Power & Light Co.			X	X	X	
Wisconsin Public Service Corp.			X	X	X	
Wison Engineering Services Co. Ltd.						X
Wollongong Coal Limited		X	X			
Woodside Energy Group Ltd.		X	X	X		
Woodside Finance Ltd.		X	X	X		
World Kinect Corporation				X		
WPX Energy, Inc.		X	X			
Wuchan Zhongda Group Co., Ltd.				X		X
XCD Energy Limited	X					
Xcel Energy Inc.			X	X	X	
Xiamen International Trade Group Corp. Ltd.				X		
Xiangcai Co., Ltd.				X		
Xinjiang Guanghui Industry Investment (Group) Co., Ltd.		X	X	X		
Yanchang Petroleum International Limited		X	X	X		
Yancoal Australia Ltd.		X	X			
Yancoal International Resources Development Co., Ltd.		X	X	X	X	
Yangarra Resources Ltd.		X	X			
Yankuang Energy Group Co., Ltd.		X	X	X	X	
Yankuang Group (Cayman) Ltd.		X	X	X	X	
Yantai Jereh Oilfield Services Group Co. Ltd.						X
Yesco Holdings Co., Ltd.				X		X
Yinson Holdings Berhad						X
Yorkshire Power Finance Ltd.		X	X			
YPF Energia Electrica SA			X		X	
YPF SA		X	X		X	
YTL Corporation Berhad			X		X	
YTL Power International Berhad			X		X	
Yuan Heng Gas Holdings Limited				X		
Yunnan Energy Investment Co., Ltd.				X		
Z Energy Ltd.				X		
ZAMET SA						X
Zapadoslovenska Energetika as				X		
Zargon Oil & Gas Ltd.		X	X			
Zephyr Energy Plc		X	X			
Zhaikmunai Finance BV		X	X			
Zhaikmunai International BV		X	X			
Zhejiang Jiahua Energy Chemical Industry Co., Ltd.			X		X	
Zhejiang Zheneng Electric Power Co., Ltd.			X	X	X	
Zhengzhou Coal Industry & Electric Power Co., Ltd.		X	X			
Zhongrong Xinda Group Co., Ltd.			X	X		
Zhongyu Energy Holdings Limited				X		
Zhuhai Holdings Investment Group Limited				X		
Zion Oil & Gas, Inc.	X					
Zorlu Enerji Elektrik Uretim AS				X		
AAG Energy Holdings Ltd.		X	X			
Total excluded companies	24	777	1326	872	527	514

Approved Exemptions for Fossil Fuel Exclusions

Current list of approved exemptions cases for the fossil fuel exclusion category:

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.

PAB Exclusions		
Company		
22nd Century Group, Inc.	Gazprom PJSC via Gaz Finance PLC	Precision Drilling Corporation
2I RETE GAS S.P.A.	Gazprombank	Premier Explosives Ltd.
A-1 Group, Inc.	Gaz-service PJSC	Press Corporation Plc
Abraj Energy Services SAOG	GAZ-Tek PJSC	Press Metal Aluminium Holdings Berhad
Abrau-Durso PJSC	GCL New Energy Holdings Limited	Press Metal Bhd.
Abu Dhabi National Energy Company PJSC	GCL Technology	Priargunsky Industrial Mining and Chemical Union OAO
ABU DHABI NATIONAL OIL COMPANY FOR DISTRIBUTION PJSC	GCM Resources plc	Priisk Dambuki OAO
AcBel Polytech, Inc.	GD POWER DEVELOPMENT CO., LTD.	Prima Marine PCL
Acron PJSC	Gemini Group Global Corp.	Primorie Bank PJSC
ACWA POWER Company SJSC	GenBank	PRIO S.A.
Adani Abbot Point Terminal Pty Ltd.	GENEL ENERGY PLC	PRODUCTIVE TECHNOLOGIES COMPANY LIMITED
Adani Enterprises	GENESIS ENERGY, L.P.	Progress Energy, Inc.
ADANI ENTERPRISES LIMITED	Genting Bhd	Proizvodstvennoye Ob Yedineniye Severnoye Mashinostroitel'noye Predpriyatiye AO
Adani Green Energy	Genting Plantations Berhad	Promigas S.A. E.S.P.
Adani Ports & Special Economic Zones	GEO ENERGY RESOURCES LIMITED	Promsvyazbank
ADANI PORTS AND SPECIAL ECONOMIC ZONE LIMITED	GEO Group	PT ABM Investama Tbk
ADANI POWER LIMITED	GeoPark Limited	PT AKR Corporindo Tbk
ADES Holding Company Listed Joint Stock Company	Geotech Seismic Services PJSC	PT Alamtri Resources Indonesia Tbk
ADNOC DRILLING COMPANY P.J.S.C.	GIBSON ENERGY INC.	PT Astra Agro Lestari Tbk
ADVANTAGE ENERGY LTD.	Gilla, Inc.	PT Astra International Tbk
AEGIS LOGISTICS LIMITED	Giprospeitsgaz OAO	PT Astra International Tbk
AENZA S.A.A.	Glencore	PT Bakrie & Brothers Tbk
Aeroflot PJSC	GLENCORE PLC	PT Barito Pacific Tbk
Aerospace Long-March International Trade Co., Ltd.	GLOBAL PARTNERS LP	PT Bentoel International Investama Tbk
AES Andes S.A.	GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED	PT Bumi Resources Tbk
AFGRI Ltd.	GMexico Transportes, S.A.B. de C.V.	PT Cikarang Listrindo Tbk
Africa Oil Corp.	Godfrey Phillips India Ltd.	PT Delta Dunia Makmur Tbk
AFRICAN RAINBOW MINERALS LIMITED	Golden Agri-Resources Ltd	PT Gudang Garam Tbk
Aganftegazgeologia OAO	GOLDEN ENERGY AND RESOURCES PTE. LTD.	PT Hanjaya Mandala Sampoerna Tbk
Agility Public Warehousing Company K.S.C.P.	Golden Tobacco Ltd.	PT Harum Energy Tbk
Agrofirma Mcenskaya OAO	Gotse Delchev Tabac AD	PT Indika Energy Tbk
Ahlatci Dogal Gaz Dagitim Enerji ve Yatirim AS	GRAN TIERRA ENERGY INC.	PT Indo Tambangraya Megah Tbk
AI CANDELARIA (SPAIN) SA	Grand Pharmaceutical Group Ltd.	PT Indofood Sukses Makmur Tbk
AKER BP ASA	GRANITE RIDGE RESOURCES, INC.	PT Indonesian Tobacco Tbk
AKSA ENERJI URETIM ANONIM SIRKETI	Great River Energy	PT Medco Energi Internasional Tbk
Al Batinah Power Company SAOG	Greenlane Holdings, Inc.	PT Pertamina (Persero)
Al Suwadi Power Company SAOG	GRINDROD LIMITED	PT Perusahaan Gas Negara Tbk
Alabama Power Company	Grupo Energia Bogota S.A. ESP	PT Perusahaan Listrik Negara (Persero)

PAB Exclusions		
Al-Eqbal Co. for Investment Plc	Grupo Mexico SAB de CV	PT Perusahaan Perkebunan London Sumatra Indonesia Tbk
Alfa-Bank	Gruppa kompaniy kommunalnoy sfery PAO	PT Salim Ivomas Pratama Tbk
ALLETE, INC.	GS Caltex Corporation	PT Sawit Sumbermas Sarana Tbk
ALLIANCE RESOURCE PARTNERS, L.P.	GS Holdings Corp.	PT Soechi Lines Tbk
ALLIANT ENERGY CORPORATION	Gtlk Europe Capital DAC	PT Timah Tbk
Almaz-Antei PAO	Guangdong DFP New Material Group Co., Ltd.	PT United Tractors Tbk
ALPHA METALLURGICAL RESOURCES, INC.	GUANGDONG HEC TECHNOLOGY HOLDING CO., LTD	PT Wismilak Inti Makmur Tbk
Alrosa PJSC	Guangdong Hongda Holdings Group Co.,Ltd.	PTT EXPLORATION AND PRODUCTION PUBLIC COMPANY LIMITED
ALROSA-Nyurba PJSC	Guangdong New Grand Long Packing Co., Ltd.	PTT GLOBAL CHEMICAL PUBLIC COMPANY LIMITED
Altadis Emisiones Financieras SA	Guanghui Energy Co., Ltd.	PUBLIC POWER CORPORATION S.A.
Altadis SA	GUJARAT GAS LIMITED	Pyxus International, Inc.
AltaGas Ltd.	GUJARAT MINERAL DEVELOPMENT CORPORATION LIMITED	Qatar Electricity and Water Company Q.P.S.C.
Altria Group, Inc.	GUJARAT STATE PETRONET LIMITED	Qatar Fuel Company QPSC
Aluminum Corporation of China Limited	GULF ENERGY DEVELOPMENT PUBLIC COMPANY LIMITED	QATAR GAS TRANSPORT COMPANY LIMITED (NAKILAT) (QPSC)
American Heritage International, Inc.	Gulf International Services Q.P.S.C.	QatarEnergy
AMPLITUDE ENERGY LIMITED	GULF KEYSTONE PETROLEUM LIMITED	Quadra Power Generation PJSC
AMPOL LIMITED	GULFPORT ENERGY CORPORATION	R.J. Reynolds Tobacco Holdings, Inc.
AMVIG Holdings Ltd.	HAFNIA LIMITED	Raizen Energia S.A.
AN HUI WENERGY COMPANY LIMITED	Halcyon Agri Corp Ltd	RAMACO RESOURCES, INC.
ANGLO AMERICAN PLC	Hallador Energy Company	RANGE RESOURCES CORPORATION
Anhui GreatWall Military Industry Co., Ltd.	HALLIBURTON COMPANY	Raspadskaya OAO
Anhui Military Industry Group Holding Co. Ltd.	HALS-Development PJSC	RATCH GROUP PUBLIC COMPANY LIMITED
ANTERO MIDSTREAM CORPORATION	Hanwa Co., Ltd.	RATTANINDIA POWER LIMITED
ANTERO MIDSTREAM PARTNERS LP	Hanwha TotalEnergies Petrochemical Co., Ltd.	Red Rock Resorts, Inc.
ANTERO RESOURCES CORPORATION	Haoxiangni Health Food Co., Ltd.	RELIANCE INFRASTRUCTURE LIMITED
APA CORPORATION	HARBOUR ENERGY PLC	RELIANCE POWER LIMITED
APA Group	Harmony Gold Mining Co Ltd	Renaissance Insurance Group JSC
APACHE CORPORATION	Harrys Manufacturing Inc.	Repsol S.A.
Aphria	HAWAIIAN ELECTRIC INDUSTRIES, INC.	Reshef Technologies Ltd.
Appalachian Power Company	HD HYUNDAI CO.,LTD.	Reynolds American, Inc.
Arab Organization for Industrialization	Headwater Exploration Inc.	RILEY EXPLORATION PERMIAN, INC.
ARC RESOURCES LTD	HELLENiQ ENERGY Holdings Societe Anonyme	RING ENERGY INC.
ARCH RESOURCES, INC.	HELMERICH & PAYNE, INC.	Rio Zim Ltd.
Archer-Daniels Midland Co.	HENGLI PETROCHEMICAL CO., LTD.	RLX Technology, Inc.
Arcis Resources Corp.	Hengyi Petrochemical Co., Ltd.	Rosgosstrakh PJSC
ARKO CORP.	HERA S.P.A.	Rosneft Oil Co PJSC
Arktikneftegazstroy OAO	Heritage Petroleum Company Limited	Rosseti Centre PJSC
Aryt Industries Ltd.	HESS CORPORATION	Rosseti Kuban PJSC
Asberry 22 Holdings, Inc.	HESS MIDSTREAM LP	Rosseti Lenenergo PJSC
ASCENT RESOURCES UTICA HOLDINGS, LLC	HF SINCLAIR CORPORATION	Rosseti Moscow Region PJSC
ASCOPIAVE S.P.A.	HIBISCUS PETROLEUM BERHAD	Rosseti North Caucasus PJSC
Aselsan Elektronik Sanayi ve Ticaret AS	HIGHPEAK ENERGY, INC.	ROSSETI PJSC
Asenovgrad Tabac AD	HIKVision	Rosseti Siberia PJSC
ASHDOD REFINERY LTD	HINDUSTAN PETROLEUM CORPORATION LIMITED	Rosseti South PJSC

PAB Exclusions		
Ashoka Manufacturing Ltd	HK ELECTRIC INVESTMENTS LIMITED	Rosseti Volga PJSC
ATHABASCA OIL CORPORATION	Hoang Long Group	Rostec
ATLAS ENERGY SOLUTIONS INC.	Hokkaido Electric Power Co., Inc.	Rostec Corp.
ATMOS ENERGY CORPORATION	Hokuriku Electric Power Company	Rostec State Corp
Atomic Energy Power Corp.	HOLLY ENERGY PARTNERS, L.P.	Rostelecom PJSC
Atomic Energy Power Corp.	Honeys Holding	Rostovoblgaz PJSC
Attock Refinery Ltd	Hoshine Silicon Industry Co., Ltd.	RUBIS SCA
AURIZON HOLDINGS LIMITED	HOSKEN CONSOLIDATED INVESTMENTS LIMITED	RusHydro PJSC
AVANCE GAS HOLDING LTD	Hotel Kosmos OAO	Rusolovo PJSC
Avangard Bank PJSC	HPCL-MITTAL ENERGY LIMITED	Ruspolimet OJSC
Avary Holding (Shenzhen) Co., Ltd.	Hrvatski Duhani dd	Russia Federation
Avibras Industria Aeroespacial SA	Huabao International Holdings Limited	Russian Agricultural Bank
AviChina Industry & Technology	Huadian Power International Corporation Limited	Russian Agricultural Bank OJSC Via RSHB Capital SA
AYGAZ ANONIM SIRKETI	Huaibei Mining Holdings Co.,Ltd.	Russian Aquaculture PJSC
Aziyo Biologics, Inc.	Huaihe Energy (Group) Co., Ltd.	Russian Direct Investment Fund
B.A.T Capital Corp.	HUANENG POWER INTERNATIONAL, INC.	Russian Railways JSC
B.A.T. Finance BV	Human Stem Cells Institute PJSC	RussNeft PJSC
B.A.T. International Finance Plc	ICAHN ENTERPRISES L.P.	Ryazan Energy Retail Co PJSC
B.A.T. Netherlands Finance BV	Icon Vapor, Inc.	SA GESTION SECURITE DE STOCKS SECURITE
B.GRIMM POWER PUBLIC COMPANY LIMITED	Idemitsu Kosan Co.,Ltd.	SABAL TRAIL TRANSMISSION, LLC
BADECO ADRIA dd	IDGC of Centre and Volga Region PJSC	SABINE PASS LIQUEFACTION, LLC
Bajaj Hindustan Sugar Ltd.	IDGC of the North-West PJSC	SABLE OFFSHORE CORP.
BAKER HUGHES COMPANY	IDGC of Urals JSC	SAIBU GAS HOLDINGS CO.,LTD.
BAKER HUGHES HOLDINGS LLC	IINO KAIUN KAISHA, LTD.	SAIC Motor Corp. Ltd
Bamtonnelstroy	IMA T&T SpA	Samaraenergo PJSC
Bangchak Corporation Public Company Limited	Imperial Brands Finance Netherlands BV	Samarco Mineracao SA
BANGCHAK SRIRACHA PUBLIC COMPANY LIMITED	Imperial Brands Finance Plc	SAMCHULLY CO.,LTD
BANGKOK AVIATION FUEL SERVICES PCL.	Imperial Brands PLC	Samolet Group
Bank Otkritie Financial Corp OJSC Via OFCB Capital PLC	Imperial Oil Ltd	SAN MIGUEL CORPORATION
Bank Otkritie Financial Corp PJSC/Tochka	IMPERIAL OIL LTD	SAN-AI OBBLI CO., LTD.
Bank Rossiya OAO	INDIAN OIL CORPORATION LIMITED	Sandhar Technologies Limited
Bank St Petersburg PJSC	Indofood Agri Resources Ltd.	SANDRIDGE ENERGY, INC.
Bank ZENIT PJSC	Indraprastha Gas Ltd	Santos
Banpu Power Public Company Limited	Infraestructura Energetica Nova, S.A.B. de C.V.	SANTOS LIMITED
BANPU PUBLIC COMPANY LIMITED	Ingosstrakh Insurance Co	Saratovskiy Neftepererabatyvayuschiy Zavod PJSC
BAPCO ENERGIES B.S.C CLOSED	INGRAD OOO	SARDA ENERGY & MINERALS LIMITED
Barrick (PD) Australia Finance Pty Ltd.	Inner Mongolia Baotou Steel Union Co	Sasol Financing International Plc
Barrick Gold	Inner Mongolia Baotou Steel Union Co., Ltd	Sasol Financing USA LLC
Barrick Gold Finance Co.	INNER MONGOLIA DIAN TOU ENERGY CORPORATION LIMITED	SASOL LIMITED
Barrick North America Finance LLC	INNER MONGOLIA YITAI COAL CO., LTD	Sasol Ltd
Barrick TZ Ltd.	INPEX CORPORATION	Saudi Arabian Oil Company
Bashneft PJSC	INTER PIPELINE LTD	Saudi Aramco Base Oil Company - Luberef SJSC
BASIN ELECTRIC POWER COOPERATIVE	Inter RAO UES PJSC	Saudi Electricity Company SJSC
BAT Brasil	INTERNATIONAL PETROLEUM CORPORATION	Sberbank of Russia PJSC

PAB Exclusions		
BAYTEX ENERGY CORP.	INTERNATIONAL SEAWAYS, INC.	Sberbank of Russia Via SB Capital SA
BayWa Aktiengesellschaft	INVEST-DEVELOPMENT PJSC	Scandinavian Tobacco Group A/S
BCPG Public Company Limited	IOI Corporation Berhad	Schlumberger N.V.
BEACH ENERGY LIMITED	IOI Investment Labuan Bhd.	SCOTLAND GAS NETWORKS PLC
BEIJING ENTERPRISES HOLDINGS LIMITED	IPALCO ENTERPRISES INC	Seadrill Limited
Beijing Jingneng Clean Energy Co., Limited	Irkutskenergo PJSC	Segezha Group PJSC
Beijing Tong Ren Tang Chinese Medicine Co., Ltd.	IRPC Public Company Limited	Seligdar PJSC
Beijing Tongrentang Co., Ltd.	Ispire Technology, Inc.	SEMBCORP INDUSTRIES LTD
Belon OJSC	ITALGAS S.P.A.	Sembcorp Salalah Power and Water Company SAOG
Belspetsvneshtekhnika	ITC Limited	Semirara Mining and Power Corporation
Beluga Group PJSC	ITOCHU ENEX CO., LTD.	SEMPRA
BERRY CORPORATION (BRY)	Izhorskiye Zavody PJSC	SENKO Group Holdings Co.,Ltd.
Bharat Dynamics Limited	JADESTONE ENERGY PLC	SEPLAT ENERGY PLC
Bharat Electronics Limited	JAIPRAKASH POWER VENTURES LIMITED	SERICA ENERGY PLC
Bharat Heavy Electricals Ltd	JANUB GAZ DAHLIZI GAPALI SAHMDAR JAMIYYATI	Severalmaz PAO
BHARAT PETROLEUM CORPORATION LIMITED	Japan Petroleum Exploration Co., Ltd.	Severstal PAO
BHP GROUP LIMITED	Japan Tobacco, Inc.	SFI PJSC
BIGLARI HOLDINGS INC.	JARDINE MATHESON HOLDINGS LIMITED	SHAN XI HUA YANG GROUP NEW ENERGY CO., LTD.
BIRCHCLIFF ENERGY LTD.	Jastrzebska Spolka Weglowa SA	SHANDONG ENERGY GROUP CO., LTD
BKV CORPORATION	JASTRZEBSKA SPOLKA WEGLOWA SPOLKA AKCYJNA	Shandong Finance Investment Group Co., Ltd.
BLACK HILLS CORPORATION	JBj Technologies Ltd.	SHANGHAI ELECTRIC POWER CO., LTD.
Black Sea Trade & Development Bank	JBS Finance II Ltd.	Shanghai Industrial Holdings Limited
BLUENORD ASA	JBS SA	Shanghai Shunho New Materials Technology Co., Ltd.
BOLLORE SE	JBS USA Finance, Inc.	Shanxi Coal International Energy Group Co., Ltd.
Borr Drilling Limited	JBS USA LLC	Shanxi Coking Coal Energy Group Co., Ltd.
BOSTON GAS COMPANY	JERA Co., Inc.	Shanxi Lu'an Environmental Energy Dev. Co., Ltd
BP P.L.C.	Jerusalem Cigarette Co. Ltd.	Shein
Brava Energia S.A.	JG Summit Holdings, Inc.	SHELF DRILLING HOLDINGS, LTD.
BRF SA	Jiangsu Guotai International Group Co., Ltd.	SHELL PLC
BRICKWORKS LTD	Jiangxi Copper Co Ltd	Shenergy Company Limited
BRISTOW GROUP INC.	Jinko Solar Co	Shenzhen Energy Group Co., Ltd.
British American Tobacco Argentina SAICy F	Jizhong Energy Resources Co., Ltd.	Shenzhen Jinjia Group Co., Ltd.
British American Tobacco Australlasia Ltd.	JMV LPS Ltd.	Shenzhen Yinghe Technology Co., Ltd.
British American Tobacco Bangladesh Company Limited	Joint Stock Company National Company KazMunayGas	SHIPPING CORPORATION OF INDIA LIMITED
British American Tobacco Chile Operaciones SA	Jointown Pharmaceutical Group Co., Ltd.	SHIZUOKA GAS CO.,LTD.
British American Tobacco Co. Ltd.	JSC GEORGIAN RAILWAY	SHOUGANG FUSHAN RESOURCES GROUP LIMITED
British American Tobacco Holdings (The Netherlands) BV	JSC Kalashnikov	Shumen Tabac AD
British American Tobacco Italia SpA	JSW ENERGY LIMITED	Shaanxi Coal and Chemical Industry Group Co., Ltd.
British American Tobacco Kenya Plc	JT International Financial Services BV	Shaanxi Coal Industry Company Limited
British American Tobacco Malaysia Bhd.	K&O Energy Group Inc.	Shaanxi Jinye Science Technology & Education Group Co., Ltd.
British American Tobacco Peru Holdings Ltd.	Kalugaputmarsh	Shaanxi Yanchang Petroleum (Group) Co., Ltd
British American Tobacco plc	Kaluzsky Plant of Automobile Electrical Equipment OAO	SIAM CITY CEMENT PUBLIC COMPANY LIMITED
British American Tobacco Uganda Ltd.	Kamaz PJSC	Sila Holding AD

PAB Exclusions		
British American Tobacco Zambia PLC	Kamchatskenergo PJSC	SINANEN HOLDINGS CO., LTD.
British American Tobacco Zimbabwe Ltd.	KAMEI CORPORATION	SINCERE NAVIGATION CORPORATION
BROOKFIELD INFRASTRUCTURE CORPORATION	Karelia Tobacco Co., Inc.	Sinnar Bidi Udyog Ltd.
Bukit Asam Tbk PT	KAROON ENERGY LTD	Sinopec Kantons Holdings Limited
Bulgarian Energy Holding EAD	Kawasaki Kisen Kaisha, Ltd.	Sinotruk Hong Kong Ltd.
Bulgartabac Holding AD	KELT EXPLORATION LTD.	Sistema PJSC
Bunge Alimentos SA	KENON HOLDINGS LTD.	SITAB
Bunge Brasil SA	KENTUCKY UTILITIES COMPANY	SITIO ROYALTIES CORP.
Bunge Finance Europe BV	KEYERA CORP.	SJVN Lmt.
Bunge Ltd	Khanty-Mansiyskdorstroy OAO	SK Discovery Co.,Ltd.
Bunge Ltd. Finance Corp.	Khyber Tobacco Co. Ltd.	SK GAS LTD
Bunge NA Finance LP	KIBO Energy PLC	SK Holdings Co
BURLINGTON NORTHERN SANTA FE, LLC	KIMBELL ROYALTY PARTNERS, LP	SK Inc.
BW ENERGY LIMITED	Kimree, Inc.	SK Innovation Co Ltd
BW LPG Limited	KINDER MORGAN, INC.	SK Innovation Co., Ltd.
BW OFFSHORE LIMITED	Kinetic Development Group Limited	Slantse Stara Zagora Tabac AD
CALIFORNIA RESOURCES CORPORATION	Kinetic Development Group Ltd	Slavneft-Megionneftegaz PPO OAO
CALLON PETROLEUM COMPANY	KINETIK HOLDINGS INC.	Slavneft-Megionneftegazgeologia OAO
CALPINE CORPORATION	KIRBY CORPORATION	Slavneft-Yaroslavnefteorgsintez OJSC
CALUMET, INC.	KISTOS HOLDINGS PLC	SLC Agricola SA
Can2 Termik AS	KOC HOLDING ANONIM SIRKETI	SM ENERGY COMPANY
CANACOL ENERGY LTD	Komi Energosbytovaya Co OAO	Smoore International Holdings Limited
CANADIAN NATIONAL RAILWAY CO	Komitex JSC	SNAM S.P.A.
CANADIAN NATURAL RESOURCES LIMITED	Koninklijke Vopak N.V.	SNT DYNAMICS Co., Ltd.
CANADIAN PACIFIC KANSAS CITY LTD	Korea East-West Power Co., Ltd.	SNT Holdings Co., Ltd.
CANADIAN PACIFIC RAILWAY CO	KOREA LINE CORPORATION	Societe Nationale d'exploitation Industrielle des Tabacs
Canggang Railway Ltd	Korea Midland Power Co., Ltd	S-Oil Corporation
Capex S.A.	Korea National Oil Corporation	Sojitz Corporation
CAPITAL POWER CORPORATION	Korea South-East Power Co., Ltd	Sokolskiy Pulp & Paper
CAPRICORN ENERGY PLC	Korea Southern Power Co., Ltd.	Solar Defence & Aerospace Ltd.
CARDINAL ENERGY LTD.	Korea Western Power Co., Ltd	Solar Industries India Limited
Cargill	KoreaGasCorporation	Solikamsk Magnesium Plant OJSC
CARNARVON ENERGY LIMITED	Korporatsiya Takticheskoe Raketnoe Vooruzhenie OAO	Sollers PJSC
Carreras Ltd.	Korporatsiya Takticheskoe Raketnoe Vooruzhenie OAO	South Bow Corporation
Cat Loi JSC	Korshynov Mining Plant PJSC	SOUTH JERSEY INDUSTRIES, INC.
Cenovus Energy Inc.	KOSMOS ENERGY LTD.	South32
Center for Cargo Container Traffic TransContainer PJSC	KOT Addu Power Company Ltd	SOUTH32 LIMITED
Centerenergyholding JSC	Kovrovskiy Mekhanicheskiy Zavod OAO	Southern Copper
Centrais Eletricas Brasileiras SA (Eletrobras)	Krasfarma OAO	SOUTHERN GAS NETWORKS PLC
Central Bank of the Russian Federation/The	Krasnoyarskenergosbyt PJSC	South-Kuzbass GRES OAO
Central Telegraph PJSC	Krasnoyarsknefteproduct	SOUTHWESTERN ELECTRIC POWER COMPANY
CESC LTD	Krasnyj Octyabr PJSC	SOUTHWESTERN ENERGY COMPANY
Cetelem Bank	Kriogenmash PAO	Sovcombank PJSC
Ceylon Tobacco Company Plc	KSB Limited	Sovcomflot PJSC
CEZ, a.s.	KSB SE & Co. KGaA	Sovereign Wealth Fund Samruk-Kazyna Joint Stock Company

PAB Exclusions		
CGN New Energy Holdings Co., Ltd.	KT&G Corp.	SPARTAN DELTA CORP.
Changhong Meiling Co., Ltd.	KTK Group Co., Ltd.	SPB Exchange PJSC
CHANNEL INFRASTRUCTURE NZ LIMITED	Kuban Trunk Grid	Special Machine Building & Metallurgy PJSC
Charlie's Holdings, Inc.	KuibyshevAzot PJSC	Spire Inc.
Chelyabinsk Forge & Press Plant PJSC	KUNLUN ENERGY COMPANY LIMITED	SPP - distribucia, a.s.
Chelyabinsk Metallurgical Plant PJSC	Kurganskaya Generiruyushchaya Kompaniya PAO	Sredneuralskij Medeplavilnyj Zavod OAO
Chelyabinsk Pipe Plant PJSC	Kuzbasskaya Toplivnaya Co JSC	STANMORE RESOURCES LIMITED
CHENIERE ENERGY PARTNERS, L.P.	Lalpir Power Ltd	STAR GROUP, L.P.
CHENIERE ENERGY, INC.	LandBridge Co LLC	Star Petroleum Refining Public Company Limited
CHENNAI PETROLEUM CORPORATION LIMITED	Larsen & Toubro Limited	STATE POWER INVESTMENT CORPORATION LIMITED
Cherkizovo Group PJSC	Leidos, Inc.	State-Owned Foreign Trade Unitary Enterprise Belspetsvneshtech
CHESAPEAKE UTILITIES CORPORATION	Lengazspecstroy OAO	STOLT-NIELSEN LIMITED
CHEVRON CORPORATION	Lens Technology Co Ltd	Strike Energy Ltd
China Aerospace Science & Industry Corp. Ltd.	Lenzoloto PJSC	Strumica Tabak AD
China Aerospace Science & Technology Corp.	Li Ning Company Limited	SUI NORTHERN GAS PIPELINES LIMITED
CHINA AVIATION OIL (SINGAPORE) CORPORATION LTD	LIG Corp.	SUI SOUTHERN GAS COMPANY LIMITED
China Boton Group Company Limited	LIG Nex1 Co., Ltd.	Sumiseki Holdings, Inc.
China Coal Energy Co Ltd	Litu Holdings Limited	SUMITOMO CORPORATION
China Coal Energy Company Limited	Lockheed Martin Corporation	SUMMIT MIDSTREAM CORPORATION
CHINA GAS HOLDINGS LIMITED	Lorillard LLC	SUNCOKE ENERGY, INC.
CHINA HIGH SPEED TRANSMISSION EQUIPMENT GROUP CO., LTD.	LOUISVILLE GAS AND ELECTRIC COMPANY	Suncor Energy Inc.
China Merchants Energy Shipping Co., Ltd.	LSR Group PJSC	SUNOCO LP
China National Nuclear Corp.	LT Group, Inc.	Superior Plus Corp.
China National Nuclear Corp.	LUKOIL PJSC	SURGE ENERGY INC
China National Petroleum Corporation	Luthai Textile Co Ltd	Surgutneftegas PJSC
China National Petroleum Corporation (CNPC)	Luxshare Precision Industry Co Ltd	SWAN ENERGY LIMITED
China North Industries Corp.	LX Holdings Corp.	Swedish Match Ab
China North Industries Group Corp. Ltd.	LX INTERNATIONAL CORP.	Synthetic Moulders Ltd.
China Nuclear Engineering & Construction Corp. Ltd.	LyondellBasell Industries N.V.	Sysymanzoloto OAO
CHINA OIL AND GAS GROUP LIMITED	M.Video PJSC	Ta Ann Holdings Bhd
China Oilfield Services Limited	Magadanenergo PJSC	Taganrog Boiler-Making Works Krasny kotelshchik PJSC
China Petrochemical Corporation	Magnit PJSC	TALEN ENERGY CORP
China Petroleum & Chemical Corporation	Magnitogorsk Iron & Steel Works PJSC	TALOS ENERGY INC.
China Poly Group Corp. Ltd.	MAGNOLIA OIL & GAS CORPORATION	TAMARACK VALLEY ENERGY LTD.
China Power International Development Limited	MAHANAGAR GAS LIMITED	TAMPA ELECTRIC COMPANY
CHINA RESOURCES GAS GROUP LIMITED	MALAKOFF CORPORATION BERHAD	Tanzania Cigarette Co. Ltd.
China Resources Power Holdings Company Limited	MARATHON OIL CORPORATION	TAQA MOROCCO SA
China Shenhua Energy Company Limited	Marathon Petroleum Corp	TARGA RESOURCES CORP.
China Shipbuilding Industry Co., Ltd.	MARATHON PETROLEUM CORPORATION	Tatneft PJSC
China Shipbuilding Industry Co., Ltd.	Mari Energies Ltd	Tattelecom PJSC
China Southern Power Grid Co., Ltd	MARTIN MIDSTREAM PARTNERS L.P.	TBEA
China Suntien Green Energy Corporation Limited	Marubeni Corporation	TBEA CO., LTD.
China Tobacco International (HK) Company Limited	MATADOR RESOURCES COMPANY	TC Energy Corporation

PAB Exclusions		
China Traditional Chinese Medicine Holdings Co. Ltd.	Mechel PJSC	TCS Group Holding PLC
CHNENERGY Investment Group Co., LTD	MEG Energy Corp.	Tecpetrol S.A.
CHORD ENERGY CORPORATION	MegaFon PJSC	TEEKAY CORPORATION LTD.
Chrezvichainaia strahovaia co CHSK OAO	Metafrax OAO	TENAGA NASIONAL BERHAD
Chubu Electric Power Company, Incorporated	Metallurgical Corporation of China	TENNESSEE GAS PIPELINE COMPANY, L.L.C.
Cinergyco PK Limited	Mikron JSC	TEREGA SA
CITIC RESOURCES HOLDINGS LIMITED	Minerva SA	TEREGA SAS
CIVITAS RESOURCES, INC.	MISC BERHAD	TERRACOM LIMITED
CK Power Public Company Limited	mitsubishi materials corporation	TEXAS EASTERN TRANSMISSION, LP
CLECO CORPORATE HOLDINGS LLC	Mitsui O.S.K. Lines, Ltd.	Texas Pacific Land Corp
CLECO POWER LLC	Mitsuuroko Group Holdings Co.,Ltd.	Texhong Textile Group Limited
CNOOC Canada, Inc.	MMC Norilsk Nickel PJSC	TGC-1 PJSC
CNOOC Curtis Funding No. 1 Pty Ltd.	Mobile TeleSystems PJSC	TGC-2 PJSC
CNOOC Finance [2003] Ltd.	MOL Magyar Olaj- es Gazipari Nyilvanosan Mukodo Reszvenytarsasag	TGK-14 PJSC
CNOOC Finance [2011] Ltd.	MONGOLIAN MINING CORPORATION	Thai Oil Public Company Limited
CNOOC Finance [2012] Ltd.	MONONGAHELA POWER COMPANY	The Day & Zimmermann Group, Inc.
CNOOC Finance [2013] Ltd.	Moscow City Telephone Network PJSC	THE GREAT EASTERN SHIPPING COMPANY LIMITED
CNOOC Finance [2014] ULC	Moscow Exchange MICEX-RTS PJSC	THE HONG KONG AND CHINA GAS COMPANY LIMITED
Cnooc Finance [2015] Australia Pty Ltd.	Mosenergo PJSC	THE HUB POWER COMPANY LIMITED
CNOOC Finance [2015] U.S.A. LLC	Mostotrest PJSC	THE ISRAEL ELECTRIC CORP. LTD.
CNOOC LIMITED	MOTOR OIL (HELLAS) CORINTH REFINERIES S.A.	The Okinawa Electric Power Company, Incorporated
CNOOC Ltd	MPLX LP	THE SOUTHERN COMPANY
CNX MIDSTREAM PARTNERS LP	MSU Energy S.A.	THE TATA POWER COMPANY LIMITED
CNX RESOURCES CORPORATION	MTAR Technologies Ltd.	THE WILLIAMS COMPANIES, INC.
COAL INDIA LTD	Muhibbah Engineering (M) Bhd.	Thungela Resources Ltd
Coka Duvanska Industrija AD	MURPHY OIL CORPORATION	Tian Lun Gas Holdings Limited
COLORADO INTERSTATE GAS COMPANY, L.L.C.	N.V. Nederlandse Gasunie	TIANDI SCIENCE & TECHNOLOGY CO.LTD
Commercial Sea Port of Vladivostok PJSC	NABORS INDUSTRIES LTD.	TIANJIN PORT DEVELOPMENT HOLDINGS LIMITED
Companhia Energetica De Minas Gerais (CEMIG)	Namhae Chemical Corp	Tingo Group
Compania General de Combustibles S.A.	Nanjing Tanker Corporation	TIPCO Asphalt Public Company Limited
COMSTOCK RESOURCES, INC.	NAPHTHA ISRAEL PETROLEUM CORP. LTD.	TNS energo Nizhny Novgorod PJSC
Conoco Funding Co.	NATIONAL FUEL GAS COMPANY	TNS energo Rostov-on-Don PJSC
ConocoPhillips	National Gas and Industrialization Company SJSC	TNS Energo Voronezh PJSC
CONOCOPHILLIPS	NATIONAL REFINERY LIMITED	TNS energo Yaroslavl PJSC
ConocoPhillips Australia Funding Co.	NATURAL RESOURCE PARTNERS L.P.	TNS Energos PJSC
ConocoPhillips Canada Funding Co. I	Naturgy Energy Group, S.A.	TOHO GAS CO., LTD.
ConocoPhillips Canada Funding Co. II	Nauchno-Proizvodstvennoe Obedinenie S plav OAO	Tohoku Electric Power Company, Incorporated
ConocoPhillips Co.	NAVA LIMITED	TOKAI Holdings Corporation
Consolidated Cigar Holdings, Inc.	NC Rosneft- Kubanefteproduct PJSC	Tokyo Electric Power Company Holdings, Incorporated
CONTINENTAL RESOURCES, INC.	NCC LIMITED	TOKYO GAS CO.,LTD.
Cool Company Ltd.	Neste Oyj	Tong Ren Tang Technologies Co., Ltd.
CORE LABORATORIES INC.	NEVADA POWER COMPANY	Tongling Nonferrous Metals Group
CORE NATURAL RESOURCES, INC.	NEW FORTRESS ENERGY INC.	TOPAZ ENERGY CORP
CoreCivic Corp	NEW HOPE CORPORATION LIMITED	TORM PLC

PAB Exclusions		
CORONADO GLOBAL RESOURCES INC.	NEW JERSEY RESOURCES CORPORATION	TotalEnergies SE
CORPORACION DE RESERVAS ESTRATEGICAS DE PRODUCTOS PETROLIFEROS	Newfoundland and Labrador Hydro	TOURMALINE OIL CORP.
Corporacion Financiera Colombiana S.A.	NEXTDECADE CORPORATION	Towngas Smart Energy Company Limited
COSCO Shipping Energy Transportation Co., Ltd.	Ngan Son JSC	Toyo Ventures Holdings Bhd.
COSMO ENERGY HOLDINGS COMPANY, LIMITED	NGL ENERGY PARTNERS LP	TPI Polene Power Public Company Limited
Coterra Energy Inc.	Nikotiana BT Holding AD	TransAlta Corporation
Credit Bank of Moscow PJSC	Ningxia Baofeng Energy Group Co., Ltd.	TRANSCANADA PIPELINES LIMITED
CRESCENT ENERGY COMPANY	Nippon Yusen Kabushiki Kaisha	Transcoal Pacific Tbk PT
CSX Corporation	Nishat Chunian Power Ltd	TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
CTO Co. Ltd.	Nishat Power Ltd	TransFin-M PAO
CVR ENERGY, INC.	NISOURCE INC.	Transkapitalbank
Dalmoreprodukt	Nitel OAO	TRANSMONTAIGNE PARTNERS LLC
D'Amico International Shipping SA	Nizhegorodoblgaz OAO	Transocean Ltd.
DANA GAS CO.(P.J.S)	Nizhnekamskneftekhim PJSC	Transportadora de Gas del Peru S.A.
Daqin Railway Co., Ltd.	NLC INDIA LIMITED	Transportadora de Gas del Sur S.A.
Daqo New Energy Corp.	NOBLE CORPORATION PLC	TRANSPORTADORA DE GAS INTERNACIONAL S.A. ESP
Datang International Power Generation Co., Ltd.	NORFOLK SOUTHERN CORPORATION	Trina Solar
Defence Industries Organization	North Atlantic Trading Co., Inc.	Trinidad Generation Unlimited
DELEK GROUP LTD.	North Atlantic Trading Co., Inc.	TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.
DELEK LOGISTICS PARTNERS, LP	NORTHERN OIL AND GAS, INC.	TriSummit Utilities Inc.
DELEK US HOLDINGS, INC.	NORTHWEST NATURAL HOLDING COMPANY	TSL Ltd.
DEVON ENERGY CORPORATION	NOVA SCOTIA POWER INCORPORATED	TUCSON ELECTRIC POWER COMPANY
DIAMONDBACK ENERGY, INC.	Novatek PJSC	Tulachermet PAO
DIVERSIFIED ENERGY COMPANY PLC	Novikombank AO	Tulamashzavod
DMCI HOLDINGS, INC.	Novolipetsk Steel PJSC	Tulanefteprodukt PJSC
DNO ASA	Novoroslesexport OAO	TULLOW OIL PLC
DOF GROUP ASA	Novorossiysk Commercial Sea Port PJSC	TURKIYE PETROL RAFINERILERI ANONIM SIRKETI
DOMINION ENERGY SOUTH CAROLINA, INC.	Novorossiyskiy Kombinat Khleboproduktov PAO	Turning Point Brands, Inc.
Dorian LPG Ltd.	NRW HOLDINGS LIMITED	Turquoise Hill Resources Ltd.
DT MIDSTREAM, INC.	NTC Industries Ltd.	Tutaev Motor Plant OAO
DTE ELECTRIC COMPANY	NTPC LIMITED	Tutunski Kombinat AD Prilep
DTE Energy Co	NTPC Ltd	Tverskoy Vagonostroitelniy Zavod
DUKE ENERGY FLORIDA, LLC	NUVISTA ENERGY LTD.	Uchalinskiy Gorno-Obogatitelniy Kombinat OAO
DUKE ENERGY INDIANA, LLC	Obnyeftegazgeologia OJSC	Udmurtneft OAO
Dupnitsa-Tabak AD	OBSIDIAN ENERGY LTD.	Ufaleynickel PJSC
Dushanzi Petrochemical Company	OCCIDENTAL PETROLEUM CORPORATION	Ugol'naya Kompaniya Yuzhnyy Kuzbass PAO
Duvanska Industrija AD Bujanovac	OCP SA	U-MING MARINE TRANSPORT CORPORATION
Duvanski Kombinat ad Podgorica	ODAS ELEKTRIK URETIM SANAYI TICARET ANONIM SIRKETI	Union Investment Corp.
Eastern Co. (Egypt)	ODFJELL DRILLING LTD	UNION PACIFIC CORPORATION
Ecopetrol S.A.	OFILM Group Co., Ltd.	Union Tobacco & Cigarette Industries Co.
Elbit Systems Ltd.	OGK-2 PJSC	United Aircraft Corporation
Electric Power Development Co., Ltd.	OGLETHORPE POWER CORP	United Co RUSAL International PJSC
ELECTRICITY GENERATING PUBLIC COMPANY LIMITED	Oil & Natural Gas Corp	United Credit Systems PJSC

PAB Exclusions		
Elektrostal OAO	Oil and Gas Development Co Ltd	UNITED ENERGY GROUP LIMITED
Elentec Co., Ltd.	OIL AND NATURAL GAS CORPORATION LIMITED	United Shipbuilding Corporation
ElSewedy Electric Co	OIL INDIA LIMITED	United Wagon Co PJSC
EMERA INCORPORATED	OIL REFINERIES LTD.	Universal Corporation
Empresa Nacional del Petroleo	OMV Aktiengesellschaft	Ural Bank for Reconstruction and Development
EM-Tech. Co., Ltd.	ONE GAS, INC.	Uralelektromed OAO
EN+ Group International PJSC	ONEOK, INC.	Uralkali PJSC
Enagas S.A.	ONGC Videsh Ltd.	UralSib Bank PJSC
ENAUTA PARTICIPACOES S.A.	OPC Energy Ltd.	Uralskaya Kuznitsa OAO
ENBRIDGE ENERGY PARTNERS, L.P.	OQ EXPLORATION AND PRODUCTION SAOG	Uralvagonzavod
Enbridge Gas Inc.	OQ Gas Networks SAOC	UTair Aviation PJSC
Enbridge Inc	OQ SAOC	Valaris Limited
Enbridge Inc.	Oracle Power PLC	VALERO ENERGY CORPORATION
ENEA SPOLKA AKCYJNA	Ordtech Military Industries	VANTAGE DRILLING INTERNATIONAL
ENEL RUSSIA PJSC	Organichesky Sintez PJSC	VAR ENERGI ASA
ENEOS Holdings, Inc.	ORLEN SPOLKA AKCYJNA	Varyeganneftegaz PJSC
ENERGEAN PLC	OSAKA GAS CO., LTD.	Vector Group Ltd.
Energir Inc.	Otkritie Bank OJSC	Vedanta Limited
Energospecmontazh	OVINTIV INC.	VEDANTA LIMITED
Energy Transfer Equity LP	Ozon Holdings PLC	Vedanta Resources Finance II Plc
ENERGY TRANSFER LP	Pakistan Oilfields Ltd	Vedanta Resources Jersey Ltd.
Energy Transfer Operating LP	Pakistan Ordnance Factories	Vedanta Resources Ltd
Enerya Enerji AS	Pakistan Petroleum Ltd	VEREN INC.
Eneva S.A.	Pakistan Refinery Ltd	VERMILION ENERGY INC.
ENGIE Energia Chile S.A.	PAKISTAN STATE OIL COMPANY LIMITED	VERTEX ENERGY, INC.
Engro Powergen Qadirpur Limited	Pakistan Tobacco Co. Ltd.	Vibra Energia S.A.
ENI S.P.A.	PANTHEON RESOURCES PLC	Victory City International Holdings Ltd.
ENLINK MIDSTREAM PARTNERS, LP	PAR PACIFIC HOLDINGS, INC.	Vier Gas Transport GmbH
ENLINK MIDSTREAM, LLC	PARAMOUNT RESOURCES LTD.	Viper Energy, Inc.
ENN ENERGY HOLDINGS LIMITED	Paratus Energy Services Ltd.	VITAL ENERGY, INC.
ENN Natural Gas Co., Ltd.	PAREX RESOURCES INC.	VITESSE ENERGY, INC.
ENQUEST PLC	PARKLAND CORPORATION.	VIVA ENERGY GROUP LIMITED
Ensign Energy Services Inc.	PATTERSON-UTI ENERGY, INC.	VK Co Ltd
ENTERGY CORPORATION	PAZ RETAIL AND ENERGY LTD	Vnesheconombank Via VEB Finance PLC
ENTERGY LOUISIANA, LLC	Pazardzhik BTM AD	Volcan Cia Minera SAA
ENTERGY MISSISSIPPI, LLC	PBF ENERGY INC.	VPR Brands LP
ENTERGY TEXAS, INC.	PBF HOLDING COMPANY LLC	VSMPO-AVISMA Corp PJSC
ENTERPRISE PRODUCTS OPERATING LLC	PEABODY ENERGY CORPORATION	VST Industries Limited
EOG RESOURCES, INC.	PEMBINA PIPELINE CORPORATION	VTB Bank PJSC
EQM MIDSTREAM PARTNERS, LP	Permenergosbyt PJSC	Vyborg Shipyard PAO
EQT CORPORATION	PERMIAN RESOURCES CORPORATION	VAALCO ENERGY, INC.
EQUINOR ASA	PERU LNG S.R.L.	W&T OFFSHORE, INC.
EQUITAL LTD	PetroChina Company Limited	Walchandnagar Industries Ltd.
ESKOM HOLDINGS SOC LIMITED	PetroChina Company Limited	WASHINGTON H. SOUL PATTINSON AND COMPANY LIMITED
Esso Societe Anonyme Francaise SA	Petroleo Brasileiro S.A. (Petrobras)	WEATHERFORD INTERNATIONAL PUBLIC LIMITED COMPANY
ETABLISSEMENTS MAUREL ET PROM SA	Petroleos del Peru - Petroperu S.A.	Wee-Cig International Corp.

PAB Exclusions		
European Eltech PJSC	Petroleos Mexicanos	West Indian Tobacco Co. Ltd.
eustream, a.s.	Petroleum Trading Lao Public Co	WESTERN MIDSTREAM OPERATING, LP
EVERGY KANSAS CENTRAL, INC.	PETROLIAM NASIONAL BERHAD (PETRONAS)	Westshore Terminals Investment Corporation
Evergy Metro, Inc.	PETRON CORP.	WHITECAP RESOURCES INC.
Evraz Plc	PETRONAS DAGANGAN BERHAD	WHITEHAVEN COAL LIMITED
Excelerate Energy Inc	PETRONAS GAS BERHAD	Wilmar International Ltd
Eximbank of Russia	PETRONET LNG LIMITED	WINTIME ENERGY GROUP CO.,LTD.
EXMAR NV	Petropavlovsk PLC	WISCONSIN ELECTRIC POWER COMPANY
EXPAND ENERGY CORPORATION	PetroReconcavo S.A.	WISCONSIN POWER AND LIGHT COMPANY
EXXARO RESOURCES LIMITED	PETROTAL CORP.	WISCONSIN PUBLIC SERVICE CORPORATION
Exxon Mobil Corporation	PEYTO EXPLORATION & DEVELOPMENT CORP.	Woodside Energy
EXXON MOBIL CORPORATION	Pharmacy Chain 36.6 PJSC	WOODSIDE ENERGY GROUP LTD
Far-Eastern Energy Co PJSC	Philip Morris (Pakistan) Ltd.	WORLD KINECT CORPORATION
Far-Eastern Shipping Co PLC	Philip Morris CR as	World Trade Center Moscow PJSC
Federal Grid Co Unified Energy System PJSC	Philip Morris International Inc.	WTK Holdings Bhd
FEDERATED CO-OPERATIVES LIMITED	Philip Morris Operations AD	X5 Retail Group NV
FINNING INTERNATIONAL INC.	Phillips 66	Xinjiang Nonferrous Metal Industry Group Co Ltd
First Pacific Company Limited	PHILLIPS 66	Xinjiang Zhongthai Chemical
FLEX LNG LTD.	PHILLIPS 66 PARTNERS LP	Yakutsk Fuel-Energy Co PJSC
FLOENE ENERGIAS S.A.	Phoenix Power Company SAOG	Yakutskenergo PJSC
FLORIDA POWER & LIGHT COMPANY	PhosAgro PJSC	YAmaltransstroj PJSC
Formosa Chemicals & Fibre Corp.	Piedmont Natural Gas Company, Inc.	YANCOAL AUSTRALIA LTD
FORMOSA PETROCHEMICAL CORPORATION	Pigment OJSC	Yankuang Energy Group Company Limited
Formosa Taffeta Co., Ltd.	PIK Group PJSC	YINSON HOLDINGS BERHAD.
Franco-Nevada Corporation	PINGDINGSHAN TIANAN COAL. MINING CO., LTD.	Youngor Group Co., Ltd.
Freehold Royalties Ltd.	PIONEER NATURAL RESOURCES COMPANY	YPF Sociedad Anonima
Freeport McMoRan	PIPELINES ENBRIDGE INC.	YTL CORPORATION BERHAD
FRONTERA ENERGY CORPORATION	PJSC SPC Energia	YTL POWER INTERNATIONAL BERHAD
FRONTLINE PLC	PLAINS ALL AMERICAN PIPELINE, L.P.	Yunnan Baiyao Group Co., Ltd.
FTAI INFRASTRUCTURE INC.	PLAINS GP HOLDINGS, L.P	Yuzhno-Ural'skij nikelevyj kombinat PJSC
GAIL (INDIA) LIMITED	Polymetal International Plc	Yuzhural-Asko PJSC
Gaiskiy GOK OAO	Polyus PJSC	Zavod Imeni VA Degtyareva OAO
Galp Energia, SGPS, S.A.	Poongsan Corp.	Zen Technologies Ltd.
GAS MALAYSIA BERHAD	POONGSAN HOLDINGS Corp.	Zhejiang Zheneng Electric Power CO., LTD
Gas Natural de Lima y Callao S.A.	POSCO	Zhen Ding Technology Holding Ltd.
GAS NETWORKS IRELAND	Posco International Corp	ZHONGYU ENERGY HOLDINGS LIMITED
Gazkon PJSC	Positive Group PJSC	Zijin International Capital Co., Ltd.
Gazprom Gazoraspredelenie Syktyvkar AO	Power Assets Holdings Limited	Zijin International Finance Co., Ltd.
Gazprom Neft PJSC	Power Construction Corporation of China	Zijin Mining
Gazprom PJSC	PPL CORPORATION	ZIL PJSC
Gazprom PJSC Via Gaz Capital SA	PRAIRIESKY ROYALTY LTD.	ZTE Corp
Total excluded companies	1295	

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.

CTB		
Company		
22nd Century Group, Inc.	Geotech Seismic Services PJSC	PT Hanjaya Mandala Sampoerna Tbk
A-1 Group, Inc.	Gilla, Inc.	PT Indofood Sukses Makmur Tbk
Abrau-Durso PJSC	Giprosfetsgaz OAO	PT Indonesian Tobacco Tbk
AcBel Polytech, Inc.	Glencore	PT Perusahaan Perkebunan London Sumatra Indonesia Tbk
Acron PJSC	Godfrey Phillips India Ltd.	PT Salim Ivomas Pratama Tbk
Adani Abbot Point Terminal Pty Ltd.	Golden Agri-Resources Ltd	PT Sawit Sumbermas Sarana Tbk
Adani Enterprises	Golden Tobacco Ltd.	PT Wismilak Inti Makmur Tbk
Adani Green Energy	Gotse Delchev Tabac AD	Pyxus International, Inc.
Adani Ports & Special Economic Zones	Grand Pharmaceutical Group Ltd.	Quadra Power Generation PJSC
Aeroflot PJSC	Greenlane Holdings, Inc.	R.J. Reynolds Tobacco Holdings, Inc.
Aerospace Long-March International Trade Co., Ltd.	Grupo Mexico SAB de CV	Raspadskaya OAO
AFGRI Ltd.	Gruppa kompaniy kommunalnoy sfery PAO	Red Rock Resorts, Inc.
Aganftegazgeologia OAO	Gtlk Europe Capital DAC	Renaissance Insurance Group JSC
Agrofirma Mcenskaya OAO	Guangdong DFP New Material Group Co., Ltd.	Reshef Technologies Ltd.
Al-Eqbal Co. for Investment Plc	Guangdong New Grand Long Packing Co., Ltd.	Reynolds American, Inc.
Alfa-Bank	Halcyon Agri Corp Ltd	Rio Zim Ltd.
Almaz-Antei PAO	HALS-Development PJSC	RLX Technology, Inc.
Alrosa PJSC	Haixiangni Health Food Co., Ltd.	Rosgosstrakh PJSC
ALROSA-Nyurba PJSC	Harmony Gold Mining Co Ltd	Rosneft Oil Co PJSC
Altadis Emisiones Financieras SA	Harrys Manufacturing Inc.	Rosseti Centre PJSC
Altadis SA	HKVision	Rosseti Kuban PJSC
Altria Group, Inc.	Hoang Long Group	Rosseti Lenenergo PJSC
American Heritage International, Inc.	Honeys Holding	Rosseti Moscow Region PJSC
AMVIG Holdings Ltd.	Hoshine Silicon Industry Co., Ltd.	Rosseti North Caucasus PJSC
Anhui GreatWall Military Industry Co., Ltd.	Hotel Kosmos OAO	ROSSETI PJSC
Anhui Military Industry Group Holding Co. Ltd.	Hrvatski Duhani dd	Rosseti Siberia PJSC
Aphria	Huabao International Holdings Limited	Rosseti South PJSC
Arab Organization for Industrialization	Huaihe Energy (Group) Co., Ltd.	Rosseti Volga PJSC
Archer-Daniels Midland Co.	Human Stem Cells Institute PJSC	Rostec
Arcis Resources Corp.	Icon Vapor, Inc.	Rostec Corp.
Arktikneftegazstroy OAO	IDGC of Centre and Volga Region PJSC	Rostec State Corp
Aryt Industries Ltd.	IDGC of the North-West PJSC	Rostelecom PJSC
Asberry 22 Holdings, Inc.	IDGC of Urals JSC	Rostovoblgaz PJSC
Aselsan Elektronik Sanayi ve Ticaret AS	IMA T&T SpA	RusHydro PJSC
Asenovgrad Tabac AD	Imperial Brands Finance Netherlands BV	Rusolovo PJSC
Ashoka Manufacturing Ltd	Imperial Brands Finance Plc	Ruspolimet OJSC
Atomic Energy Power Corp.	Imperial Brands PLC	Russia Federation
Atomic Energy Power Corp.	Imperial Oil Ltd	Russian Agricultural Bank
Avangard Bank PJSC	Indofood Agri Resources Ltd.	Russian Agricultural Bank OJSC Via RSHB Capital SA

CTB Company		
Avary Holding (Shenzhen) Co., Ltd.	Ingosstrakh Insurance Co	Russian Aquaculture PJSC
Avibras Industria Aeroespacial SA	INGRAD OOO	Russian Direct Investment Fund
AviChina Industry & Technology	Inner Mongolia Baotou Steel Union Co	Russian Railways JSC
Aziyo Biologics, Inc.	Inter RAO UES PJSC	RussNeft PJSC
B.A.T Capital Corp.	INVEST-DEVELOPMENT PJSC	Ryazan Energy Retail Co PJSC
B.A.T. Finance BV	IOI Corporation Berhad	SAIC Motor Corp. Ltd
B.A.T. International Finance Plc	IOI Investment Labuan Bhd.	Samaraenergo PJSC
B.A.T. Netherlands Finance BV	Irkutskenergo PJSC	Samarco Mineracao SA
BADECO ADRIA dd	Ispire Technology, Inc.	Samolet Group
Bajaj Hindustan Sugar Ltd.	ITC Limited	Sandhar Technologies Limited
Bamtonnelstroy	Izhorskiye Zavody PJSC	Santos
Bank Otkritie Financial Corp OJSC Via OFCB Capital PLC	Japan Tobacco, Inc.	Saratovskiy Neftepererabatyvayuschiy Zavod PJSC
Bank Otkritie Financial Corp PJSC/Tochka	Jastrzebska Spolka Weglowa SA	Sasol Financing International Plc
Bank Rossiya OAO	JBK Technologies Ltd.	Sasol Financing USA LLC
Bank St Petersburg PJSC	JBS Finance II Ltd.	Sasol Ltd
Bank ZENIT PJSC	JBS SA	Sberbank of Russia PJSC
Barrick (PD) Australia Finance Pty Ltd.	JBS USA Finance, Inc.	Sberbank of Russia Via SB Capital SA
Barrick Gold	JBS USA LLC	Scandinavian Tobacco Group A/S
Barrick Gold Finance Co.	Jerusalem Cigarette Co. Ltd.	Segezha Group PJSC
Barrick North America Finance LLC	JG Summit Holdings, Inc.	Seligdar PJSC
Barrick TZ Ltd.	Jiangsu Guotai International Group Co., Ltd.	Severalmaz PAO
Bashneft PJSC	Jiangxi Copper Co Ltd	Severstal PAO
BAT Brasil	Jinko Solar Co	SFI PJSC
Beijing Tong Ren Tang Chinese Medicine Co., Ltd.	JMV LPS Ltd.	Shanghai Industrial Holdings Limited
Beijing Tongrentang Co., Ltd.	Jointown Pharmaceutical Group Co., Ltd.	Shanghai Shunho New Materials Technology Co., Ltd.
Belon OJSC	JSC Kalashnikov	Shein
Belspetsvneshtekhnika	JT International Financial Services BV	Shenzhen Jinjia Group Co., Ltd.
Beluga Group PJSC	Kalugaputmash	Shenzhen Yinghe Technology Co., Ltd.
Bharat Dynamics Limited	Kaluzsky Plant of Automobile Electrical Equipment OAO	Shumen Tabac AD
Bharat Electronics Limited	Kamaz PJSC	Shaanxi Jinye Science Technology & Education Group Co., Ltd.
Bharat Heavy Electricals Ltd	Kamchatskenergo PJSC	Sila Holding AD
Black Sea Trade & Development Bank	Karelia Tobacco Co., Inc.	Sinnar Bidi Udyog Ltd.
BRF SA	Khanty-Mansiyskdorstroy OAO	Sinotruk Hong Kong Ltd.
British American Tobacco Argentina SAICy F	Khyber Tobacco Co. Ltd.	Sistema PJSFC
British American Tobacco Australasia Ltd.	KIBO Energy PLC	SITAB
British American Tobacco Bangladesh Company Limited	Kimree, Inc.	SJVN Lmt.
British American Tobacco Chile Operaciones SA	Kinetic Development Group Limited	SK Holdings Co
British American Tobacco Co. Ltd.	Komi Energosbytovaya Co OAO	SK Innovation Co Ltd
British American Tobacco Holdings (The Netherlands) BV	Komitex JSC	Slantse Stara Zagora Tabac AD
British American Tobacco Italia SpA	Korporatsiya Takticheskoe Raketnoe Vooruzhenie OAO	Slavneft-Megionneftegaz PPO OAO
British American Tobacco Kenya Plc	Korporatsiya Takticheskoe Raketnoe Vooruzhenie OAO	Slavneft-Megionneftegazgeologia OAO
British American Tobacco Malaysia Bhd.	Korshynov Mining Plant PJSC	Slavneft-Yaroslavnefteorgsintez OJSC

CTB		
Company		
British American Tobacco Peru Holdings Ltd.	Kovrovskiy Mekhanicheskiy Zavod OAO	SLC Agricola SA
British American Tobacco plc	Krasfarma OAO	Smoore International Holdings Limited
British American Tobacco Uganda Ltd.	Krasnoyarskenergosbyt PJSC	SNT DYNAMICS Co., Ltd.
British American Tobacco Yava Jsc	Krasnoyarsknefteproduct	SNT Holdings Co., Ltd.
British American Tobacco Zambia PLC	Krasnyj Octyabr PJSC	Societe Nationale d'exploitation Industrielle des Tabacs
British American Tobacco Zimbabwe Ltd.	Kriogenmash PAO	Sokolskiy Pulp & Paper
Bulgartabac Holding AD	KSB Limited	Solar Defence & Aerospace Ltd.
Bunge Alimentos SA	KSB SE & Co. KGaA	Solar Industries India Limited
Bunge Brasil SA	KT&G Corp.	Solikamsk Magnesium Plant OJSC
Bunge Finance Europe BV	KTK Group Co., Ltd.	Sollers PJSC
Bunge Ltd	Kuban Trunk Grid	South32
Bunge Ltd. Finance Corp.	KuibyshevAzot PJSC	Southern Copper
Bunge NA Finance LP	Kurganskaya Generiruyushchaya Kompaniya PAO	South-Kuzbass GRES OAO
Cargill	Kuzbasskaya Toplivnaya Co JSC	Sovcombank PJSC
Carreras Ltd.	Larsen & Toubro Limited	Sovcomflot PJSC
Cat Loi JSC	Leidos, Inc.	SPB Exchange PJSC
Center for Cargo Container Traffic TransContainer PJSC	Lengazspecstroy OAO	Special Machine Building & Metallurgy PJSC
Centerenergyholding JSC	Lens Technology Co Ltd	Sredneurskiy Medeplavilnyy Zavod OAO
Centrais Eletricas Brasileiras SA (Eletrobras)	Lenzoloto PJSC	State-Owned Foreign Trade Unitary Enterprise Belspetsvneshtech
Central Bank of the Russian Federation/The Central Telegraph PJSC	Li Ning Company Limited	Strumica Tabak AD
	LIG Corp.	Surgutneftegas PJSC
Cetelem Bank	LIG Nex1 Co., Ltd.	Swedish Match Ab
Ceylon Tobacco Company Plc	Litu Holdings Limited	Synthetic Moulders Ltd.
Changhong Meiling Co., Ltd.	Lockheed Martin Corporation	Sysmanzoloto OAO
Charlie's Holdings, Inc.	Lorillard LLC	Ta Ann Holdings Bhd
Chelyabinsk Forge & Press Plant PJSC	LSR Group PJSC	Taganrog Boiler-Making Works Krasny kotelshchik PJSC
Chelyabinsk Metallurgical Plant PJSC	LT Group, Inc.	Tanzania Cigarette Co. Ltd.
Chelyabinsk Pipe Plant PJSC	LUKOIL PJSC	Tatneft PJSC
Cherkizovo Group PJSC	Luthai Textile Co Ltd	Tattelecom PJSC
China Aerospace Science & Industry Corp. Ltd.	Luxshare Precision Industry Co Ltd	TBEA
China Aerospace Science & Technology Corp.	M.Video PJSC	TCS Group Holding PLC
China Boton Group Company Limited	Magadanenergo PJSC	Texhong Textile Group Limited
China Coal Energy Co Ltd	Magnit PJSC	TGC-1 PJSC
China National Nuclear Corp.	Magnitogorsk Iron & Steel Works PJSC	TGC-2 PJSC
China National Nuclear Corp.	Marathon Petroleum Corp	TGK-14 PJSC
China National Petroleum Corporation (CNPC)	Mechel PJSC	The Day & Zimmermann Group, Inc.
China North Industries Corp.	MegaFon PJSC	Tingo Group
China North Industries Group Corp. Ltd.	Metafrax OAO	TNS energo Nizhny Novgorod PJSC
China Nuclear Engineering & Construction Corp. Ltd.	Metallurgical Corporation of China	TNS energo Rostov-on-Don PJSC
China Poly Group Corp. Ltd.	Mikron JSC	TNS Energo Voronezh PJSC
China Shipbuilding Industry Co., Ltd.	Minerva SA	TNS energo Yaroslavl PJSC
China Shipbuilding Industry Co., Ltd.	MMC Norilsk Nickel PJSC	TNS Energos PJSC

CTB		
Company		
China Tobacco International (HK) Company Limited	Mobile TeleSystems PJSC	Tong Ren Tang Technologies Co., Ltd.
China Traditional Chinese Medicine Holdings Co. Ltd.	Moscow City Telephone Network PJSC	Tongling Nonferrous Metals Group
Chrezvichainaia strahovaia co CHSK OAO	Moscow Exchange MICEX-RTS PJSC	Toyo Ventures Holdings Bhd.
CNOOC Canada, Inc.	Mosenergo PJSC	TransFin-M PAO
CNOOC Curtis Funding No. 1 Pty Ltd.	Mostotrest PJSC	Transkapitalbank
CNOOC Finance (2003) Ltd.	MTAR Technologies Ltd.	Trina Solar
CNOOC Finance (2011) Ltd.	Muhibbah Engineering (M) Bhd.	TSL Ltd.
CNOOC Finance (2012) Ltd.	Nauchno-Proizvodstvennoe Obedinenie S plav OAO	Tulachermet PAO
CNOOC Finance (2013) Ltd.	NC Rosneft- Kubannefteproduct PJSC	Tulamashzavod
CNOOC Finance (2014) ULC	Ngan Son JSC	Tulanefteprodukt PJSC
Cnooc Finance (2015) Australia Pty Ltd.	Nikotiana BT Holding AD	Turning Point Brands, Inc.
CNOOC Finance (2015) U.S.A. LLC	Nitel OAO	Turquoise Hill Resources Ltd.
CNOOC Ltd	Nizhegorodoblغاز OAO	Tutaev Motor Plant OAO
Coka Duvanska Industrija AD	Nizhnenskamskneftekhim PJSC	Tutunski Kombinat AD Prilep
Commercial Sea Port of Vladivostok PJSC	North Atlantic Trading Co., Inc.	Tverskoy Vagonostroitelny Zavod
Companhia Energetica De Minas Gerais (CEMIG)	North Atlantic Trading Co., Inc.	Uchalinskiy Gorno-Obogatitely Kombinat OAO
Conoco Funding Co.	Novatek PJSC	Udmurtneft OAO
ConocoPhillips	Novikombank AO	Ufaleynickel PJSC
ConocoPhillips Australia Funding Co.	Novolipetsk Steel PJSC	Ugol'naya Kompaniya Yuzhnyy Kuzbass PAO
ConocoPhillips Canada Funding Co. I	Novoroslesexport OAO	Union Investment Corp.
ConocoPhillips Canada Funding Co. II	Novorossiysk Commercial Sea Port PJSC	Union Tobacco & Cigarette Industries Co.
ConocoPhillips Co.	Novorossiyskiy Kombinat Khleboproduktov PAO	United Aircraft Corporation
Consolidated Cigar Holdings, Inc.	NTC Industries Ltd.	United Co RUSAL International PJSC
CoreCivic Corp	NTPC Ltd	United Credit Systems PJSC
Credit Bank of Moscow PJSC	Obnyeftegazgeologia OJSC	United Shipbuilding Corporation
CTO Co. Ltd.	OCP SA	United Wagon Co PJSC
Dalmoreprodukt	OFILM Group Co., Ltd.	Universal Corporation
Daqo New Energy Corp.	OGK-2 PJSC	Ural Bank for Reconstruction and Development
Defence Industries Organization	Oil & Natural Gas Corp	Uralelektromed OAO
DTE Energy Co	ONGC Videsh Ltd.	Uralkali PJSC
Dupnitsa-Tabak AD	Oracle Power PLC	UralSib Bank PJSC
Dushanzi Petrochemical Company	Ordtech Military Industries	Uralskaya Kuznitsa OAO
Duvanska Industrija AD Bujanovac	Organichesky Sintez PJSC	Uralvagonzavod
Duvanski Kombinat ad Podgorica	Otkritie Bank OJSC	UTair Aviation PJSC
Eastern Co. (Egypt)	Ozon Holdings PLC	Varyeganneftegaz PJSC
Elbit Systems Ltd.	Pakistan Ordnance Factories	Vector Group Ltd.
Elektrostal OAO	Pakistan Tobacco Co. Ltd.	Vedanta Limited
Elentec Co., Ltd.	Pazardzhik BTM AD	Vedanta Resources Finance II Plc
ElSewedy Electric Co	Permenergosbyt PJSC	Vedanta Resources Jersey Ltd.
EM-Tech. Co., Ltd.	PetroChina Company Limited	Vedanta Resources Ltd
EN+ Group International PJSC	Petroleum Trading Lao Public Co	Victory City International Holdings Ltd.
Enbridge Inc	Petropavlovsk PLC	VK Co Ltd
ENEL RUSSIA PJSC	Pharmacy Chain 36.6 PJSC	Vnesheconombank Via VEB Finance PLC
Energospecmontazh	Philip Morris (Pakistan) Ltd.	Volcan Cia Minera SAA

CTB		
Company		
Energy Transfer Equity LP	Philip Morris CR as	VPR Brands LP
Energy Transfer Operating LP	Philip Morris International Inc.	VSMPO-AVISMA Corp PJSC
European Eltech PJSC	Philip Morris Operations AD	VST Industries Limited
Evraz Plc	Phillips 66	VTB Bank PJSC
Eximbank of Russia	PhosAgro PJSC	Vyborg Shipyard PAO
Exxon Mobil Corporation	Pigment OJSC	Walchandnagar Industries Ltd.
Far-Eastern Energy Co PJSC	PIK Group PJSC	Wee-Cig International Corp.
Far-Eastern Shipping Co PLC	PJSC SPC Energia	West Indian Tobacco Co. Ltd.
Federal Grid Co Unified Energy System PJSC	Polymetal International Plc	Wilmar International Ltd
First Pacific Company Limited	Polyus PJSC	Woodside Energy
Formosa Chemicals & Fibre Corp.	Poongsan Corp.	World Trade Center Moscow PJSC
Formosa Taffeta Co., Ltd.	POONGSAN HOLDINGS Corp.	WTK Holdings Bhd
Freeport McMoRan	POSCO	X5 Retail Group NV
Gaiskiy GOK OAO	Posco International Corp	Xinjiang Nonferrous Metal Industry Group Co Ltd
Gazkon PJSC	Positive Group PJSC	Xinjiang Zhongthai Chemical
Gazprom Gazoraspredelenie Syktyvkar AO	Power Construction Corporation of China	Yakutsk Fuel-Energy Co PJSC
Gazprom Neft PJSC	Premier Explosives Ltd.	Yakutskenergo PJSC
Gazprom PJSC	Press Corporation Plc	YAmaltransstroj PJSC
Gazprom PJSC Via Gaz Capital SA	Press Metal Aluminium Holdings Berhad	Youngor Group Co., Ltd.
Gazprom PJSC via Gaz Finance PLC	Press Metal Bhd.	Yunnan Baiyao Group Co., Ltd.
Gazprombank	Priargunsky Industrial Mining and Chemical Union OAO	Yuzhno-Ural'skij nikel'nyy kombinat PJSC
Gaz-service PJSC	Priisk Dambuki OAO	Yuzhural-Asko PJSC
GAZ-Tek PJSC	Primorie Bank PJSC	Zavod Imeni VA Degtyareva OAO
GCL New Energy Holdings Limited	Proizvodstvennoye Ob Yedineniye Severnoye Mashinostroitel'noye Predpriyatiye AO	Zen Technologies Ltd.
GCL Technology	Promsvyazbank	Zhen Ding Technology Holding Ltd.
GCM Resources plc	PT Astra Agro Lestari Tbk	Zijin International Capital Co., Ltd.
Gemini Group Global Corp.	PT Astra International Tbk	Zijin International Finance Co., Ltd.
GenBank	PT Bakrie & Brothers Tbk	Zijin Mining
Genting Bhd	PT Barito Pacific Tbk	ZIL PJSC
Genting Plantations Berhad	PT Bentoel International Investama Tbk	ZTE Corp
GEO Group	PT Gudang Garam Tbk	
Total excluded companies		593

Principal Adverse Impact exclusions for sustainable investments

Exclusions cover companies that are not meeting the PAI Thresholds set out in the Danske Bank Sustainable Model Methodology paper, which is available here. [Sustainability related disclosures \(danskebank.com\)](https://www.danskebank.com/en/our-work/sustainability/sustainable-investing/sustainable-investing-methodology).

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

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

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
Can2 Termik AS	x	
Canfor Pulp Products Inc.	x	
Canvest Environmental Protection Group Company Limited	x	
Captor Capital Corp.	x	
CARIBBEAN UTILITIES COMPANY, LTD.	x	
Carton de Colombia SA	x	
Caspian Sunrise Plc	x	
CCOM Group, Inc.	x	
Celik Halat ve Tel Sanayii AS	x	
CEMEDINE Co., Ltd.	x	
Cementir Holding NV	x	
Cemento Polpaico SA	x	
Cementos Molins SA	x	
CEMEX Holdings Philippines, Inc.	x	
Centara Hotels & Resorts Leasehold Property Fund	x	
CENTROTEC SE		x
Century Global Commodities Corporation	x	
Cerveceria Nacional	x	
CGN New Energy Holdings Co., Ltd.	x	
CGN Power Co., Ltd.	x	
CGX Energy Inc.	x	
Chang Yee Steel Co., Ltd.	x	
Changjiang Securities Co., Ltd.		x
Chaozhou Three-Circle (Group) Co., Ltd.		x
Chase Bright Steel Ltd.	x	
Chemical Company of Malaysia Berhad	x	
Cheng Shin Rubber Ind. Co., Ltd.	x	
China Aerospace Science & Industry Corp. Ltd.		x
China Aerospace Science & Technology Corp.		x
China Bluechemical Ltd.	x	
China Coal Energy Company Limited	x	
China Coal Xinji Energy Co., Ltd.	x	
China Hanking Holdings Ltd.	x	
China ITS (Holdings) Co., Ltd.	x	
China National Building Material Company Limited	x	
China National Chemical Engineering Co., Ltd.		x
China National Nuclear Corp.		x
China North Industries Corp.		x
China North Industries Group Corp. Ltd.		x
China Nuclear Engineering & Construction Corp. Ltd.		x
China Oriental Group Company Limited	x	
China Poly Group Corp. Ltd.		x
China Power International Development Limited	x	
China Resource & Environment Co., Ltd.	x	
China Resources Building Materials Technology Holdings Ltd.	x	
China Resources Power Holdings Co., Ltd.	x	
China Satellite Communications Co., Ltd.		x
China Shanshui Cement Group Limited	x	
China Shipbuilding Industry Co., Ltd.		x
China Tianrui Group Cement Company Limited	x	
China Traditional Chinese Medicine Holdings Co. Limited	x	
China United Network Communications Ltd.		x
China West Construction Co., Ltd.	x	
China Zenith Chemical Group Limited	x	
Chinook Energy Inc.	x	
Chongqing Changan Automobile Co. Ltd.		x
Chongqing Iron & Steel Company Limited	x	
Chuo Kagaku Co., Ltd.	x	
Ciech Group Financing AB	x	
Cimentas Izmir Cimento Fabrikasi Turk AS	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
Cimsa Cimento Sanayi ve Ticaret AS	x	
Citaglobal Berhad	x	
Citic Pacific Special Steel Group Co., Ltd.	x	
CITIC Press Corp.	x	
Citizens JMP Group LLC	x	
City Cement Co.	x	
Cleco Corporate Holdings LLC	x	
Cleco Power LLC	x	
Cleveland-Cliffs Steel Holding Corporation	x	
CMB Wing Lung Bank Ltd.	x	
CMG Cleantech SA	x	
CNOOC Finance (2003) Ltd.		x
CNOOC Finance (2011) Ltd.		x
CNOOC Finance (2012) Ltd.		x
CNOOC Finance (2013) Ltd.		x
CNOOC Finance (2014) ULC		x
CNOOC Finance (2015) Australia Pty Ltd.		x
CNOOC Finance (2015) U.S.A. LLC		x
CNOOC Limited		x
Coal India Ltd.	x	
Co-Diagnostics, Inc.		x
Colorado Interstate Gas Co. LLC	x	
Companhia Estadual de Geracao e Transmissao de Energia Eletri	x	
Concrete Engineering Products Berhad	x	
Consolidated Edison, Inc.	x	
Construction Materials Industries & Contracting S.A.O.G.	x	
Construtora Sultepa SA	x	
Continental Gold, Inc.	x	
CoreCivic, Inc.	x	
Coreo AG		x
CORESTATE Capital Holding SA		x
Corsa Coal Corp.	x	
Corvus Gold Inc.	x	
Craft Brew Alliance, Inc.	x	
Crestchic Ltd. (East Midlands)	x	
Croatia Airlines dd	x	
Cubic Digital Technology Co., Ltd.	x	
D.G. Khan Cement Co. Ltd.	x	
D/S Norden A/S	x	
Da Nang Construction Building Materials Vicem JSC	x	
DAE DONG STEEL Co., Ltd.	x	
Daejoo Energy INnovation Technology Co., Ltd.	x	
Dahlbusch AG	x	
Dairibord Holdings Ltd.	x	
Daiyang Metal Co., Ltd.	x	
Dallah Healthcare Co.		x
Dalmia Bharat Limited	x	
Dandot Cement Co. Ltd.	x	
Dar Al Arkan Real Estate Development Co.		x
Data443 Risk Mitigation, Inc.	x	
Datang International Power Generation Co., Ltd.	x	
DCM Corp.	x	
DCW Limited	x	
De Grey Mining Limited	x	
Deep Yellow Limited	x	
Defence Industries Organization		x
Denbury, Inc.	x	
Denison Mines Corp.	x	
DeTai New Energy Group Limited	x	
Dewan Cement Ltd.	x	
DFCITY Group Bhd.	x	
dhSteel	x	
DNO North Sea Plc	x	
Dominion Energy South Carolina, Inc.	x	
DONG SUH Companies Inc.		x
DONGIL INDUSTRIES Co., Ltd.	x	
DONGYANG S TEC Co., Ltd.	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
Dorogobuzh PJSC	x	
DTE Energy Company	x	
Duke Energy Ohio, Inc.	x	
Duke Energy Progress LLC	x	
Dukhan Bank QPSC		x
Dusit Thani Freehold and Leasehold Real Estate Investment Trust	x	
Dynac Holdings Corp.	x	
East African Cables Plc	x	
Eastern Co. (Egypt)		x
Eastern Treads Ltd.	x	
Ebara Corp.	x	
Edesal Holding SA	x	
Eisen- und Huettenwerke AG	x	
EL Forge Ltd.	x	
EL5-Energo PJSC	x	
Elec & Eltek International Co. Ltd.	x	
Electricite de Strasbourg SA	x	
Electrotherm (India) Ltd.	x	
Elektrobras Participacoes SA	x	
Elutia Inc.	x	
Emakina Group SRL	x	
Emlak Konut Gayrimenkul Yatirim Ortakligi AS		x
Empresa Agroindustrial Pomalca SA	x	
Empresa Distribuidora Sur SA	x	
En+ Group International PJSC		x
Endo International Plc	x	
ENEA SA	x	
Energy Transfer LP	x	
Eng Electric Co., Ltd.	x	
ENGIE Energia Peru SA	x	
Engro Corporation Limited	x	
Entergy Louisiana LLC	x	
Entergy Mississippi LLC	x	
Entergy Texas, Inc.	x	
Entergy Utility Property, Inc.	x	
eRex Co., Ltd.		x
Eskom Holdings SOC Ltd.	x	
ESL Steel Ltd.	x	
Eterna Capital Pte Ltd.	x	
Evergy Metro, Inc.	x	
Evertz Technologies Limited		x
Exsa SA	x	
Ezdan Holding Group		x
Facor Alloys Ltd.	x	
Farmers Edge Inc.	x	
Fauji Cement Co. Ltd.	x	
Federal Grid Co. ROSSETI PJSC		x
Feishang Anthracite Resources Limited	x	
Fengxing Co., Ltd.	x	
Ferrocarril del Pacifico SA	x	
Ferroglobe USA, Inc.	x	
Fertilizantes Heringer SA	x	
FIDOR Bank AG	x	
First Metro Investment Corp.	x	
FirstEnergy Corp.	x	
FLSmidth & Co. A/S	x	
Flying Cement Co. Ltd.	x	
Fonterra Shareholders' Fund	x	
Formosa Petrochemical Corp.	x	
Formosa Taffeta Co., Ltd.		x
Forward Energy PJSC	x	
Forward Partners Group Plc	x	
French Connection Group Ltd.	x	
Friedman Industries, Incorporated	x	
FuelCell Energy, Inc.	x	
Fufeng Group Limited	x	
Fujairah Cement Industries Co.	x	
Fujian Funeng Co., Ltd.	x	
Funcom SE	x	
G J Steel Public Company Limited	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
GasLog Ltd.	x	
Gaz Capital SA	x	
Gaz Finance Plc	x	
Gazprom Capital OOO	x	
Gazprom Neft PJSC		x
Gazprom Neftekhim Salavat JSC	x	
Gazprom PJSC	x	
GCP Applied Technologies Inc.	x	
GD Power Development Co., Ltd.	x	x
Gencor Industries, Inc.		x
General Mining Co. Plc	x	
Genting Plantations Berhad		x
Geo Coal International Pte Ltd.	x	
Geo Energy Resources Limited	x	
GEOSTR Corp.	x	
Ghandhara Tyre & Rubber Co. Ltd.	x	
Giorgio Fedon & Figli SpA	x	
Global Heavy Chemicals Ltd.	x	
Glow Energy Public Company Limited	x	
Golden Energy and Resources Limited	x	
Golden Minerals Company	x	
Golik Holdings Limited	x	
GOO Chemical Co., Ltd.	x	
Goodyear Lastikleri TAS	x	
Gotion High-tech Co., Ltd	x	
Goyo Foods Industry Co., Ltd.	x	
GPH Ispat Ltd.	x	
GPI Poznan Sp zoo	x	
Granite Oil Corp.	x	
Great Harvest Maeta Holdings Limited	x	
GRP Limited	x	
GRP Limited	x	
Grupa Azoty Zakłady Azotowe Pulawy SA	x	
Guangdong Baolihua New Energy Stock Co., Ltd.	x	
Guangdong Electric Power Development Co., Ltd.	x	
Guangdong Investment Limited	x	
Guangdong Zhongnan Iron & Steel Co., Ltd.	x	
Guizhou Wire Rope Co., Ltd.	x	
Gujarat Mineral Development Corporation Limited	x	
GUJARAT NARMADA VALLEY FERTILIZERS & CHEMICALS LIMITED	x	
Gulf Cement Co. PSC	x	
Guyana Goldfields Inc.	x	
Gyeongnam Steel Co., Ltd	x	
Hail Cement Co.	x	
Hallador Energy Company	x	x
Hangzhou Iron & Steel Co., Ltd.	x	
HANIL CEMENT Co., Ltd.	x	
Hanil Holdings Co., Ltd.	x	
Hanil Hyundai Cement Co., Ltd.	x	
HANJIN HEAVY INDUSTRIES & CONSTRUCTION HOLDINGS Co., Ltd.	x	
Hanjin KAL Corp.	x	
Hankook & Company Co., Ltd.	x	
HANKOOK ATLASBX Co., Ltd.	x	
HANKOOK STEEL Co., Ltd.	x	
HANMI Semiconductor Co., Ltd.		x
Hanwha Galleria Timeworld Co., Ltd.	x	
Harmony Gold Mining Co. Ltd.	x	
HD Hyundai Electric Co., Ltd.	x	
HD Hyundai Energy Solutions Co., Ltd.	x	
Hedera Group AB	x	
HEG Limited	x	
Heidelberg Materials Bangladesh Plc	x	
HeidelbergCement India Limited	x	
Herborium Group, Inc.	x	
Hibiscus Petroleum Berhad	x	
Hidili Industry International Development Limited	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
HighPoint Resources Corporation	x	
Hindustan Oil Exploration Company Limited	x	
Hisar Metal Industries Ltd.	x	
HLA Group Corp. Ltd.		x
Hoa Cam Concrete JSC	x	
Hod - Assaf Industries Ltd.	x	
Hokuetsu Metal Co., Ltd.	x	
Holcim Ecuador SA	x	
Home REIT Plc		x
Honbridge Holdings Limited	x	
Honda Tsushin Kogyo Co., Ltd.	x	
Hoshine Silicon Industry Co., Ltd.	x	x
HPSP Co., Ltd.		x
Huadian Energy Co., Ltd.	x	
Huadian Power International Corporation Limited	x	
Huaibei Mining Holdings Co., Ltd.		x
Huaneng Lancang River Hydropower Inc.		x
Huaneng Power International, Inc.	x	
Huarui Electrical Appliance Co. Ltd.	x	
Huaxin Cement Co., Ltd.	x	
Huaxin Cement International Finance Co., Ltd.	x	
Hubei Energy Group Co., Ltd.	x	
Hunan Valin Steel Co., Ltd.	x	
Huon Aquaculture Group Pty Ltd.	x	
Hwa Fong Rubber Ind. Co., Ltd.	x	
Hyundai BNG Steel Co., Ltd.	x	
Hyundai Steel Co.	x	
IAMGOLD Corporation	x	
Iberdrola Australia Limited	x	
Idea Bank SA	x	
Ige+Xao SA	x	
Ilyich Iron & Steel Works of Mariupol	x	
Impex Ferro Tech Ltd.	x	
Inducto Steel Ltd.	x	
Industrial & Commercial Bank of China (Asia) Ltd.	x	
Industrial & Commercial Bank of China (Thai) Public Co., Ltd.	x	
Industrial Nanotech, Inc.	x	
Informatics Education Ltd.	x	
Inner Mongolia Baotou Steel Union Co. Ltd.		x
Inner Mongolia Junzheng Energy & Chemical Group Co., Ltd.		x
Inner Mongolia Mengdian Huaneng Thermal Power Corp. Ltd.	x	
Inner Mongolia Yitai Coal Co., Ltd.	x	
Inoue Rubber (Thailand) Public Co. Ltd.	x	
Inter RAO UES PJSC		x
International Industries Ltd.	x	
Interoil Exploration & Production ASA	x	
IPALCO Enterprises, Inc.	x	
Ipek Dogal Enerji Kaynaklari Arastirma ve Uretim AS	x	
Irkutskenergo JSC	x	
IT Tech Packaging, Inc.	x	
Itamar Medical Ltd.	x	
Ivanhoe Electric Inc.	x	
Izhstal PAO		x
J.K. Cement Limited	x	
Jadroplov dd	x	
Jaiprakash Power Ventures Limited	x	
JALUX, Inc.	x	
Japan U-Pica Co., Ltd.	x	
Jastrzebska Spolka Weglowa SA	x	
Javedan Corporation Limited	x	
Jayaswal NECO Industries Ltd.	x	
JBJ Technologies Ltd.		x
Jeco Co., Ltd.	x	
JEIL TECHNOS Co., Ltd.	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
Jersey Central Power & Light Co.	x	
JFE Container Co., Ltd.	x	
JG Summit Holdings, Inc.		x
Jiangsu Guoxin Corp. Ltd.	x	
Jiangxi Copper Company Limited	x	
Jiangxi Wannianqing Cement Co., Ltd.	x	
Jinduicheng Molybdenum Co., Ltd.		x
Jinke Property Group Co., Ltd.		x
Jinneng Holding Shanxi Coal Industry Co., Ltd.	x	
Jizhong Energy Resources Co., Ltd.	x	
JK Lakshmi Cement Limited	x	
JK Tyre & Industries Ltd.	x	
JMV LPS Ltd.		x
Joby Aviation, Inc.	x	
Jointown Pharmaceutical Group Co., Ltd.		x
JSW Energy Limited	x	
Jura Energy Corporation	x	
K. Kythreotis Holdings Public Ltd.	x	
Kanani Industries Ltd.	x	
Kanishk Steel Industries Ltd.	x	
Kawasaki Kinkai Kisen Kaisha Ltd.	x	
KB Insurance Co., Ltd.	x	
KCP Ltd.	x	
Kentucky Power Co.	x	
Kentucky Utilities Co.	x	
Kesoram Industries Limited	x	
KEUM KANG STEEL Co., Ltd.	x	
KIC Metaliks Ltd.	x	
Kilburn Chemicals Ltd.	x	
Kiler Holding AS		x
KNT-CT Holdings Co. Ltd.	x	
Kobelco Eco-Solutions Co., Ltd.	x	
Kobelco Wire Co., Ltd.	x	
Kogi Corp.	x	
Kohat Cement Co. Ltd.	x	
Kona Grill, Inc.	x	
Korea East-West Power Co., Ltd.	x	
Korea Midland Power Co., Ltd.	x	
Korea South-East Power Co. Ltd.	x	
Korea Southern Power Co., Ltd.	x	
KOREA STEEL Co., Ltd. (South Korea)	x	
Korea Western Power Co., Ltd.	x	
Krasnoyarsk Hydropower Plant JSC	x	
Krypton Industries Ltd.	x	
KSB Limited		x
KSB SE & Co. KGaA		x
Kum Yang Co., Ltd.		x
Kung Long Batteries Industrial Co., Ltd.	x	
Kuwait Cement Co. KPSC	x	
Kuwait Energy Plc	x	
Lafarge Africa PLC	x	
Laive SA	x	
Lake Resources N.L.	x	
Land and Houses Public Company Limited		x
LandMark Optoelectronics Corp.	x	
Larsen & Toubro Limited		x
LEDO plus doo	x	
Lee & Man Chemical Co. Ltd.	x	
Lens Technology Co., Ltd.	x	
LG&E & KU Energy LLC	x	
Li Ning Company Limited	x	x
Liberty Group Limited	x	
LIG Corp.		x
LIG Nex1 Co., Ltd.		x
Lilama 5 JSC	x	
Lilama 69-1 JSC	x	
Lilama Erection Mechanical JSC	x	
Lingyuan Iron & Steel Co., Ltd.	x	
Lion One Metals Limited	x	
Liquefied Natural Gas Limited	x	
Lockheed Martin Corporation		x

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
LogicBio Therapeutics, Inc.	x	
Lohia Securities Ltd.	x	
Loma Negra Compania Industrial Argentina SA	x	
Losinjka Plovidba - Holding dd	x	
Louisville Gas & Electric Co.	x	
LSR Group PJSC	x	x
Lubelski Wegiel BOGDANKA SA	x	
Lucira Health, Inc.	x	
Luks Group (Vietnam Holdings) Co., Ltd.	x	
Luossavaara-Kiirunavaara AB	x	
Luxury Real Estate Investment Fund	x	
Lysaght Galvanized Steel Berhad	x	
M&A Capital Partners Co. Ltd.		x
Magnum Ventures Ltd.	x	
Mahamaya Steel Industries Ltd.	x	
Majapahit Holding BV	x	
Major Cineplex Lifestyle Leasehold Property Fund	x	
Malakoff Corporation Berhad	x	
Malakoff Power Bhd.	x	
Malaysia Steel Works (KL) Bhd.	x	
Manho Rope & Wire Co., Ltd.	x	
Maple Leaf Cement Factory Ltd.	x	
Massmart Holdings Ltd.	x	
Mathios Refractory SA	x	
Mechel PAO		x
Meghna Cement Mills Plc	x	
Meisei Electric Co., Ltd.	x	
Merafe Resources Ltd.	x	
Meritor, Inc.	x	
MESCO, Inc.	x	
Metalloinvest Holding Co. JSC	x	
Metallurgical Corporation of China Ltd.	x	
Metinvest BV	x	
Metropolitan Edison Co.	x	
Miju Steel Mfg. Co., Ltd.	x	
Mississippi Power Co.	x	
Mobile TeleSystems PJSC	x	x
Molitec Steel Co., Ltd.	x	
Morella Corporation Limited	x	
Mosaico Tecnologia ao Consumidor SA	x	
Mosenergo OAO	x	
Mouwasat Medical Services Co.		x
MRF Limited	x	
MTAR Technologies Ltd.		x
Multi Solutions II, Inc.	x	
Mutakamela Insurance Co.	x	
mySafety Group AB		x
Maanshan Iron & Steel Company Limited	x	
NACCO Industries, Inc.	x	
Nahdi Medical Co.		x
Naigai Trans Line Ltd.	x	
Najran Cement Co.	x	
Nakayama Steel Works, Ltd.	x	
Nampak Zimbabwe Ltd.	x	
Nanjing Iron & Steel Co., Ltd.	x	
National Aluminium Co. Ltd.	x	
National Fertilizers Ltd.	x	
National General Industries Ltd.	x	
National Gypsum Co.	x	x
National Steel Industry Co.	x	
Naturgy Chile Gas Natural SA	x	
Nava Limited	x	
Navios Maritime Acquisition Corporation	x	
NCL Industries Ltd.	x	
Nestle Cote d'Ivoire SA	x	
Neturen Co., Ltd.	x	
Nevada Power Co.	x	
New Times Corporation Limited	x	
NexJ Systems Inc.	x	
Nichia Steel Works, Ltd.	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
Nihon Kogyo Co., Ltd.	x	
Ningbo Deye Technology Co., Ltd.		x
Ningxia Building Materials Group Co., Ltd.	x	
Ningxia Zhongke Biotechnology Co., Ltd.	x	
Nippon Chutetsukan KK	x	
Nippon Chuza KK	x	
Nippon Concrete Industries Co., Ltd.	x	
Nippon Kayaku Co., Ltd.	x	
Nippon Koshuha Steel Co., Ltd.	x	
Nishishiba Electric Co., Ltd.	x	
Nissin Electric Co. Ltd.	x	
NLC India Ltd.	x	
Noble Energy, Inc.	x	
Noble Midstream Partners LP	x	
North Hungarian Electricity Supply Plc	x	
Northern Region Cement Co.	x	
Northern States Power Co.	x	
Northern States Power Co. (Wisconsin)	x	
Northwest Pipeline LLC	x	
Norwest Energy Pty Ltd.	x	
Nova Iron & Steel Ltd.	x	
Novolipetsk Steel		x
NTPC Limited	x	
Nuh Cimento Sanayi AS	x	
Nuverra Environmental Solutions, Inc.	x	
Nuvoco Vistas Corp. Ltd.	x	
OCBC Wing Hang Bank Ltd.	x	
Ohio Power Co.	x	
Oishi Group Public Company Limited	x	
Oleo e Gas Participacoes SA	x	
OMV Petrom SA	x	
OPP Liquidating Co., Inc.	x	
Oppein Home Group, Inc.		x
Optare Plc	x	
Optos plc	x	
Ordtech Military Industries		x
Orient Cement Limited	x	
Oriental Petroleum and Minerals Corporation	x	
ORLEN Unipetrol as	x	
Ostasiatiska Kompagni A/S		x
Ozon Holdings Plc	x	x
PA Mining Complex LP	x	
Pacific Drilling SA	x	
Painted Pony Energy Ltd.	x	
Pakistan Ordnance Factories		x
Pakistan Paper Products Ltd.	x	
Pakistan Refinery Ltd.	x	
Palace Capital Plc		x
Panchmahal Steel Ltd.	x	
Panhandle Eastern Pipe Line Co. LP	x	
PBF Logistics LP	x	
Peabody Energy Corporation	x	
Pennar Industries Limited	x	
Pennsylvania Electric Co.	x	
Perceptron, Inc.	x	
Petrolia SE	x	
PETRONAS Gas Berhad	x	
Petrovietnam Power Corp.	x	
PetroVietnam Power Nhon Trach 2 JSC	x	
PGE Polska Grupa Energetyczna SA	x	
PGE Sweden AB	x	
Phillips 66	x	x
PhosAgro PJSC	x	
PIK-specialized homebuilder PJSC		x
Pioneer Cement Ltd.	x	
Pioneer Food Group Ltd.	x	
Pla Matels Corp.	x	
Polenergia SA	x	
Politeknik Metal Sanayi ve Ticaret AS		x
Poongsan Corp.		x
POONGSAN HOLDINGS Corp.		x

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
POSCO INTERNATIONAL Corp.	x	
POSCO STEELEON Co., Ltd.	x	
POSCO-Thainox Public Company Limited	x	
Power Assets Holdings Limited	x	
Power Cement Ltd.	x	
Power Construction Corporation of China, Ltd.	x	
PPC Ltd.	x	
Prakash Industries Limited	x	
Premier Cement Mills Plc	x	
Premier Explosives Ltd.		x
Prinx Chengshan Holdings Limited	x	
Prism Johnson Limited	x	
Protective Insurance Corporation	x	
PSEG Power LLC	x	
PT Astra International Tbk		x
PT Bumi Resources Minerals Tbk	x	
PT Bumi Resources Tbk	x	
PT Dian Swastatika Sentosa Tbk	x	
PT Elnusa Tbk	x	
PT Golden Eagle Energy TBK	x	
PT Golden Energy Mines Tbk	x	
PT Goodyear Indonesia Tbk	x	
PT Indocement Tunggul Prakarsa Tbk	x	
PT Indonesia Asahan Aluminium (Persero)	x	
PT Lion Metal Works Tbk	x	
PT Lionmesh Prima Tbk	x	
PT Media Nusantara Citra Tbk	x	
PT Organon Pharma Indonesia Tbk	x	
PT Perusahaan Listrik Negara (Persero)	x	
PT Semen Baturaja Tbk	x	
PT Semen Indonesia (Persero) Tbk	x	
PT Solusi Bangun Indonesia Tbk	x	
Public Service Company of New Mexico	x	
Public Service Enterprise Group Incorporated	x	
Qatar Electricity & Water Co.	x	
Qatar International Islamic Bank		x
Qatar National Cement Co.	x	
Qatari Investors Group	x	
Qemetica SA	x	
QMC Co., Ltd.	x	
Quang Nam Mineral Industry Corp.	x	
Quickfood SA	x	
Rainbow Tourism Group Ltd.	x	
Raizen Centro-Sulsa SA	x	
Rajasthan Tube Manufacturing Co. Ltd.	x	
Rang Dong Holding JSC	x	
Ranhill Utilities Bhd.	x	
Rank Group Plc	x	
Ras Al Khaimah Co. for White Cement & Construction Materials	x	
Ratch Pathana Energy Public Company Limited	x	
RattanIndia Power Limited	x	
ReadyMix Plc	x	
Red Rock Resorts, Inc.	x	x
Reliance Natural Resources Ltd.	x	
Reliance Power Limited	x	
Renewable Energy Group, Inc.	x	
Reshef Technologies Ltd.		x
Resonac Corp.	x	
RHB Securities (Thailand) Public Co., Ltd.	x	
Risesun Real Estate Development Co., Ltd.		x
Riyadh Cement Co.	x	
Roc Oil Co. Pty Ltd.	x	
Rocket Internet SE		x
Rohit Ferro-Tech Ltd.	x	
Rolling Optics Holding AB		x
Rostec Corp.		x
Rostelecom PJSC	x	x
Royal Boskalis BV	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
Royale Energy, Inc.	x	
S&U plc		x
S.A.L. Steel Ltd.	x	
Sabaf SpA	x	
Sagar Cements Ltd.	x	
Sahaviriya Steel Industries Public Co. Ltd.	x	
Sai Son Cement JSC	x	
SAIC Motor Corp. Ltd.	x	
Saigon Plant Protection JSC	x	
Saigon-Quy Nhon Mining Corp.	x	
SAL Saudi Logistics Services Co.		x
Salzgitter AG	x	
Salzgitter Finance BV	x	
SAMHYUN STEEL Co., Ltd.	x	
Samruk-Energy JSC	x	
Samsung C&T Corp.	x	
Sanan Optoelectronics Co. Ltd.		x
Sandhar Technologies Limited		x
Sangal Papers Ltd.	x	
Sanghi Industries Ltd.	x	
Sanok Rubber Company SA	x	x
Santos Limited	x	
Sanyo Department Store Co., Ltd.	x	
Sanyu Co., Ltd.	x	
Sappi Ltd.	x	
Saras SPA	x	
Sasol Financing International Ltd.	x	
Sasol Financing Ltd.	x	
Sasol Financing USA LLC	x	
Sasol Ltd.	x	
Saudi Arabian Oil Co.	x	
Saudi Electricity Co.	x	
Saudi Electricity Global Sukuk Co.	x	
Saudi Electricity Global Sukuk Co. - 2	x	
Saudi Electricity Global Sukuk Co. - 3	x	
Saudi Electricity Global Sukuk Co. - 5	x	
Saudi Electricity Sukuk Programme Co.	x	
Saudi Industrial Investment Group		x
Saudi Kayan Petrochemical Co.		x
Saurashtra Cement Ltd.	x	
Schneider Electric President Systems Ltd.	x	
Schumag AG	x	
Scott Technology Limited	x	
SDS Biotech KK	x	
SeAH SPECIAL Steel Co., Ltd.	x	
Selan Exploration Technology Ltd.	x	
Semirara Mining & Power Corp.	x	
Senex Energy Limited	x	
Service Industries Ltd.	x	
Shamal Az-Zour Al-Oula Power & Water Co. KSCP	x	
Shandong Iron & Steel Co., Ltd.	x	
Shandong Jinling Mining Co., Ltd.	x	
Shandong Linglong Tyre Co., Ltd.	x	
Shanghai Electric Power Co., Ltd.	x	
Shanjin International Gold Co., Ltd.		x
Shanxi Antai Group Co., Ltd.	x	
Shanxi Coking Coal Energy Group Co., Ltd.	x	x
Shanxi Taigang Stainless Steel Co., Ltd.	x	
Share Ltd.	x	
Sharjah Cement & Industrial Development Co.	x	
Shell Midstream Partners LP	x	
Shenergy Co., Ltd.		x
Shenzhen Energy Group Co., Ltd.	x	
Shenzhen Goodix Technology Co., Ltd.		x
Shenzhen Nanshan Power Co., Ltd.	x	
Shenzhen Overseas Chinese Town Co., Ltd.		x
SHIN HWA DYNAMICS Co., Ltd.	x	
Shinnaigai Textile Ltd.	x	
Shoko Co., Ltd.	x	
Shree Cement Limited	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
Shree Digvijay Cement Co. Ltd.	x	
Shree Krishna Paper Mills & Industries Ltd.	x	
Shreyans Industries Ltd.	x	
Shri Keshav Cements & Infra Ltd.	x	
Shaanxi Energy Investment Co., Ltd.	x	
Siam City Cement Public Company Limited	x	
Siam Steel Service Center Public Co., Ltd.	x	
Sibanye Stillwater Australia Operations Pty Ltd.	x	
Sichuan Road & Bridge Co., Ltd.		x
SideChannel, Inc.	x	
Sidma SA Steel Products	x	
Siemens Gamesa Renewable Energy SA	x	
Sierra Pacific Power Co.	x	
Sieyuan Electric Co., Ltd.		x
Sino-Life Group Limited	x	
Sinosing Services Pte Ltd.	x	
Sinotruk Hong Kong Ltd.	x	x
SKB dd	x	
Slovnaft AS	x	
SMC Investment Trading JSC	x	
Smiles Fidelidade SA	x	
SMN Corp.	x	
SN Nuclearelectrica SA	x	
SNT DYNAMICS Co., Ltd.		x
SNT Holdings Co., Ltd.		x
Societatea Nationala de Gaze Naturale ROMGAZ SA	x	
Societe Multinationale de Bitumes SA	x	
Soda Sanayii AS	x	
Solar Defence & Aerospace Ltd.		x
Solar Industries India Limited		x
Song Da 4 JSC	x	
Sonic Foundry, Inc.	x	
Southern Natural Gas Co. LLC	x	
Southern Province Cement Co.	x	
Southwestern Electric Power Co.	x	
Southwestern Public Service Co.	x	
Sow Good Inc.	x	
Spancrete Corp.	x	
Special Machine Building & Metallurgy PJSC		x
Spindletop Oil & Gas Co.	x	
SSANGYONGC&E Co., Ltd.	x	
St. Marys Cement Inc. (Canada)	x	
Star Cement Limited	x	
Starcore International Mines Ltd.	x	
State-Owned Foreign Trade Unitary Enterprise Belpetsvneshtech		x
Steel & Tube Holdings Limited	x	
Steel Authority of India Limited	x	
Steelcast Ltd.	x	
Storm Resources Ltd.	x	
Straits Energy Resources Berhad	x	
Suez Cement Co.	x	
Sumitomo Osaka Cement Co., Ltd.	x	
Sumitomo Precision Products Co., Ltd.	x	
Summit Power Ltd.	x	
Sumo Group Ltd.	x	
SunCoke Energy Partners Finance Corp.	x	
SunCoke Energy Partners, L.P.	x	
SunCoke Energy, Inc.	x	
Sunflag Iron & Steel Co. Ltd.	x	
SUNSHIN CEMENT Co., Ltd.	x	
SunPower Corporation	x	
Sunpower Group Ltd.	x	
Surgutneftegas PJSC	x	
Surya Roshni Limited	x	
Swaraj Engines Ltd.	x	
Syncro Group AB	x	
Synthetic Moulders Ltd.		x
System Energy Resources, Inc.	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
Tabuk Cement Co.	x	
Taiga Gold Corp.	x	
Taiheiyo Cement Corp.	x	
Takahashi Curtain Wall Corp.	x	
Takamisawa Co., Ltd.	x	
Takasago Tekko KK	x	
Takisawa Machine Tool Co., Ltd.	x	
Talen Energy Corporation	x	x
TAM SA	x	
Tamil Nadu Newsprint & Papers Ltd.	x	
Tamilnadu Steel Tubes Ltd.	x	
Tangshan Jidong Cement Co. Ltd.	x	
Tanjung Bin Energy Issuer Bhd.	x	
Tanjung Bin Energy Sdn. Bhd.	x	
TAQA Morocco SA	x	
Tata Steel (Thailand) Public Company Limited	x	
Tata Steel BSL Limited	x	
Tatneft PJSC	x	x
TBEA Co., Ltd.	x	
TC PipeLines, LP	x	
TCC Group Holdings CO., LTD.	x	
TCC International Holdings Ltd.	x	
Technical Communications Corporation	x	
TECHNO ASSOCIE Co., Ltd.	x	
TerraCom Limited	x	
Tesson Holdings Ltd.	x	
Texhong International Group Limited	x	
Thai Agro Energy Public Co., Ltd.	x	
Thai Energy Storage Technology Public Co. Ltd.	x	
The Andhra Sugars Ltd.	x	
The Day & Zimmermann Group, Inc.		x
The Dayton Power & Light Co.	x	
The GEO Group, Inc.	x	
The India Cements Limited	x	
The Orissa Minerals Development Company Limited	x	
The Philodrill Corp.	x	
The Phoenix Advanced Investments Ltd	x	
The Power & Water Utility Co. for Jubail & Yanbu	x	
The Ramco Cements Limited	x	
The Saudi Investment Bank		x
The Second Generation Co. of the Wholesale Power Market PJSC	x	
The Tata Power Company Limited	x	
The Toledo Edison Co.	x	
Third Bench, Inc.	x	
ThyssenKrupp AG	x	
ThyssenKrupp Finance Nederland BV	x	
Tianshan Material Co., Ltd.	x	
Tien Trung Investment Construction and Technology Joint Stock Company	x	
Titan Cement Co. SA	x	
Titan Cement International SA	x	
Titan Global Finance Plc	x	
Toa Oil Co., Ltd.	x	
Tohoku Steel Co., Ltd.	x	
Token Corp.		x
Tokuyama Corp.	x	
Tokyo Cement Company (Lanka) PLC	x	
Tongling Nonferrous Metals Group Co., Ltd.	x	
TONGYANG, Inc.	x	
Top Kinisis Travel Public Ltd.	x	
Torunlar Gayrimenkul Yatirim Ortakligi AS		x
TotalEnergies EP Gabon SA	x	
Toyo Asano Foundation Co., Ltd.	x	
TPI Polene Public Co. Ltd.	x	
Tplex Co., Ltd.	x	
Traction AB		x
Transcontinental Gas Pipe Line Co. LLC	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
Trinidad Cement Ltd.	x	
Trinity Exploration & Production Plc	x	
Tronic's Microsystems SA	x	
Tulsyan NEC Ltd.	x	
Turcas Petrol AS	x	
Turk Prysmian Kablo ve Sistemleri A.S.	x	
Turnall Holdings Ltd.	x	
TVS Srichakra Limited	x	
Twin Vee Powercats, Inc.	x	
Tycoons Worldwide Group (Thailand) Public Co., Ltd.	x	
Udaipur Cement Works Ltd.	x	
Ultratech Cement Ltd.	x	
Umm Al-Qaiwain General Investments Co. PSC	x	
Umm Al-Qura Cement Co.	x	
Unicorn Capital Partners Ltd.	x	
Union Corp. (Korea)	x	
Unipro PJSC	x	
United Energy Group Limited	x	
Universal Coal Plc	x	
Unye Cimento Sanayi ve Ticaret AS	x	
Urbana Property Fund (Lease hold)	x	
URO Property Holdings SA	x	
USA Truck, Inc.	x	
USD Partners LP	x	
Utoc Corp.	x	
Vamshi Rubber Ltd.	x	
Vanti SA ESP	x	
Vardhman Special Steels Ltd.	x	
Varteks dd	x	
Vassiliko Cement Works Public Co. Ltd.	x	
Vaulted Gold Bullion Trust	x	
Vedanta Resources Finance II Plc	x	
Vedanta Resources Jersey Ltd.	x	
Vedanta Resources Ltd.	x	
VIA optronics AG	x	
Vianini Lavori SPA	x	
Vicat SA	x	
VICEM But Son Cement JSC	x	
Vicem Gypsum & Cement JSC	x	
Vicem Ha Tien Cement JSC	x	
Vidler Water Resources, Inc.	x	
Vietnam Germany Steel Pipe JSC	x	
Vietnam National Petroleum Corp.	x	
Village Super Market, Inc.		x
Vinacomin - HaLam Coal JSC	x	
Vinaship JSC	x	
Virgin Galactic Holdings, Inc.	x	
Vistra Corp.	x	
Vistra Operations Co. LLC	x	
Vnsteel - Vicasa JSC	x	
Volgogradenergosbyt OAO		x
Votorantim Cimentos SA	x	
Vueling Airlines SA	x	
Vulcan Energy Resources Ltd.	x	
Walchandnagar Industries Ltd.		x
Welcast Steels Ltd.	x	
West China Cement Limited	x	
Western Areas Ltd.	x	
White Group Public Company Limited	x	
Willdale Ltd.	x	
Wintek Corp.	x	
Wintime Energy Group Co., Ltd.	x	
Wisconsin Electric Power Company	x	
Wisconsin Power & Light Co.	x	
Wisconsin Public Service Corp.	x	
Wockhardt Bio AG	x	
Wolfspeed, Inc.	x	
Wonil Special Steel Co., Ltd.	x	
Wuhan Iron & Steel Co., Ltd.	x	
Wyeth Pakistan Ltd.	x	

PAI Exclusions Company	Climate and other environment-related indicators	Indicators for social or employee, respect for human rights, anti-corruption, and anti-bribery matters
Xingda International Holdings Limited	x	
Xinyu Iron & Steel Co., Ltd.	x	
Xiawang Property Holdings Company Limited	x	
Yachiyo Industry Co., Ltd.	x	
Yakutsk Fuel & Energy Co. PJSC	x	
Yamaha Motor Robotics Holdings Co., Ltd.	x	
Yamamah Saudi Cement Co.	x	
YAMAU HOLDINGS CO., LTD.	x	
Yamax Corp.	x	
Yanbu Cement Co.	x	
Yangzijiang Shipbuilding (Holdings) Ltd.	x	
Yankuang Energy Group Co., Ltd.	x	
Yashima Denki Co., Ltd.	x	
Yashraj Containeurs Ltd.	x	
Yonkyu Co., Ltd.		x
Yoshicon Co., Ltd.	x	
Yunnan Baiyao Group Co., Ltd.	x	
ZEAG Energie AG	x	
Zen Technologies Ltd.		x
Zenith Steel Pipes & Industries Ltd.	x	
Zhejiang Kangsheng Co., Ltd.	x	
Zhejiang Longsheng Group Co., Ltd.		x
Zhejiang Zheneng Electric Power Co., Ltd.	x	x
Zhengzhou Coal Industry & Electric Power Co., Ltd.	x	
Zhongjin Gold Corp. Ltd.	x	
Total Excluded Companies	889	163